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<td>CI-CF-ESJ-01</td>
<td>STACK JOINT W/EXTRUSION</td>
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<td>PARAPET (SUPPORTED) W/EXTRUSION</td>
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<td>CI-CF-EL-B</td>
<td>TRIM END LAP—BASE</td>
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<td>TRIM END LAP—CORNER</td>
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<td>CI-CF-EL-H</td>
<td>TRIM END LAP—TWO PIECE HEAD</td>
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<td>TRIM END LAP—TWO PIECE JAMB</td>
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<td>TRIM END LAP—STACK JOINT</td>
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<td>CI-CF-FP 1-2</td>
<td>FASTENING PATTERNS 1–2</td>
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<td>FASTENING PATTERNS 3–4</td>
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<td>PIPE PENETRATION — FIELD OF PANEL</td>
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<td>CI-CF-PEN-2</td>
<td>PIPE PENETRATION — NOTCHED PANEL</td>
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<td>PIPE PENETRATION — WEATHER SEALS AT JOINT</td>
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<td>BEAM PENETRATION — FLASHING</td>
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DISCLAIMER:

These details are based on industry accepted practices and provide a guideline for proper insulated metal panel and component installation.

The location of vapor barriers and associated sealants shown in these details is based on standard design practices for commercial industrial applications for most U.S. and Canadian climatic zones. The default vapor barrier location is on the warm side in winter (the interior side of the panels).

For projects located in extremely cold climates, exposed to high wind-driven rain or unusual interior conditions (sustained temperatures below 65°F), it may be advisable to modify the vapor barrier (joint sealant) location, or to add optional exterior joint sealants.

*It is the sole responsibility of the project architect to verify vapor barrier location, insulation required by code and HVAC equipment/ventilation requirements to allow proper air flow and the prevention of condensation.*

*It is also the sole responsibility of the project architect to determine project-specific design loads. Metl-Span Technical Services is available to verify allowable panel spans and fastening requirements when provided with this information.*

*The details contained herein show side joint fastening only. Please contact Metl-Span technical services for project-specific fastening requirements.*

*All structural supports are shown for clarity only, and are not provided by Metl-Span.*
Butyl caulk: For commercial/industrial projects the caulk is usually applied to the interior joint female pocket (see DISCLAIMER). Butyl caulk is also used to create "marriage beads" which tie the panel sidejoint vapor seals to panel endjoint vapor seals. Butyl caulk is considered "non-skinning", which means it stays soft, flexible, and does not harden. Butyl caulk is for unexposed areas only, and cannot be used where it will be exposed to weather or sunlight.

Butyl sealant tape: Applied between flashings and panels to form a weathertight seal. All fasteners penetrating the flashing must be inserted through the sealant tape.

Urethane caulk: Used in lieu of butyl sealant where there is exposure to the elements. It is recommended for lapped trims, exposed perimeter seals at framed openings or to seal between different construction materials, such as metal to concrete.

Panel fasteners: Insulated metal panel fasteners are generally either self-drilling/self-tapping (also known as TEK screws), or self-tapping (also known as B point screws).

TEK Fasteners contain a built-in drill point, and do not require pre-drilling. They are the quickest and easiest way to attach panels to light-medium gauge supports.

B Point fasteners require a two-step operation: First holes are pre-drilled into the panel and structural support with an appropriate sized bit, then the fastener is inserted into the hole and tightened. B points are typically used to attach panels to medium-heavy gauge supports that are not penetrable by TEK fasteners. It is important that the pre-drilled holes are sized correctly for the fasteners to achieve proper pullout values.

Bulb-Tite® Rivets: Are similar to expansion fasteners, and are used where back fastening of the panels to structural supports is required. Holes must be pre-drilled with a 5/16" diameter. The grip range of the rivets must be matched to the thickness of the structural support to ensure proper fastening.
14 GA. PANEL CLIP W/ 1/4" HWH FASTENERS @ EACH WALL SUPPORT

INTERIOR
EXTERIOR

WALL SUPPORT

CLIP AND FASTENER ASSEMBLY

INTERIOR
EXTERIOR

WALL SUPPORT

JOINT SEALANT

OPTIONAL JOINT SEALANT

SEE DETAIL "A"

JOINT SEALANT APPLICATION

NON-SKINNING BUTYL SEALANT
1/4" UNIFORM BEAD MIN.
@ LOCATION SPECIFIED

OPTIONAL JOINT SEALANT

DETAIL A

INTERIOR
EXTERIOR

WALL SUPPORT

1/8" MAX @ JOINT

CF PANEL JOINT DETAILS

COMMERCIAL & INDUSTRIAL

DATE: 12-16-2015

CI-CF-JT-03
EXTERIOR SURFACE

14 GA. CLIP

1/4" HWH FASTENERS

WALL SUPPORT (14GA. MINIMUM)

