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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 horizontal panel applications, Metl-Span recommends sealing both the interior and exterior panel joints for optimum weather protection.

*It is the sole responsibility of the project architect to verify 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**: Used to seal both interior and exterior panel joints. 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.
REFER TO SHEET “AR-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.
REFER TO SHEET "AR-CF-INFO" FOR ADDITIONAL INFORMATION REGARDING THE APPLICATION OF SEALANTS, FASTENERS, AND CLOSURE MATERIALS.
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CONSULT METL-SPAN TO DETERMINE ALLOWABLE LOAD AND SPACING OF ATTACHMENT FASTENERS.

ARCHITECTURAL

CF PANEL JOINT - TUFF-CAST, TUFFWALL

ARCHITECTURAL

CF PANEL JOINT - TUFF-CAST, TUFFWALL

ARCHITECTURAL

CF PANEL JOINT - TUFF-CAST, TUFFWALL

ARCHITECTURAL

CF PANEL JOINT - TUFF-CAST, TUFFWALL
REFER TO SHEET "AR-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.
REFER TO SHEET “AR-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.
1/4" HWH FASTENERS

14 GA. PANEL CLIP

INTERIOR FACE

WALL SUPPORT

EXTERIOR FACE

SUPPORT

1/4" HWH FASTENERS

PANEL CLIP @ EACH WALL SUPPORT

ARCHITECTURAL

ATTACHMENT - SIDE JOINT - STUD WALL

AR-CF-JT-08

DATE: 01-10-2019
ATTACHMENT - SIDE JOINT - TUBE STEEL

14 GA. PANEL CLIP

1/4" HWH FASTENERS

SUPPORT

INTERIOR FACE

EXTERIOR FACE

WALL SUPPORT

14 GA. PANEL CLIP

PANEL CLIP @ EACH WALL SUPPORT

WALL SUPPORT

DATE: 01-10-2019

ARCHITECTURAL
FASTENING PATTERN 1
SIDE JOINT FASTENING

(CONSULT TECHNICAL SERVICES FOR PROJECT SPECIFIC FASTENING REQUIREMENTS)
1/4" HWH FASTENERS

14 GA. PANEL CLIP

SUPPORT

STANDARD:
14 GA. GALVANIZED
4-HOLE CF CLIP

OPTIONAL:
14 GA. STAINLESS STEEL
3-HOLE CF CLIP

(CONSULT TECHNICAL SERVICES FOR PROJECT SPECIFIC FASTENING REQUIREMENTS)
CONTINUOUS BUTYL SEALANT
CONTINUOUS Z SUPPORT
1/4" HWH FASTENER @ 24" O.C. MAXIMUM
FIELD DRILL 3/8" Ø MIN. WEEP HOLES @ 36" O.C.
CONTINUOUS BASE ATTACHMENT (NOT BY PANEL MANUFACTURER)
CONC. FASTENERS (NOT BY PANEL MANUFACTURER)
BASE TRIM
CONTINUOUS URETHANE SEALANT
MENDING PLATE

CONTINUOUS BUTYL SEALANT
WITH MARRIAGE BEAD TO
HORIZONTAL PANEL JOINT SEALANT

FIELD DRILL 3/8" Ø MIN.
WEEP HOLES
@ 36" O.C.

MARRIAGE BEAD

MENDING PLATE

CONTINUOUS BUTYL SEALANT
WITH MARRIAGE BEAD TO
HORIZONTAL PANEL JOINT SEALANT

1/8" Ø RIVETS

CONTINUOUS URETHANE SEALANT

BASE TRIM

1/4" HWH FASTENER
@ 24" O.C. MAXIMUM

NOTE:
GAP BASE TRIM AT
VERTICAL JOINTS

ARCHITECTURAL

BASE - FLUSH W/TRIM - ISO

AR-CF-BE-01-ISO
DATE: 01-10-2019
CONTINUOUS BUTYL SEALANT
1/4" HWH FASTENER @ 24" O.C. MAXIMUM

FIELD DRILL 3/8" Ø MIN.
WEEP HOLES @ 36" O.C.

GALVANIZED CEE

CONTINUOUS BASE ATTACHMENT
(NOT BY PANEL MANUFACTURER)

CONC. FASTENERS
(NOT BY PANEL MANUFACTURER)

CONTINUOUS URETHANE SEALANT

ARCHITECTURAL

BASE - FLUSH W/GALVANIZED CEE

AR-CF-BE-02
DATE: 01-10-2019
MENDING PLATE

CONTINUOUS BUTYL SEALANT
WITH MARRIAGE BEAD TO
HORIZONTAL PANEL JOINT SEALANT

CONTINUOUS BUTYL SEALANT

FIELD DRILL 3/8" Ø MIN.
WEEN HOLES
@ 36" O.C.

GALVANIZED CEE

1/8" Ø RIVETS

1/4" HWH FASTENER
@ 24" O.C. MAXIMUM

NOTE:
GAP BASE CEE AT
VERTICAL JOINTS

ARCHITECTURAL

BASE - FLUSH
W/GALVANIZED CEE - ISO

AR-CF-BE-02-
ISO
DATE: 01-10-2019
1/4" PANCAKE STITCH FASTENER @ 24" O.C. MAXIMUM

CONTINUOUS BUTYL SEALANT

FIELD DRILL 3/8" Ø MIN. WEEP HOLES @ 36" O.C.

