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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 weather-tight 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.
REVEAL

0", 1", 1.25", 2", 2.25", OR 3"

CONTINUOUS BUTYL SEALANT

CONTINUOUS BUTYL SEALANT

1/4" HWH FASTENERS

14 GA. PANEL CLIP

CONTINUOUS BUTYL SEALANT

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.
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14 GA. PANEL CLIP

1/4" HWH FASTENERS

14 GA. PANEL CLIP

INTERIOR FACE

EXTERIOR FACE

SUPPORT

PANEL CLIP @ EACH WALL SUPPORT

WALL SUPPORT

ARCHITECTURAL ATTACHMENT - SIDE JOINT - TUBE STEEL AR-CF-JT-09

DATE: Jul '19
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
CONTINUOUS BUTYL SEALANT
FIELD DRILL 3/8" Ø MIN.
WEEP HOLES @ 36" O.C.
BASE TRIM
CONTINUOUS URETHANE SEALANT
CONTINUOUS BUTYL SEALANT
CONTINUOUS BASE ATTACHMENT
(NOT BY PANEL MANUFACTURER)
CONC. FASTENERS
(NOT BY PANEL MANUFACTURER)
1/4" HWH FASTENER @ 24" O.C. MAXIMUM
MENDING PLATE
CONTINUOUS BUTYL SEALANT
WITH MARRIAGE BEAD TO
HORIZONTAL PANEL JOINT SEALANT

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

NOTE:
GAP BASE TRIM AT
VERTICAL JOINTS

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

BASE TRIM

MARRIAGE BEAD

MENDING PLATE

CONTINUOUS BUTYL SEALANT
WITH MARRIAGE BEAD TO
HORIZONTAL PANEL JOINT SEALANT

BASE -
FLUSH W/TRIM - ISO

AR-CF-BE-01-
ISO
DATE: Jul '19
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

BASE - FLUSH W/GALVANIZED CEE

ARCHITECTURAL

METL-SPAN
A Division of NCI Group, Inc.

DATE: Jul '19

AR-CF-BE-02
MENDING PLATE

CONTINUOUS BUTYL SEALANT
WITH MARRIAGE BEAD TO HORIZONTAL PANEL JOINT SEALANT

MARRIAGE BEAD

CONTINUOUS BUTYL SEALANT

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

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

NOTE:
GAP BASE CEE AT VERTICAL JOINTS

GALVANIZED CEE

1/8" Ø RIVETS

CONTINUOUS BUTYL SEALANT

CONTINUOUS URETHANE SEALANT

ARCHITECTURAL
BASE - FLUSH W/GALVANIZED CEE - ISO

DATE: Jul '19
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 BUTYL SEALANT

CONC. FASTENERS
(NOT BY PANEL MANUFACTURER)

CONTINUOUS BASE ATTACHMENT
(NOT BY PANEL MANUFACTURER)

ARCHITECTURAL

BASE - AT FLOOR W/EXTRUSION

AR-CF-BE-03

DATE: Jul '19
CONTINUOUS BUTYL SEALANT
WITH MARRIAGE BEAD TO
HORIZONTAL PANEL JOINT SEALANT

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

BASE EXTRUSION

MARRIAGE BEAD

NOTE: FIELD CUT BACK LEG
OF EXTRUSION AS SHOWN

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 - AT FLOOR W/EXTRUSION - ISO

ARCHITECTURAL

DATE: Jul '19

AR-CF-BE-03-ISO
1/4" PANCAKE STITCH FASTENER @ 24" O.C. MAXIMUM
CONTINUOUS BUTYL SEALANT
FIELD DRILL 3/8" Ø MIN. WEEP HOLES @ 36" O.C.
CONTINUOUS BUTYL SEALANT
BASE EXTRUSION
CONTINUOUS URETHANE SEALANT
CONTINUOUS BASE ATTACHMENT (NOT BY PANEL MANUFACTURER)
CONC. FASTENERS (NOT BY PANEL MANUFACTURER)
MATCH PANEL THICKNESS
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.
BASE EXTRUSION

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

CONTINUOUS BUTYL SEALANT
MARRIAGE BEAD

NOTE:
GAP BASE EXTRUSION AT VERTICAL JOINTS

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

ARCHITECTURAL
BASE - NOTCHED SLAB W/EXTRUSION - ISO
AR-CF-BE-04-
ISO
DATE: Jul '19
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)

ARCHITECTURAL
BASE - OVERHANG W/EXTRUSION
AR-CF-BE-05
DATE: Jul '19
MENDING PLATE
CONTINUOUS BUTYL SEALANT WITH MARRIAGE BEAD TO HORIZONTAL PANEL JOINT SEALANT
CONTINUOUS BUTYL SEALANT
CONTINUOUS BASE EXTRUSION
5" MIN.
CONTINUOUS URETHANE SEALANT
FIELD DRILL 3/8" Ø MIN., WEEP HOLES @ 36" O.C.
1/4" PANCAKE STITCH FASTENER @ 24" O.C. MAXIMUM
1/8" Ø RIVETS
NOTE:
GAP BASE EXTRUSION AT VERTICAL JOINTS

MARRIAGE BEAD
MENDING PLATE
CONTINUOUS BUTYL SEALANT WITH MARRIAGE BEAD TO HORIZONTAL PANEL JOINT SEALANT
CONTINUOUS BUTYL SEALANT
ARCHITECTURAL