WALL SUPPORT

INTERIOR SURFACE

COMMERCIAL & INDUSTRIAL

ATTACHMENT – SIDEJOINT – PRE-ENGINEERED SUPPORT

CI–CF–FSTN–01A

DATE: 12–16–2015
* INSTALL THROUGH GIRT CLIPS INTO MESA WHERE THE SKIN MAKES CONTACT WITH THE STEEL

14 GA. CLIP
1/4" HWH FASTENERS

BULB-TITE® RIVET
GIRT CLIP

STRUCTURAL STEEL

COMMERCIAL & INDUSTRIAL
ATTACHMENT - BACK FASTENED W/ GIRT CLIPS
CI-CF-FSTN-01C
DATE: 01-14-2016
DOME HEAD BULB-TITE® RIVETS

* INSTALL THROUGH GIRT FLANGE INTO MESA WHERE THE SKIN MAKES CONTACT WITH STEEL

INTERIOR SIDE

14 GA. CLIP

1/4" HWH FASTENERS

BULB-TITE® RIVET

WALL SUPPORT

WALL SUPPORT

BULB-TITE® RIVET

14 GA. CLIP W/FASTENERS

COMMERCIAL & INDUSTRIAL

ATTACHMENT - BACK FASTENED W/ RIVETS

CI-CF-FSTN-01D

DATE: 01-14-2016
FASTENING PATTERN 1
SIDE JOINT FASTENING

DIMENSION IS FROM
FEMALE EDGE +/- 1.5".

10.5"

FASTENING PATTERN 2
SIDE JOINT FASTENING
AND ONE DOME HEAD
BULB–TITE® RIVET

INSTALL RIVET THROUGH GIRT FLANGE
INTO MESA WHERE THE SKIN MAKES
CONTACT WITH THE STEEL

(CONSULT FACTORY FOR FASTENER REQUIREMENTS NEEDED TO MEET SPECIFIC LOAD REQUIREMENTS)
FASTENING PATTERN 3
SIDE JOINT FASTENING
AND TWO DOME HEAD
BULB-TITE® RIVETS

INSTALL RIVET THROUGH GIRL FLANGE
INTO MESA WHERE THE SKIN MAKES
CONTACT WITH THE STEEL

DIMENSION IS FROM
FEMALE EDGE +/- 1.5"

FASTENING PATTERN 4
SIDE JOINT FASTENING
WITH THREE DOME HEAD
BULB-TITE® RIVETS

INSTALL RIVET THROUGH GIRL FLANGE
INTO MESA WHERE THE SKIN MAKES
CONTACT WITH THE STEEL

DIMENSION IS FROM
FEMALE EDGE +/- 1.5"

CONSULT FACTORY FOR FASTENER REQUIREMENTS NEEDED TO MEET SPECIFIC LOAD REQUIREMENTS)
FASTENING PATTERN 5
SIDE JOINT FASTENING
AND BACK FASTENING WITH
FOUR DOME HEAD BULB-TITE® RIVETS
INSTALL RIVET THROUGH GIRT FLANGE
INTO MESA WHERE THE SKIN MAKES
CONTACT WITH THE STEEL

DIMENSION IS FROM
FEMALE EDGE +/- 1.5"

5.25" 10.5" 10.5" 10.5" 5.25"

(FP5)

FASTENING PATTERN 6
SIDE JOINT FASTENING
AND ONE GIRT CLIP WITH TWO DOME HEAD
BULB-TITE® RIVETS
INSTALL RIVET THROUGH GIRT FLANGE
INTO MESA WHERE THE SKIN MAKES
CONTACT WITH THE STEEL

DIMENSION IS FROM
FEMALE EDGE +/- 1.5"

10.5"

(FP6)

(CONSULT FACTORY FOR FASTENER REQUIREMENTS NEEDED TO MEET SPECIFIC LOAD REQUIREMENTS)
DIMENSION IS FROM FEMALE EDGE +/- 1.5"

***FASTENING PATTERN 7***
SIDE JOINT FASTENING
AND TWO GIRT CLIPS WITH FOUR DOME HEAD BULB–TITE® RIVETS

INSTALL RIVET THROUGH GIRT FLANGE INTO MESA WHERE THE SKIN MAKES CONTACT WITH THE STEEL

DIMENSION IS FROM FEMALE EDGE +/- 1.5"