BASE EXTRUSION

CONTINUOUS URETHANE SEALANT

MATCH PANEL THICKNESS

CONTINUOUS BASE ATTACHMENT (NOT BY PANEL MANUFACTURER)

CONC. FASTENERS (NOT BY PANEL MANUFACTURER)
MENDING PLATE
CONTINUOUS BUTYL SEALANT
WITH MARRIAGE BEAD TO HORIZONTAL PANEL JOINT SEALANT

CONTINUOUS BUTYL SEALANT
BASE EXTRUSION

MARRIAGE BEAD
1/8" Ø RIVETS
MENDING PLATE
CONTINUOUS BUTYL SEALANT
WITH MARRIAGE BEAD TO HORIZONTAL PANEL JOINT SEALANT

1/4" PANCAKE STITCH FASTENER @ 24" O.C. MAXIMUM

BASE EXTRUSION
1/4" PANCAKE STITCH FASTENER
NOTE:
GAP BASE EXTRUSION AT VERTICAL JOINTS

FIELD DRILL 3/8" Ø MIN. WEEP HOLES @ 36" O.C.

CONTINUOUS BUTYL SEALANT
CONTINUOUS BUTYL SEALANT

NOTE:
GAP BASE EXTRUSION AT VERTICAL JOINTS

ARCHITECTURAL
BASE - AT FLOOR W/EXTRUSION - ISO
AR-CF-BE-03-ISO
DATE: 01-10-2019
CONTINUOUS BUTYL SEALANT

FIELD DRILL 3/8" Ø MIN.
WEEP HOLES @ 36" O.C.

BASE EXTRUSION

CONTINUOUS BUTYL SEALANT

1/4" PANCAKE STITCH FASTENER @ 24" O.C. MAXIMUM

CONTINUOUS BASE ATTACHMENT
(NOT BY PANEL MANUFACTURER)

CONC. FASTENERS
(NOT BY PANEL MANUFACTURER)

CONTINUOUS URETHANE SEALANT

VARIATES

ARCHITECTURAL
BASE - NOTCHED SLAB W/EXTRUSION
AR-CF-BE-04
DATE: 01-10-2019
MENDING PLATE

CONTINUOUS BUTYL SEALANT
WITH MARRIAGE BEAD TO HORIZONTAL PANEL JOINT SEALANT

CONTINUOUS BUTYL SEALANT

CONTINUOUS BASE EXTRUSION

FIELD DRILL 3/8" Ø MIN.
WEEP HOLES @ 36" O.C.

MARRIAGE BEAD

1/8" Ø RIVETS

1/4" PANCAKE STITCH FASTENER @ 24" O.C. MAXIMUM

CONTINUOUS BUTYL SEALANT

CONTINUOUS URETHANE SEALANT

NOTE:
GAP BASE EXTRUSION AT VERTICAL JOINTS

ARCHITECTURAL
BASE - NOTCHED SLAB W/EXTRUSION - ISO
AR-CF-BE-04-ISO
DATE: 01-10-2019
CONTINUOUS BUTYL SEALANT
FIELD DRILL 3/8" Ø MIN.
WEEP HOLES @ 36" O.C.
BASE EXTRUSION
CONTINUOUS URETHANE SEALANT

CONTINUOUS BUTYL SEALANT
1/4" PANCAKE STITCH FASTENER @ 24" O.C. MAXIMUM

CONTINUOUS BASE ATTACHMENT (NOT BY PANEL MANUFACTURER)
CONC. FASTENERS (NOT BY PANEL MANUFACTURER)

VARIATION IN BASE OVERHANG WITH EXTRUSION
ARCHITECTURAL
BASE - OVERHANG W/EXTRUSION
DATE: 01-10-2019
MENDING PLATE
CONTINUOUS BUTYL SEALANT
WITH MARRIAGE BEAD TO HORIZONTAL PANEL JOINT SEALANT

CONTINUOUS BUTYL SEALANT

BASE EXTRUSION

CONTINUOUS BUTYL SEALANT

FIELD DRILL 3/8" Ø MIN.
WEEP HOLES @ 36" O.C.

CONTINUOUS BASE EXTRUSION

MARRIAGE BEAD

MENDIN PLATE

CONTINUOUS BUTYL SEALANT WITH MARRIAGE BEAD TO HORIZONTAL PANEL JOINT SEALANT

1/8" Ø RIVETS

1/4" PANCAKE STITCH FASTENER @ 24" O.C. MAXIMUM

NOTE:
GAP BASE EXTRUSION AT VERTICAL JOINTS

ARCHITECTURAL
BASE - OVERHANG W/EXTRUSION - ISO
AR-CF-BE-05-ISO
DATE: 01-10-2019
1/8" Ø RIVETS @ 8" O.C.
F.I.P. INSULATION (NOT BY PANEL MANUFACTURER)
CONTINUOUS BUTYL SEALANT
14 GA. PANEL CLIP
CONTINUOUS BUTYL SEALANT
1/8" Ø RIVETS @ 8" O.C.
F.I.P. INSULATION (NOT BY PANEL MANUFACTURER)
CONTINUOUS BUTYL SEALANT WITH MARRIAGE BEAD TO HORIZONTAL PANEL JOINT SEALANT
EXTERIOR CORNER TRIM
SUPPORT
INTERIOR CORNER TRIM
1/8" Ø RIVETS @ 24" O.C.
1/4" HWH FASTENERS
INTERIOR CORNER TRIM
OUTSIDE CORNER - W/TRIM
MAXIMUM LENGTH: 7.5'
MINIMUM LENGTH: 1'

COVER PLATE REQUIRED WHEN PANEL HAS A REVEAL

SUPPORT
PANCAKE FASTENERS PRE-INSTALLED
CONTINUOUS BUTYL SEALANT WITH MARRIAGE BEAD TO HORIZONTAL PANEL JOINT SEALANT
1/4" HWH FASTENERS
GALVANIZED ANGLE
CONTINUOUS BUTYL SEALANT

MAXIMUM LENGTH: 4'
MINIMUM LENGTH: 1'

ARCHITECTURAL
OUTSIDE CORNER - FACTORY FOLDED PANEL
AR-CF-CE-03
DATE: 01-10-2019
FIELD MITER PANELS
(NOT BY PANEL MANUFACTURER)

14 GA. PANEL CLIP

CONTINUOUS BUTYL SEALANT

WIPER GASKET

CONTINUOUS BUTYL SEALANT

F.I.P. INSULATION
(NOT BY PANEL MANUFACTURER)

MALE CORNER EXTRUSION

CONTINUOUS BUTYL SEALANT
WITH MARRIAGE BEAD TO
HORIZONTAL PANEL JOINT SEALANT

SUPPORT

FEMALE CORNER EXTRUSION

1/4" PANCAKE STITCH
FASTENERS
@ 24" O.C. MAXIMUM

1/4" HWH FASTENERS

ARCHITECTURAL

OUTSIDE CORNER -
TWO PIECE EXTRUSION

AR-CF-CE-04
DATE: 01-10-2019
INTERIOR CORNER TRIM

VERTICAL GASKET - EMBED IN URETHANE SEALANT

NOTE: INSET GASKET 1/4" FROM PANEL FACE

CONTINUOUS BUTYL SEALANT WITH MARRIAGE BEAD TO HORIZONTAL PANEL JOINT SEALANT

MINIMUM 4# DENSITY MINERAL FIBER (NOT BY PANEL MANUFACTURER)

SUPPORT

1/8" Ø RIVETS @ 24" O.C.

1/4" HWH FASTENERS

14 GA. PANEL CLIP

VERTICAL GASKET - EMBED IN URETHANE SEALANT

NOTE: INSET GASKET 1/4" FROM PANEL FACE

TRIMLESS END

CONTINUOUS BUTYL SEALANT
ARCHITECTURAL

MALE CORNER EXTRUSION
F.I.P. INSULATION (NOT BY PANEL MANUFACTURER)
14 GA. PANEL CLIP
SUPPORT
CONTINUOUS BUTYL SEALANT WITH MARRIAGE BEAD TO HORIZONTAL PANEL JOINT SEALANT
MALE CORNER EXTRUSION
F.I.P. INSULATION (NOT BY PANEL MANUFACTURER)
1/4" PANCake stitch fasteners @ 24" O.C. MAXIMUM
CONTINUOUS BUTYL SEALANT
WIPER GASKET
CONTINUOUS BUTYL SEALANT

FEMALE CORNER EXTRUSION
1/4" HWH FASTENERS
14 GA. PANEL CLIP
CONTINUOUS BUTYL SEALANT
WIPER GASKET
CONTINUOUS BUTYL SEALANT

ARCHITECTURAL INSIDE CORNER - W/TWO PIECE CORNER EXTRUSION AR-CF-CE-07 DATE: 01-10-2019
CONTINUOUS BUTYL SEALANT
1/4" HWH FASTENERS
MENDING PLATE
SUPPORT
1/8" Ø RIVETS @ 24" O.C.
14 GA. PANEL CLIP
1/4" HWH FASTENERS

CONTINUOUS BUTYL SEALANT
WITH MARRIAGE BEAD TO HORIZONTAL PANEL JOINT SEALANT
BACKER ROD & SEALANT (NOT BY PANEL MANUFACTURER)
MINIMUM 4# DENSITY MINERAL FIBER (NOT BY PANEL MANUFACTURER)

ALTERNATE SUPPORT
SEE ELEVATION
SEE ELEVATION

ARCHITECTURAL
VERTICAL JOINT - TRIMLESS ENDS AND WET SEAL
AR-CF-VJ-02
DATE: 01-10-2019
14 GA. PANEL CLIP
[1/8" Ø RIVETS @ 24" O.C.]