***FASTENING PATTERN 8***
SIDE JOINT FASTENING
WITH THREE GIRT CLIPS WITH SIX DOME HEAD BULB–TITE® RIVETS

INSTALL RIVET THROUGH GIRT FLANGE INTO MESA WHERE THE SKIN MAKES CONTACT WITH THE STEEL

(CONSULT FACTORY FOR FASTENER REQUIREMENTS NEEDED TO MEET SPECIFIC LOAD REQUIREMENTS)
FASTENING PATTERN 9
WITH FOUR SELF-TAPPING
SCREWS WITH MIN. 20 GA.
NEOPRENE BONDED WASHER

CONSULT FACTORY FOR FASTENER REQUIREMENTS NEEDED TO MEET SPECIFIC LOAD REQUIREMENTS.

COMMERCIAL & INDUSTRIAL FASTENING PATTERNS
CI–CF–FP 9–10
DATE: 12–16–2015
# Continuous Base Attachment

**Base Flashing**
- [7100BWH]
- [HW540]

**Butyl Sealant**
- [7100BWH]

**Urethane Sealant**
- [7100BWH]

**Alternate Placement of Sealant**

**Refer to Sheet “CI-CF-INFO” for Additional Information Regarding the Application of Sealants, Fasteners, and Closure Materials.**

**Consult METL-SPAN to Determine Allowable Load and Spacing of Attachment Fasteners.**

## Table: Base Flashing and Fastener Compatibility

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<thead>
<tr>
<th>T</th>
<th>Base Flashing</th>
<th>Type 3 Clip Fastener</th>
<th>Type 5 Clip Fastener</th>
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**Commercial & Industrial**

**BASE – OVERHANG W/ NOTCHED SLAB**

**DATE: 12-16-2015**
CONTINUOUS BASE ATTACHMENT (NOT BY PANEL MANUFACTURER)

BUYTL SEALANT [7100BWH]

#12 PANCAKE STITCH FASTENER [12A]

BASE ATTACHMENT SET IN CONTINUOUS BEAD OF URETHANE SEALANT [HW540]

CONTINUOUS BUTYL SEALANT WITH MARRIAGE BEAD TO VERTICAL PANEL JOINT SEALANT [7100BWH]

REFER TO SHEET "CI-CF-INFO" FOR ADDITIONAL INFORMATION REGARDING THE APPLICATION OF SEALANTS, FASTENERS, AND CLOSURE MATERIALS.

CONSULT METL-SPAN TO DETERMINE ALLOWABLE LOAD AND SPACING OF ATTACHMENT FASTENERS.

<table>
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<tr>
<th>T</th>
<th>BASE FLASHING</th>
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COMMERCIAL & INDUSTRIAL

BASE – OVERHANG W/ NOTCHED SLAB – ALT.

CI-CF-8E-04

DATE: 3-17-2016
CONTINUOUS BASE ATTACHMENT (NOT BY PANEL MANUFACTURER)

BUTYL SEALANT [7100BWH]

#12 PANCAKE STITCH FASTENER [12A]

FINISH FLOOR

CONC. FASTENERS (NOT BY PANEL MANUFACTURER)

BASE ATTACHMENT SET IN CONTINUOUS BEAD OF URETHANE SEALANT [HW540]

CONTINUOUS BUTYL SEALANT WITH MARRIAGE BEAD TO VERTICAL PANEL JOINT SEALANT [7100BWH]

ALTERNATE PLACEMENT OF SEALANT

REFER TO SHEET "CI-CF-INFO" FOR ADDITIONAL INFORMATION REGARDING THE APPLICATION OF SEALANTS, FASTENERS, AND CLOSURE MATERIALS. CONSULT METL-SPAN TO DETERMINE ALLOWABLE LOAD AND SPACING OF ATTACHMENT FASTENERS.

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COMMERCIAL & INDUSTRIAL BASE – OVERHANG W/ DRIP TRIM

DATE: 12-16-2015
CONTINUOUS BASE ATTACHMENT
(NOT BY PANEL MANUFACTURER)

BUTYL SEALANT
[7100BWH]

#12 PANCake STITCH FASTENER
[12A]

FINISH FLOOR

CONC. FASTENERS
(NOT BY PANEL MANUFACTURER)

BASE ATTACHMENT
SET IN CONTINUOUS
BEAD OF URETHANE SEALANT
[HW540]

CONTINUOUS BUTYL SEALANT
WITH MARRIAGE BEAD TO
VERTICAL PANEL JOINT SEALANT
[7100BWH]

PANEL SUPPORT ANGLE
(NOT BY PANEL MANUFACTURER)

ALTERNATE PLACEMENT OF SEALANT

REFER TO SHEET "CI-CF-INFO" FOR ADDITIONAL INFORMATION REGARDING THE
APPLICATION OF SEALANTS, FASTENERS, AND CLOSURE MATERIALS.
CONSULT METL-SPAN TO DETERMINE ALLOWABLE LOAD AND SPACING OF ATTACHMENT FASTENERS.