SUPPORT

1/4" HWH FASTENERS

EPDM GASKET

SEE ELEVATION

CONTINUOUS BUTYL SEALANT
WITH MARRIAGE BEAD TO HORIZONTAL PANEL JOINT SEALANT

MENDING PLATE

MINIMUM 4# DENSITY MINERAL FIBER (NOT BY PANEL MANUFACTURER)

TOP HAT JOINT EXTRUSION

ARCHITECTURAL

VERTICAL JOINT - W/EXTRUSION

AR-CF-VJ-03

DATE: 01-10-2019
VERTICAL JOINT - RUNNING BOND PATTERN

- BASE SUPPORT AS REQUIRED (NOT SHOWN FOR CLARITY)
- CONTINUOUS BUTYL SEALANT WITH MARRIAGE BEAD TO HORIZONTAL PANEL JOINT SEALANT
- MENDING PLATE
- TRIMLESS END
- 1/8" Ø RIVETS
- VERTICAL GASKET
- STUD TRACK

ARCHITECTURAL

DATE: 01-10-2019

AR-CF-VJ-04
NOTE: FILL CAVITY BETWEEN JOINTS WITH URETHANE SEALANT

NOTE: FIELD CUT BACK OF EPDM GASKET AT EXTERIOR MALE LEG

URETHANE SEALANT

PANEL ENFOLD

VERTICAL JOINT - RUNNING BOND SEALANTS -ISO

ARCHITECTURAL

DATE: 01-10-2019

AR-CF-VJ-06
CONTINUOUS BUTYL SEALANT
CONTINUOUS Z SUPPORT
CONTINUOUS URETHANE SEALANT
BASE TRIM
CONTINUOUS BUTYL SEALANT

1/4" HWH FASTENER @ 24" O.C. MAXIMUM

INSULATION AS REQUIRED (NOT BY PANEL MANUFACTURER)
SUPPORT
CONTINUOUS PERIMETER SEALANT (NOT BY PANEL MANUFACTURER)
WINDOW/LOUVER/FRAMING (NOT BY PANEL MANUFACTURER)
CONTINUOUS BUTYL SEALANT

FIELD DRILL 3/8" Ø MIN.
WEEP HOLES
@ 36" O.C.

HEADER EXTRUSION

CONTINUOUS BUTYL SEALANT

1/4" HWH FASTENER
@ 24" O.C. MAXIMUM

CONTINUOUS BUTYL SEALANT

CONTINUOUS PERIMETER SEALANT

INSULATION AS REQUIRED
(NOT BY PANEL MANUFACTURER)

SUPPORT

CONTINUOUS PERIMETER SEALANT
(NOT BY PANEL MANUFACTURER)

WINDOW/LOUVER/FRAMING
(NOT BY PANEL MANUFACTURER)
OH DOOR - HEAD WRAP

FASTENER (NOT BY PANEL MANUFACTURER)

FRAMED OPENING (NOT BY PANEL MANUFACTURER)

FIELDS DRILL 3/8" Ø MIN.

WEEP HOLES @ 36" O.C.

CONTINUOUS BUTYL SEALANT

MALE HEADER EXTRUSION

1/4" PANCAKE FASTENER

1/4" PANCAKE STITCH FASTENER @ 24" O.C. MAXIMUM

WIPER GASKET

CONTINUOUS BUTYL SEALANT

WIPER GASKET

CONTINUOUS BUTYL SEALANT

MALE HEADER EXTRUSION

FEMALE HEADER EXTRUSION

CONTINUOUS BUTYL SEALANT

INSULATION AS REQUIRED (NOT BY PANEL MANUFACTURER)

SUPPORT

CONTINUOUS PERIMETER SEALANT (NOT BY PANEL MANUFACTURER)

WINDOW/LOUVER/FRAMING (NOT BY PANEL MANUFACTURER)
CONTINUOUS BUTYL SEALANT
WINDOW/LOUVER/FRAMING
(SUPPORT NOT BY PANEL MANUFACTURER)
CONTINUOUS PERIMETER SEALANT
(SUPPORT NOT BY PANEL MANUFACTURER)
CONTINUOUS URETHANE SEALANT
1/8" Ø RIVET @ 8" O.C.
EXTERIOR JAMB TRIM

OH DOOR - JAMB WRAP
CONTINUOUS BUTYL SEALANT
1/4" HWH FASTENERS
1/8" Ø RIVET @ 24" O.C.
CONTINUOUS BUTYL SEALANT WITH MARRIAGE BEAD TO HORIZONTAL PANEL JOINT SEALANT
14 GA. PANEL CLIP
CONTINUOUS BUTYL SEALANT
1/8" Ø RIVET @ 8" O.C.
CONTINUOUS BUTYL SEALANT
CONTINUOUS BUTYL SEALANT
INTERIOR JAMB TRIM
1/8" Ø RIVET @ 8" O.C.
CONTINUOUS BUTYL SEALANT
EXTERIOR JAMB TRIM

ARCHITECTURAL
FRAMED OPENING JAMB - W/TWO PIECE TRIM
AR-CF-JB-01
DATE: 01-10-2019
CONTINUOUS BUTYL SEALANT
1/4" HWH FASTENERS
14 GA. PANEL CLIP
CONTINUOUS BUTYL SEALANT
WITH MARRIAGE BEAD TO HORIZONTAL PANEL JOINT SEALANT
CONTINUOUS BUTYL SEALANT
1/8" Ø RIVET @ 24" O.C.
CONTINUOUS URETHANE SEALANT
JAMB TRIM (MINIMUM 22 GAUGE)
VERTICAL GASKET
TRIMLESS END

1/8" Ø RIVET @ 20" O.C.
CONTINUOUS BUTYL SEALANT
CONTINUOUS BUTYL SEALANT
WITH MARRIAGE BEAD TO HORIZONTAL PANEL JOINT SEALANT
14 GA. PANEL CLIP
SUPPORT
WINDOW/LOUVER/FRAMING (NOT BY PANEL MANUFACTURER)
CONTINUOUS PERIMETER SEALANT (NOT BY PANEL MANUFACTURER)
CONTINUOUS URETHANE SEALANT
JAMB TRIM (MINIMUM 22 GAUGE)
VERTICAL GASKET
TRIMLESS END

ARCHITECTURAL
FRAMED OPENING JAMB - TRIMLESS END W/GASKETED REVEAL
AR-CF-JB-02
DATE: 01-10-2019
WINDOW/LOUVER/FRAMING (NOT BY PANEL MANUFACTURER)

SUPPORT

INSULATION AS REQUIRED (NOT BY PANEL MANUFACTURER)

CONTINUOUS PERIMETER SEALANT (NOT BY PANEL MANUFACTURER)

CONTINUOUS BUTYL SEALANT

WITH MARRIAGE BEAD TO HORIZONTAL PANEL JOINT SEALANT

1/8" Ø RIVET @ 20" O.C.

1/4" HWH FASTENERS

CONTINUOUS BUTYL SEALANT

14 GA. PANEL CLIP

CONTINUOUS BUTYL SEALANT

JAMB TRIM

1/8" Ø RIVET @ 8" O.C.

CONTINUOUS URETHANE SEALANT

ARCHITECTURAL

FRAMED OPENING JAMB - W/ONE PIECE TRIM

AR-CF-JB-03

DATE: 01-10-2019
OH DOOR - JAMB WRAP

1/4" PANCAKE STITCH FASTENER @ 24" O.C. MAXIMUM

CONTINUOUS BUTYL SEALANT

CONTINUOUS BUTYL SEALANT WITH MARRIAGE BEAD TO HORIZONTAL PANEL JOINT SEALANT

CONTINUOUS URETHANE SEALANT

MALE JAMB EXTRUSION

14 GA. PANEL CLIP

WIPER GASKET

CONTINUOUS PERIMETER SEALANT (NOT BY PANEL MANUFACTURER)

CONTINUOUS BUTYL SEALANT

1/4" HWH FASTENERS

INSULATION AS REQUIRED (NOT BY PANEL MANUFACTURER)

WINDOW/LOUVER/FRAMING (NOT BY PANEL MANUFACTURER)

SUPPORT

CONTINUOUS BUTYL SEALANT WITH MARRIAGE BEAD TO HORIZONTAL PANEL JOINT SEALANT

CONTINUOUS BUTYL SEALANT

FEMALE JAMB EXTRUSION

CONTINUOUS PERIMETER SEALANT (NOT BY PANEL MANUFACTURER)

ARCHITECTURAL

FRAMED OPENING JAMB - W/TWO PIECE EXTRUSION

AR-CF-JB-04

DATE: 01-10-2019
FRAMED OPENING SILL - OFF MODULE W/TRIM

- SILL TRIM
- CONTINUOUS SEALANT TAPE
- 1/4" PANCAKE FASTENER
- SILL CLEAT
- 1/8" Ø RIVET @ 20" O.C.
- CONTINUOUS BUTYL SEALANT
- WINDOW/LOUVER/FRAMING (NOT BY PANEL MANUFACTURER)
- CONTINUOUS PERIMETER SEALANT (NOT BY PANEL MANUFACTURER)
- SUPPORT
- INSULATION AS REQUIRED (NOT BY PANEL MANUFACTURER)

ARCHITECTURAL

DATE: 01-10-2019

AR-CF-SL-02
SILL EXTRUSION

1/4" PANCAKE FASTENER

WIPER GASKET

CONTINUOUS BUTYL SEALANT

WINDOW/LOUVER/FRAMING (NOT BY PANEL MANUFACTURER)

CONTINUOUS PERIMETER SEALANT (NOT BY PANEL MANUFACTURER)

SUPPORT

INSULATION AS REQUIRED (NOT BY PANEL MANUFACTURER)

#12 PANCAKE STITCH FASTENER @ 12" O.C. (NOT BY PANEL MANUFACTURER)

CONTINUOUS BUTYL SEALANT
WINDOW/LOUVER/FRAMING (NOT BY PANEL MANUFACTURER)
INSULATION AS REQUIRED (NOT BY PANEL MANUFACTURER)
BACKER ROD & SEALANT (NOT BY PANEL MANUFACTURER)
CONTINUOUS URETHANE SEALANT

1/8" Ø RIVET @ 12" O.C.
1/4" PANCAKE FASTENER
HEADER TRIM
SUPPORT
CONTINUOUS BUTYL SEALANT
1/8" Ø RIVET @ 24" O.C.
INSULATION AS REQUIRED (NOT BY PANEL MANUFACTURER)
FASTENER (NOT BY PANEL MANUFACTURER)
CONTINUOUS URETHANE SEALANT
BACKER ROD & SEALANT (NOT BY PANEL MANUFACTURER)
WINDOW/LOUVER/FRAMING (NOT BY PANEL MANUFACTURER)
SUPPORT

INSULATION AS REQUIRED
( NOT BY PANEL MANUFACTURER )

1/8" Ø RIVET
@ 20" O.C.

CONTINUOUS URETHANE SEALANT

CONTINUOUS BUTYL SEALANT
WITH MARRIAGE BEAD TO
HORIZONTAL PANEL JOINT SEALANT

CONTINUOUS BUTYL SEALANT

14 GA. PANEL CLIP

1/4" HWH FASTENERS

JAMB TRIM

CONTINUOUS BUTYL SEALANT

WINDOW/LOUVER/FRAMING
( NOT BY PANEL MANUFACTURER )

BACKER ROD & SEALANT
( NOT BY PANEL MANUFACTURER )

1/8" Ø RIVET
@ 8" O.C.