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COMMERCIAL & INDUSTRIAL

BASE – OVERHANG
W/ EDGE TRIM

DATE: 01-14-2016
REFER TO SHEET "CI-CF-INFO" FOR ADDITIONAL INFORMATION REGARDING THE APPLICATION OF SEALANTS, FASTENERS, AND CLOSURE MATERIALS. CONSULT METL-SPAN TO DETERMINE ALLOWABLE LOAD AND SPACING OF ATTACHMENT FASTENERS.

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COMMERCIAL & INDUSTRIAL

BASE - OVERHANG W/ BASE SUPPORT

CI-CF-BE-08
DATE: 2-25-2016
FIELD NOTCH HEM(S) AS REQUIRED

NOTE: POP RIVET OR STITCH SCREW AS NECESSARY

(2) BEADS URETHANE SEALANT

COMMERCIAL & INDUSTRIAL
TRIM END LAP – BASE
CI-CF-EL-B
DATE: 12-16-2015
Refer to Sheet "CI-CF-INFO" for additional information regarding the application of sealants, fasteners, and closure materials. Consult METL-SPAN to determine allowable load and spacing of attachment fasteners.

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Commercial & Industrial: Base - Overhang W/ Notched Slab, Extrusion

CI-CF-EB-01
Date: 12-16-2015
Continuos Base Attachment (not by panel manufacturer)

Butyl Sealant [7100BWH]

#12 Pancake Stitch Fastener [12A]

Finish Floor

Concrete Fasteners (not by panel manufacturer)

Base Attachment Set in Continuous Bead of Urethane Sealant [HW540]

Continuous Butyl Sealant with Marriage Bead to Vertical Panel Joint Sealant [7100BWH]

Refer to Sheet "CI-CF-INFO" for additional information regarding the application of sealants, fasteners, and closure materials.

Consult Metl-Span to determine allowable load and spacing of attachment fasteners.

<table>
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Commercial & Industrial Base – Overhang W/ Extrusion

CI-CF-EB-02

Date: 12-16-2015
REFER TO SHEET "CI-CF-INFO" FOR ADDITIONAL INFORMATION REGARDING THE APPLICATION OF SEALANTS, FASTENERS, AND CLOSURE MATERIALS. CONSULT METL-SPAN TO DETERMINE ALLOWABLE LOAD AND SPACING OF ATTACHMENT FASTENERS.

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COMMERCIAL & INDUSTRIAL OUTSIDE CORNER W/ FLUSH TRIM CI-CF-CE-01 DATE: 12-16-2015
REFER TO SHEET “CI-CF-INFO” FOR ADDITIONAL INFORMATION REGARDING THE APPLICATION OF SEALANTS, FASTENERS, AND CLOSURE MATERIALS. CONSULT METL-SPAN TO DETERMINE ALLOWABLE LOAD AND SPACING OF ATTACHMENT FASTENERS.

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COMMERCIAL & INDUSTRIAL INSIDE CORNER W/ FLUSH TRIM

DATE: 12-16-2015
NOTE: POP RIVET OR STITCH SCREW AS NECESSARY
REFER TO SHEET *CI-CF-INFO* FOR ADDITIONAL INFORMATION REGARDING THE APPLICATION OF SEALANTS, FASTENERS, AND CLOSURE MATERIALS. CONSULT METL-SPAN TO DETERMINE ALLOWABLE LOAD AND SPACING OF ATTACHMENT FASTENERS.

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COMMERCIAL & INDUSTRIAL OUTSIDE CORNER W/ TWO PIECE EXTRUSION

DATE: 12-16-2015
MALE CORNER EXTRUSION [SEE CHART]

SUPPORTS

#12 PANCAKE STITCH FASTENER @ EACH SUPPORT [12A]

BUTYL SEALANT [7100BWH]

FEMALE CORNER EXTRUSION [SEE CHART]

1/4" PANCAKE FASTENER @ EACH SUPPORT [SEE CHART]

WIPER GASKET [7600GVR]

BUTYL SEALANT [7100BWH]

REFER TO SHEET "CI-CF-INFO" FOR ADDITIONAL INFORMATION REGARDING THE APPLICATION OF SEALANTS, FASTENERS, AND CLOSURE MATERIALS.