ARCHITECTURAL

STOREFRONT JAMB - W/TRIM

AR-CF-JB-05

DATE: 01-10-2019
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 TRIMS
5. EXTERIOR HEAD TRIM

NOTE:
WINDOWS MUST BE RECESSED

ARCHITECTURAL
TRIM ASSEMBLY - FRAMED OPENINGS
AR-CF-AS-01
DATE: 01-10-2019
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

NOTE:
WINDOWS MUST BE RECESSED

EXTRUSION ASSEMBLY - FRAMED OPENINGS

ARCHITECTURAL

DATE: 01-10-2019
1" INSULATED GLASS (NOT BY PANEL MANUFACTURER)

THERMALLY BROKEN SILL EXTRUSION

SNAP COVER

1/4" HWH FASTENERS

CONTINUOUS SUPPORT (NOT BY PANEL MANUFACTURER)

CONTINUOUS BEAD OF BUTYL SEALANT

FIELD DRILL 3/8" Ø MIN. WEEP HOLES @ 24" O.C.

DATE: 01-10-2019
FIELD DRILL 3/8" Ø MIN. WEEP HOLES @ 24" O.C.

CONTINUOUS BUTYL SEALANT

CONTINUOUS BUTYL SEALANT

CONTINUOUS SUPPORT (NOT BY PANEL MANUFACTURER)

THERMALLY BROKEN SILL EXTRUSION

1" INSULATED GLASS (NOT BY PANEL MANUFACTURER)

SNAP COVER

3" PANEL REVEAL
FIELD DRILL 3/8" Ø MIN. WEEP HOLES @ 24" O.C.

1" INSULATED GLASS (NOT BY PANEL MANUFACTURER)

THERMALLY BROKEN SILL EXTRUSION

OPTIONAL WEEP HOLE COVER

SHEAR BLOCK & FASTENER AT JAMBS OR INTERMEDIATE VERTICAL MULLIONS

SNAP COVER

DATE: 01-10-2019
SNAP COVER

SHEAR BLOCK & FASTENER AT JAMBS OR INTERMEDIATE VERTICAL MULLIONS

1" INSULATED GLASS (NOT BY PANEL MANUFACTURER)

THERMALLY BROKEN SILL EXTRUSION
1/8" Ø RIVET @ 20" O.C.
CONTINUOUS BUTYL SEALANT
CONTINUOUS BUTYL SEALANT WITH MARRIAGE BEAD TO HORIZONTAL PANEL JOINT SEALANT
14 GA. PANEL CLIP
CONTINUOUS BUTYL SEALANT
1/4" HWH FASTENERS
CONTINUOUS URETHANE SEALANT
TRIMLESS END

SNAP COVER
SHEAR BLOCK & FASTENER AT JAMBS OR INTERMEDIATE VERTICAL MULLIONS
1" INSULATED GLASS (NOT BY PANEL MANUFACTURER)
JOINT TRIM
WET SEAL (NOT BY PANEL MANUFACTURER)
CONTINUOUS BUTYL SEALANT

FIELD DRILL 3/8" Ø MIN. WEEP HOLES @ 36" O.C.

BASE/SOFFIT EXTRUSION

CONTINUOUS BUTYL SEALANT

1/4" HWH FASTENERS @ 24" O.C. MAXIMUM

MARRIAGE BEAD TO HORIZONTAL PANEL JOINT SEALANT

SUPPORT

INSULATION AS REQUIRED (NOT BY PANEL MANUFACTURER)

MINIMUM 4# DENSITY MINERAL FIBER (NOT BY PANEL MANUFACTURER)

1/4" PANCAKE STITCH FASTENER @ 24" O.C. MAXIMUM

1/4" HWH FASTENER @ 24" O.C. MAXIMUM

SOFFIT REVEAL EXTRUSION

SOFFIT - W/REVEAL, EXTRUSIONS

ARCHITECTURAL

DATE: 01-10-2019

AR-CF-SO-01
CONTINUOUS BUTYL SEALANT

FIELD DRILL 3/8" Ø MIN.
@ 36" O.C.

BASE/SOFFIT EXTRUSION

1/4" HWH FASTENERS

CONTINUOUS BUTYL SEALANT

1/4" PANCAKE STITCH FASTENER
@ 24" O.C. MAXIMUM

SUPPORT

COMPRESSIBLE FOAM CLOSURE

INSULATION AS REQUIRED
(NOT BY PANEL MANUFACTURER)

CONTINUOUS BUTYL SEALANT
WITH MARRIAGE BEAD TO
HORIZONTAL PANEL JOINT SEALANT

WEEP HOLES

14 GA. PANEL CLIP

TRIMLESS END

WET SEAL
(NOT BY PANEL MANUFACTURER)

1/2"
PARAPET BLOCKING (NOT BY PANEL MANUFACTURER)

ROOF MEMBRANE & PARAPET CAP (NOT BY PANEL MANUFACTURER)

1/4" PANCAKE FASTENER

SUPPORT CONTINUOUS BUTYL SEALANT

FASTENER (NOT BY PANEL MANUFACTURER)

PARAPET BLOCKING (NOT BY PANEL MANUFACTURER)

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

SUPPORT CONTINUOUS BUTYL SEALANT

PARAPET (SUPPORTED) - OFF MODULE W/TRIM

ARCHITECTURAL

PARAPET (SUPPORTED) - OFF MODULE W/TRIM

AR-CF-PT-01

DATE: 01-10-2019
1/4" PANCAKE FASTENER

FASTENER (NOT BY PANEL MANUFACTURER)

CONTINUOUS BUTYL SEALANT

PARAPET EXTRUSION

ROOF MEMBRANE (NOT BY PANEL MANUFACTURER)

FASTENER (NOT BY PANEL MANUFACTURER)

PARAPET CAP TRIM (NOT BY PANEL MANUFACTURER)

FASTENER (NOT BY PANEL MANUFACTURER)

SUPPORT

CONTINUOUS BUTYL SEALANT
8" LONG SPLICE TRIM

(2) BEADS BUTYL SEALANT

8" LONG SPLICE TRIM

NOTE:
LEAVE 1/4" GAP BETWEEN PARAPET TRIMS FOR EXPANSION/CONTRACTION
FIELD NOTCH HEM AS REQUIRED (NOT BY METL-SPAN)

(2) BEADS BUTYL SEALANT

NOTE:
FASTEN LAP WITH COLOR MATCHED POP RIVETS AS NECESSARY
FIELD NOTCH HEM AS REQUIRED (NOT BY METL-SPAN)

(2) BEADS BUTYL SEALANT

NOTE:
FASTEN LAP WITH COLOR MATCHED POP RIVETS AS NECESSARY

ARCHITECTURAL
TRIM END LAP - INTERIOR CORNER

AR-CF-EL-03
DATE: 01-10-2019
(2) BEADS BUTYL SEALANT

FIELD NOTCH HEM AS REQUIRED (NOT BY METL-SPAN)

NOTE:
FASTEN LAP WITH COLOR MATCHED POP RIVETS AS NECESSARY

ARCHITECTURAL

TRIM END LAP - EXTERIOR CORNER

AR-CF-EL-04

DATE: 01-10-2019
FIELD NOTCH HEM AS REQUIRED (NOT BY METL-SPAN)

(2) BEADS BUTYL SEALANT

FIELD NOTCH HEM AS REQUIRED (NOT BY METL-SPAN)

NOTE:
FASTEN LAP WITH COLOR MATCHED POP RIVETS AS NECESSARY
FIELD NOTCH HEM(S) AS REQUIRED (NOT BY METL-SPAN)

(2) BEADS BUTYL SEALANT

NOTE:
FASTEN LAP WITH COLOR MATCHED POP RIVETS AS NECESSARY
(2) BEADS BUTYL SEALANT

NOTE:
FASTEN LAP WITH COLOR MATCHED POP RIVETS AS NECESSARY

ARCHITECTURAL  MENDING PLATE SHINGLE LAP  AR-CF-EL-07

DATE: 01-10-2019
2" BASE/HEAD EXTRUSION [9479ANC]

TOP HAT EXTRUSION [9447ANC]

EPDM GASKET [7709NBK]

2" HEAD/JAMB EXTRUSION INTERIOR (FEMALE) [9420A]

2" INSIDE CORNER INTERIOR (FEMALE) [9436ANC]

NOTE: REVERSE EXTRUSIONS FOR INSIDE CORNER CONDITIONS

2" OUTSIDE CORNER EXTERIOR (MALE) [9425ANC]

HEAD/JAMB EXTRUSION INTERIOR (MALE) [9415A]

SOFFIT REVEAL EXTRUSION [9476ANC]

TOP HAT EXTRUSION [9447ANC]

RECESSED INSERT [9449ANC]

2" SILL EXTRUSION

DATE: 01-10-2019
2.5" BASE/HEAD EXTRUSION [9478ANC]

TOP HAT EXTRUSION [9447ANC]

FLUSH INSERT [9448ANC]

RECESSED INSERT [9449ANC]

EPDM GASKET [7709NBK]

2.5" HEAD/JAMB EXTRUSION INTERIOR (FEMALE) [9421A]

HEAD/JAMB EXTRUSION INTERIOR (MALE) [9415A]

SOFFIT REVEAL EXTRUSION [9476ANC]

2.5" INSIDE CORNER INTERIOR (FEMALE) [9437ANC]

2.5" OUTSIDE CORNER EXTERIOR (MALE) [9425ANC]

NOTE:
REVERSE EXTRUSIONS FOR INSIDE CORNER CONDITIONS

2.5" PARAPET EXTRUSION [9428ANC]

2.5" SILL EXTRUSION [9413A]

2.5" PARAPET EXTRUSION [9428ANC]

DATE: 01-10-2019
**3" HEAD/JAMB EXTRUSION**
[9422A]