CONSULT METL-SPAN TO DETERMINE ALLOWABLE LOAD AND SPACING OF ATTACHMENT FASTENERS.

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COMMERCIAL & INDUSTRIAL

INSIDE CORNER W/ TWO PIECE EXTRUSION

CI-CF-EC-02

DATE: 12-16-2015
REFER TO SHEET "CI-CF-INFO" FOR ADDITIONAL INFORMATION REGARDING THE APPLICATION OF SEALANTS, FASTENERS, AND CLOSURE MATERIALS. CONSULT METL-SPAN TO DETERMINE ALLOWABLE LOAD AND SPACING OF ATTACHMENT FASTENERS.

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COMMERCIAL & INDUSTRIAL HEAD W/ TWO PIECE TRIM

DATE: 01-14-2016
REFER TO SHEET "CI-CF-INFO" FOR ADDITIONAL INFORMATION REGARDING THE APPLICATION OF SEALANTS, FASTENERS, AND CLOSURE MATERIALS.
CONSULT METL-SPAN TO DETERMINE ALLOWABLE LOAD AND SPACING OF ATTACHMENT FASTENERS.

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COMMERCIAL & INDUSTRIAL O.H. DOOR HEAD W/ TWO PIECE TRIM

DATE: 01-14-2016
(2) BEADS URETHANE SEALANT

FIELD NOTCH HEM(S) AS REQUIRED

NOTE: POP RIVET OR STITCH SCREW AS NECESSARY

COMMERCIAL & INDUSTRIAL
TRIM END LAP – TWO PIECE HEAD

CI-CF-EL-H
DATE: 12-16-2015
REFER TO SHEET "CI-CF-INFO" FOR ADDITIONAL INFORMATION REGARDING THE APPLICATION OF SEALANTS, FASTENERS, AND CLOSURE MATERIALS.

CONSULT METL-SPAN TO DETERMINE ALLOWABLE LOAD AND SPACING OF ATTACHMENT FASTENERS.

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COMMERCIAL & INDUSTRIAL HEAD W/ TWO PIECE EXTRUSION

DATE: 12-16-2015

CI-CF-EH-01
REFER TO SHEET "CI-CF-INFO" FOR ADDITIONAL INFORMATION REGARDING THE APPLICATION OF SEALANTS, FASTENERS, AND CLOSURE MATERIALS. CONSULT METL-SPAN TO DETERMINE ALLOWABLE LOAD AND SPACING OF ATTACHMENT FASTENERS.

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COMMERCIAL & INDUSTRIAL O.H. DOOR HEAD W/ TWO PIECE EXTRUSION

CI-CF-EH-02
DATE: 12-16-2015
1/4" PANCAKE FASTENER (NOT TO EXCEED 5'-0" O.C.) [SEE CHART]

BUTYL SEALANT [7100BWH]

INTERIOR JAMB TRIM [SEE CHART]

BUTYL SEALANT [7100BWH]

BUTYL TAPE [7300BGR]

1/8" POP RIVETS @ 8" O.C. [14]

EXTERIOR JAMB TRIM [F27]

SUPPORT

WINDOW/LOUVER/DOOR/FRAMING (NOT BY PANEL MANUFACTURER)

PERIMETER SEALANT (NOT BY PANEL MANUFACTURER)

URETHANE SEALANT [HW540]

1/8" POP RIVET 8" O.C. [14]

URETHANE SEALANT [HW540]

REFER TO SHEET "CI-CF-INFO" FOR ADDITIONAL INFORMATION REGARDING THE APPLICATION OF SEALANTS, FASTENERS, AND CLOSURE MATERIALS. 
CONSULT METL-SPAN TO DETERMINE ALLOWABLE LOAD AND SPACING OF ATTACHMENT FASTENERS.

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COMMERCIAL & INDUSTRIAL JAMB W/ TWO PIECE TRIM

DATE: 01-14-2016
REFER TO SHEET "CI-CF-INFO" FOR ADDITIONAL INFORMATION REGARDING THE APPLICATION OF SEALANTS, FASTENERS, AND CLOSURE MATERIALS. CONSULT METL-SPAN TO DETERMINE ALLOWABLE LOAD AND SPACING OF ATTACHMENT FASTENERS.