**INTERIOR (FEMALE)**

**3" SILL EXTRUSION**
[9413A]

**3" INSIDE CORNER**
INTERIOR (FEMALE)
[9436ANC]

**NOTE:**
REVERSE EXTRUSIONS
FOR INSIDE CORNER
CONDITIONS

**3" OUTSIDE CORNER**
EXTERIOR (MALE)
[9429ANC]

**3" PARAPET EXTRUSION**
[9428ANC]

**TOP HAT EXTRUSION**
[9447ANC]

**3" HEAD/JAMB EXTRUSION**
INTERIOR (MALE)
[9415A]

**SOFFIT REVEAL EXTRUSION**
[9476ANC]

**3" INSIDE CORNER**
INTERIOR (MALE)
[9422A]

**FLUSH INSERT**
[9448ANC]

**RECESSED INSERT**
[9449ANC]

**EPDM GASKET**
[7709NBK]

**3" BASE/HEAD EXTRUSION**
[9477ANC]

**TOP HAT EXTRUSION**
[9447ANC]

**3" FLUSH**
INSERT
[9448ANC]

**3" RECESSED**
INSERT
[9449ANC]

**TOP HAT EXTRUSION**
[9447ANC]

**3" FLUSH**
INSERT
[9448ANC]

**3" RECESSED**
INSERT
[9449ANC]

**3" PARAPET EXTRUSION**
[9428ANC]

**3" SILL EXTRUSION**
[9413A]

**3" BASE/HEAD EXTRUSION**
[9477ANC]

**TOP HAT EXTRUSION**
[9447ANC]

**3" FLUSH**
INSERT
[9448ANC]

**3" RECESSED**
INSERT
[9449ANC]

**TOP HAT EXTRUSION**
[9447ANC]

**3" FLUSH**
INSERT
[9448ANC]

**3" RECESSED**
INSERT
[9449ANC]

**3" PARAPET EXTRUSION**
[9428ANC]

**3" SILL EXTRUSION**
[9413A]
4" BASE/HEAD EXTRUSION [9475ANC]

4" HEAD/JAMB EXTRUSION INTERIOR (FEMALE) [9423A]

4" HEAD/JAMB EXTRUSION INTERIOR (MALE) [9415A]

4" SILL EXTRUSION [9412A]

4" INSIDE CORNER INTERIOR (FEMALE) [9434ANC]

4" OUTSIDE CORNER EXTERIOR (MALE) [9429ANC]

4" INSIDE CORNER INTERIOR (FEMALE) [9434ANC]

4" OUTSIDE CORNER EXTERIOR (MALE) [9429ANC]

4" PARAPET EXTRUSION [9428ANC]

4" EXTRUSIONS ARCHITECTURAL AR-CF-4-EXT DATE: 01-10-2019

HEAD/JAMB EXTRUSION INTERIOR (MALE) [9415A]

SOFFIT REVEAL EXTRUSION [9476ANC]

SCRIPT

EPDM GASKET [7709NBK]

NOTE: REVERSE EXTRUSIONS FOR INSIDE CORNER CONDITIONS

FLUSH INSERT [9448ANC]

RECESSED INSERT [9449ANC]
LAP STRIP FOR BASE/HEADER EXTRUSION

LAP STRIP FOR TOP HAT EXTRUSION

LAP STRIP FOR SOFFIT EXTRUSION
LAP STRIP FOR SILL EXTRUSION

LAP STRIP FOR PARAPET EXTRUSION
PIPE PENETRATION AFTER WALL IS INSTALLED

SEE DETAIL AR-CF-PEN-5 FOR FLASHING INFORMATION
PIPE PENETRATION DURING WALL INSTALLATION

SLIDE PANEL TO FIT AROUND PENETRANT

EXISTING PENETRANT

WALL SUPPORT

AR-CF-PEN-02

DATE: 01-10-2019

ARCHITECTURAL

PIPE PENETRATION - NOTCHED PANEL
PIPE PENETRATION AFTER WALL IS INSTALLED

SEE DETAIL AR-CF-PEN-4 FOR SEALANT LOCATIONS
EXTERIOR WEATHER SEAL
(NEW PIPE PENETRATION AFTER WALL IS INSTALLED)

NOTE:
FILL CAVITY BETWEEN JOINTS WITH URETHANE SEALANT

PANEL CUTOUT

INTERIOR AIR/VAPOR SEAL
(NEW PIPE PENETRATION AFTER WALL IS INSTALLED)

NOTE:
FILL CAVITY BETWEEN JOINTS WITH URETHANE SEALANT

SEAL JOINT CAVITY WITH BUTYL SEALANT

PANEL CUTOUT
**BOTTOM COVER TRIM INSTALLATION**

- WALL PANEL
- PENETRANT
- URETHANE SEALANT
- BOTTOM COVER TRIM
- RIVET OR SCREW (TYP.)

**TOP COVER TRIM INSTALLATION**

- WALL PANEL
- PENETRANT
- URETHANE SEALANT
- BOTTOM COVER TRIM
- RIVET OR SCREW (TYP.)

**PENETRATION PERIMETER SEAL**

- WALL PANEL
- PENETRANT
- EXPOSED URETHANE SEALANT
- 3/8" (MIN) FILLET
- COVER TRIM ASSEMBLY

**ARCHITECTURAL**

**PIPE PENETRATION - FLASHING**

**DATE:** 01-10-2019
Penetration Perimeter Seal

Right Cover Trim Installation

Cover Trim Layout

Left Cover Trim Installation

Exposed Sealant 3/8" Min. Fillet (Not by Panel Manufacturer)

Penetration Perimeter Seal

Architectural

Beam Penetration - Flashing

AR-CF-PEN-07

Date: 01-10-2019