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COMMERCIAL & INDUSTRIAL: JAMB W/ DEEP TRIM

CI-CF-JB-02
DATE: 01-14-2016
FIELD NOTCH HEM(S)
AS REQUIRED

NOTE: POP RIVET OR STITCH
SCREW AS NECESSARY

(2) BEADS
URETHANE SEALANT

TRIM LAP

TRIM LAP

2"

COMMERCIAL & INDUSTRIAL
TRIM END LAP – TWO PIECE JAMB
CI–CF–EL–J
DATE: 12–16–2015
REFER TO SHEET "CI-CF-INFO" FOR ADDITIONAL INFORMATION REGARDING THE APPLICATION OF SEALANTS, FASTENERS, AND CLOSURE MATERIALS. CONSULT METL-SPAN TO DETERMINE ALLOWABLE LOAD AND SPACING OF ATTACHMENT FASTENERS.

<table>
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COMMERCIAL & INDUSTRIAL JAMB W/ EXTRUSION

DATE: 12-16-2015
SUPPORT

1/4" PANCAKE FASTENER
(NOT TO EXCEED 5'-0" O.C.)
[SEE CHART]

BUTYL SEALANT
[7100BWH]

INTERIOR JAMB TRIM
[SEE CHART]

BUTYL SEALANT
[7100BWH]

1/8" POP RIVETS
@ 8" O.C.
[14]

URETHANE SEALANT
[HW540]

BUTYL TAPE
[7100BWH]

1/8" POP RIVET
@ 8" O.C.
[14]

URETHANE SEALANT
[HW540]

EXTERIOR JAMB TRIM
[F27]

JAMB WRAP TRIM
(OPTIONAL)

REFER TO SHEET "CI-CF-INFO" FOR ADDITIONAL INFORMATION REGARDING THE
APPLICATION OF SEALANTS, FASTENERS, AND CLOSURE MATERIALS.
CONSULT METL-SPAN TO DETERMINE ALLOWABLE LOAD AND SPACING OF ATTACHMENT FASTENERS.

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COMMERCIAL & INDUSTRIAL | O.H. DOOR JAMB W/ TWO PIECE TRIM | DATE: 01-14-2016
**Refer to sheet "CI-CF-INFO" for additional information regarding the application of sealants, fasteners, and closure materials. Consult METL-SPAN to determine allowable load and spacing of attachment fasteners.**

<table>
<thead>
<tr>
<th>T</th>
<th>FEMALE JAMB EXTRUSION</th>
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**Commercial & Industrial**

**O.H. Door Jamb W/ Extrusion**

**DATE: 12-16-2015**
#12 PANCAKE STITCH SCREW @ 12" O.C.

PERIMETER SEALANT (NOT BY PANEL MANUFACTURER)

SILL TRIM [SEE CHART]

1/8" Φ RIVETS @ 8" O.C. [14]

FLASHING SEALANT TAPE [74056WH]

FLUTE PLUG STRIP (1) PER PANEL (IF REQUIRED) SET IN URETHANE SEALANT [7607UGR]

CONTINUOUS BUTYL SEALANT WITH MARRIAGE BEAD TO VERTICAL PANEL JOINT SEALANT [71006WH]

1/4" HWH CLIP FASTENERS [SEE CHART]

14 GA, PANEL CLIP [4633GNC]

REFER TO SHEET "CI-CF-INFO" FOR ADDITIONAL INFORMATION REGARDING THE APPLICATION OF SEALANTS, FASTENERS, AND CLOSURE MATERIALS. CONSULT METL-SPAN TO DETERMINE ALLOWABLE LOAD AND SPACING OF ATTACHMENT FASTENERS.

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COMMERCIAL & INDUSTRIAL

SILL DETAIL W/ FLAT TRIM

CI-CF-SL-01

DATE: 12-16-2015
NOTE: POP RIVET OR STITCH SCREW AS NECESSARY

FIELD NOTCH HEM(S) AS REQUIRED

(2) BEADS URETHANE SEALANT

COMMERCIAL & INDUSTRIAL
TRIM END LAP – SILL
CI–CF–EL–S
DATE: 12–16–2015
#12 PANCAKE STITCH SCREW @ 12" O.C.

PERIMETER SEALANT (NOT BY PANEL MANUFACTURER)

SILL EXTRUSION [SEE CHART]

BUTYL SEALANT [7100BWH]

WIPER GASKET [7800VGR]

FLUTE PLUG STRIP (1) PER PANEL (IF REQUIRED) SET IN URETHANE SEALANT [7507UGR]

CONTINUOUS BUTYL SEALANT WITH MARRIAGE BEAD TO VERTICAL PANEL JOINT SEALANT [7100BWH]

1/4" HWH CLIP FASTENERS [SEE CHART]

14 GA. PANEL CLIP [4633GNC]

WINDOW/LOUVER/DOOR/FRAMING (NOT BY PANEL MANUFACTURER)

SUPPORT

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COMMERCIAL & INDUSTRIAL SILL DETAIL W/ EXTRUSION

DATE: 12-16-2015

REFER TO SHEET "CI-CF-INFO" FOR ADDITIONAL INFORMATION REGARDING THE APPLICATION OF SEALANTS, FASTENERS, AND CLOSURE MATERIALS. CONSULT METL-SPAN TO DETERMINE ALLOWABLE LOAD AND SPACING OF ATTACHMENT FASTENERS.
TRIM INSTALLATION SEQUENCE:

1. INTERIOR JAMB TRIMS
2. INTERIOR HEAD TRIM WITH TABS BENT DOWN (NOTCHED)
3. SILL TRIM WITH TABS BENT UP (NOTCHED)
4. EXTERIOR JAMB TRIM
5. EXTERIOR HEAD TRIM

EXPOSED SEALANT (NOT BY PANEL PANEL MANUFACTURER)
FIELD CUT/NOTCH CAP TRIM AT CORNERS TO ALLOW FOR LAP
FIELD CUT/NOTCH CAP TRIM AT CORNERS TO ALLOW FOR LAP

BUTYL SEALANT
URETHANE SEALANT
URETHANE END DAM

METLSPAN® A Division of NCI Group, Inc.

COMMERCIAL & INDUSTRIAL
TRIM LAPS AT FRAMED OPENING

CI-CF-T-01
DATE: 12-16-2015
EXTRUSION INSTALLATION SEQUENCE:

1. INTERIOR JAMB EXTRUSIONS
2. INTERIOR HEAD EXTRUSION (NOTCHED)
3. SILL EXTRUSION (NOTCHED)
4. EXTERIOR HEAD EXTRUSION (NOTCHED)
5. EXTERIOR JAMB EXTRUSIONS

DATE: 12-16-2015
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COMMERCIAL & INDUSTRIAL STACK JOINT W/ TRIM

CI–CF–SJ–01
DATE: 12–16–2015

REFER TO SHEET "CI–CF–INFO" FOR ADDITIONAL INFORMATION REGARDING THE APPLICATION OF SEALANTS, FASTENERS, AND CLOSURE MATERIALS. CONSULT METL–SPAN TO DETERMINE ALLOWABLE LOAD AND SPACING OF ATTACHMENT FASTENERS.
(2) BEADS URETHANE SEALANT

FIELD NOTCH HEM(S) AS REQUIRED

NOTE: POP RIVET OR STITCH SCREW AS NECESSARY

DATE: 12-16-2015
REFER TO SHEET "CI-CF-INFO" FOR ADDITIONAL INFORMATION REGARDING THE APPLICATION OF SEALANTS, FASTENERS, AND CLOSURE MATERIALS. CONSULT METL-SPAN TO DETERMINE ALLOWABLE LOAD AND SPACING OF ATTACHMENT FASTENERS.

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COMMERCIAL & INDUSTRIAL STACK JOINT W/ EXTRUSION

DATE: 12-16-2015
NOTE:
THIS DETAIL IS FOR INFORMATIONAL PURPOSES ONLY. ALL ROOF COMPONENTS, PERIMETER FLASHING AND SEALANTS ARE NOT BY PANEL MANUFACTURER

FLASHING SEALANT TAPE
[7405BWH]

FLUTE PLUG STRIP
(1) PER PANEL
(IF REQUIRED)
SET IN URETHANE SEALANT
[7607UGR]

1/4" HWH CLIP FASTENERS
[SEE CHART]

14 GA. PANEL CLIP
[4633GNC]

INTERIOR AIR/VAPOR SEAL
(NOT BY PANEL MANUFACTURER)

CONTINUOUS BUTYL SEALANT
WITH MARRIAGE BEAD TO
VERTICAL PANEL JOINT SEALANT
[7100BWH]

SUPPORT

REFER TO SHEET "CI-CF-INFO" FOR ADDITIONAL INFORMATION REGARDING THE APPLICATION OF SEALANTS, FASTENERS, AND CLOSURE MATERIALS. CONSULT METL-SPAN TO DETERMINE ALLOWABLE LOAD AND SPACING OF ATTACHMENT FASTENERS.

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COMMERCIAL & INDUSTRIAL

EAVE DETAIL – CONVENTIONAL ROOF

CI–CF–VE–01
DATE: 12–16–2015
CONTINUOUS BUTYL SEALANT WITH MARRIAGE BEAD TO VERTICAL PANEL JOINT SEALANT [7100BWH]

ROOF MEMBRANE & PARAPET CAP (NOT BY PANEL MANUFACTURER)

1/4" HWH CLIP FASTENERS [SEE CHART]

METAL CLEAT AND FORM OF ATTACHMENT (NOT BY PANEL MANUFACTURER)

FLASHING SEALANT TAPE [7405BWH]

FLUTE PLUG STRIP (1) PER PANEL (IF REQUIRED) SET IN URETHANE SEALANT [7607UGR]

SUPPORT

14 GA. PANEL CLIP

PARAPET BLOCKING (NOT BY PANEL MANUFACTURER)

1616PNC

1724PNC

1816PNC

1624PNC

1732PNC

1824PNC

1624PNC

1732PNC

1824PNC

1632PNC

1740PNC

1832PNC

COMMERCIAL & INDUSTRIAL

PARAPET (SUPPORTED) W/ TRIM

DATE: 12-16-2015

CONSULT METL-SPAN TO DETERMINE ALLOWABLE LOAD AND SPACING OF ATTACHMENT FASTENERS.

REFER TO SHEET "CI-CF-INFO" FOR ADDITIONAL INFORMATION REGARDING THE APPLICATION OF SEALANTS, FASTENERS, AND CLOSURE MATERIALS.
REFER TO SHEET "CI-CF-INFO" FOR ADDITIONAL INFORMATION REGARDING THE APPLICATION OF SEALANTS, FASTENERS, AND CLOSURE MATERIALS. CONSULT METL-SPAN TO DETERMINE ALLOWABLE LOAD AND SPACING OF ATTACHMENT FASTENERS.

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COMMERICAL & INDUSTRIAL PARAPET (SUPPORTED) W/ EXTRUSION CI-CF-EP-02 
DATE: 12-16-2015
NEW PENETRANT IN EXISTING WALL

PANEL CUTOUT (1/2" MINIMUM CLEARANCE AROUND PENETRANT)

EXPANDABLE FOAM (NOT BY PANEL MANUFACTURER)

NEW PENETRANT (INSTALL THROUGH CUTOUT)

WALL SUPPORT

SEE DETAIL CI–CF–PEN–5 FOR FLASHING INFORMATION
PANEL CUTOUT (EXTEND AS A SLOT TO THE PANEL EDGE)

EXISTING PENETRANT

SLIDE PANEL TO FIT AROUND PENETRANT

NEXT WALL PANEL

EXISTING PENETRANT IN NEW WALL

EXISTING PENETRANT

EXPANDABLE FOAM (NOT BY PANEL MANUFACTURER)

WALL SUPPORT

SEE DETAIL CI-CF-PEN-4 FOR SEALANT LOCATIONS
SEE DETAIL CI-CF-PEN-5 FOR FLASHING INFORMATION

COMMERCIAL & INDUSTRIAL

PIPE PENETRATION – NOTCHED PANEL

CI-CF-PEN-2
DATE: 12-16-2015
PANEL CUTOUT
(1/2" MIN. CLEARANCE
AROUND PENETRANT)

EXPANDABLE FOAM
(NOT BY PANEL MANUFACTURER)

NEW PENETRANT

WALL SUPPORT

NEW PENETRATION IN EXISTING WALL AT PANEL JOINTS

SEE DETAIL CI–CF–PEN–4 FOR SEALANT LOCATIONS

COMMERCIAL & INDUSTRIAL

PIPE PENETRATION – AT PANEL JOINT

CI–CF–PEN–3
DATE: 12–16–2015
EXTERIOR URETHANE JOINT SEALANT (TO TOP OF WALL)

COVER PLATE SEALANT LOCATION

PANEL CUTOUT

EXTERIOR WEATHER SEAL (NEW PENETRANT, EXISTING WALL)

BUTYL SEALANT

COVER PLATE SEALANT LOCATION

PANEL CUTOUT

SEAL JOINT CAVITY AT TOP & BOTTOM OF CUTOUT

BUTYL SEALANT

INTERIOR AIR/VAPOR SEAL (NEW PENETRANT, EXISTING WALL)

COMMERCIAL & INDUSTRIAL PIPE PENETRATION - WEATHER SEALS AT JOINT

DATE: 12-16-2015
BOTTOM COVER PLATE INSTALLATION

TOP COVER PLATE INSTALLATION

PENETRATION PERIMETER SEAL

COMMERCIAL & INDUSTRIAL
PIPE PENETRATION – FLASHING
CI–CF–PEN–5
DATE: 12–16–2015