OUTSIDE CORNER - (MITERED) W/TRIM

AR-CF-CE-02

DATE: Jul '19

1/8" Ø RIVETS @ 8" O.C.
1/4" HWH FASTENERS

CONTINUOUS BUTYL SEALANT WITH MARRIAGE BEAD TO HORIZONTAL PANEL JOINT SEALANT

FIELD MITER PANELS (NOT BY PANEL MANUFACTURER)
F.I.P. INSULATION (NOT BY PANEL MANUFACTURER)

14 GA. PANEL CLIP
CONTINUOUS BUTYL SEALANT

SUPPORT
INTERIOR CORNER TRIM

EXTERIOR CORNER TRIM

CONTINUOUS BUTYL SEALANT
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

COVER PLATE REQUIRED
WHEN PANEL HAS A REVEAL

MAXIMUM LENGTH: 7.5'
MINIMUM LENGTH: 1'

MAXIMUM LENGTH: 4'
MINIMUM LENGTH: 1'

ARCHITECTURAL
OUTSIDE CORNER - FACTORY FOLDED PANEL
AR-CF-CE-03
DATE: Jul '19
ARCHITECTURAL OUTSIDE CORNER - TWO PIECE EXTRUSION AR-CF-CE-04
DATE: Jul '19

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: Jul '19
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

1/4" Ø RIVETS @ 24" O.C.

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

SUPPORT

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
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

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

ARCHITECTURAL
INSIDE CORNER - W/TWO PIECE CORNER EXTRUSION
AR-CF-CE-07
DATE: Jul '19
ALTERNATE SUPPORT

1/8" Ø RIVETS @ 24" O.C.

14 GA. PANEL CLIP

1/4" HWH FASTENERS

CONTINUOUS URETHANE SEALANT

3/8" MIN. VERTICAL JOINT - W/TRIMLESS ENDS AND GASKET

3/8"

3/8"

3/4"

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

VERTICAL GASKET

CONTINUOUS BUTYL SEALANT WITH MARRIAGE BEAD TO HORIZONTAL PANEL JOINT SEALANT

MENDING PLATE

SEE ELEVATION

SEE ELEVATION

ARCHITECTURAL

DATE: Jul '19

AR-CF-VJ-01

VERTICAL JOINT - W/TRIMLESS ENDS AND GASKET
SUPPORT

1/4" HWH FASTENERS

CONTINUOUS BUTYL SEALANT

14 GA. PANEL CLIP

1/8" Ø RIVETS @ 24" O.C.

CONTINUOUS BUTYL SEALANT
WITH MARRIAGE BEAD TO
HORIZONTAL PANEL JOINT SEALANT

MENDING PLATE

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

BACKER ROD & SEALANT
( NOT BY PANEL MANUFACTURER)

5" MIN.

ALTERNATE SUPPORT

SEE ELEVATION

SEE ELEVATION

ARCHITECTURAL

VERTICAL JOINT - TRIMLESS ENDS AND WET SEAL

AR-CF-VJ-02

DATE: Jul '19
VERTICAL GASKET

5" MIN.

CONTINUOUS BUTYL SEALANT
WITH MARRIAGE BEAD TO
HORIZONTAL PANEL JOINT SEALANT

MENDING PLATE

5" MIN.

TRIMLESS END

BASE SUPPORT AS REQUIRED
(NOT SHOWN FOR CLARITY)

1/8" Ø RIVETS

VERTICAL GASKET

STUD TRACK

MENDING PLATE

CONTINUOUS BUTYL SEALANT
WITH MARRIAGE BEAD TO
HORIZONTAL PANEL JOINT SEALANT

ARCHITECTURAL

VERTICAL JOINT -
RUNNING BOND PATTERN

AR-CF-VJ-04

DATE: Jul '19
VERTICAL JOINT - RUNNING BOND SEALANTS
NOTE: FIELD CUT BACK OF EPDM GASKET AT EXTERIOR MALE LEG

NOTE: FILL CAVITY BETWEEN JOINTS WITH URETHANE SEALANT
BASE TRIM
CONTINUOUS BUTYL SEALANT
CONTINUOUS Z SUPPORT
CONTINUOUS BUTYL SEALANT
1/4" HWH FASTENER @ 24" O.C. MAXIMUM
CONTINUOUS PERIMETER SEALANT
(Not by panel manufacturer)
INSULATION AS REQUIRED
(Not by panel manufacturer)
SUPPORT
WINDOW/LOUVER/FRAMING
(Not by panel manufacturer)

ARCHITECTURAL
FRAMED OPENING HEAD - W/DRIP EDGE TRIM
AR-CF-HD-01
DATE: Jul '19
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 PERIMETER SEALANT (NOT BY PANEL MANUFACTURER)

SUPPORT

INSULATION AS REQUIRED (NOT BY PANEL MANUFACTURER)

WINDOW/LOUVER/FRAMING (NOT BY PANEL MANUFACTURER)

ARCHITECTURAL
FRAMED OPENING HEAD - EXTRUSION
AR-CF-HD-03
DATE: Jul '19
连续丁基密封剂

连续聚氨酯密封剂

连续边框密封剂

（非由面板制造商提供）

框架开口

（非由面板制造商提供）

挡风橡皮

连续丁基密封剂

1/4"薄饼固定

1/4"薄饼缝合固定

@ 24” O.C. 最大

支持

连续边框密封剂

（非由面板制造商提供）

窗户/百叶窗/框架

（非由面板制造商提供）

OH门 - 头部包裹

框架开口头 - 脱

模块带两件型材

建筑

AR-CF-HD-04

日期：Jul '19

METLSPAN

A Division of NCI Group, Inc.
OH DOOR - JAMB WRAP

1/8" Ø RIVET @ 24" 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 BUTYL SEALANT

1/8" Ø RIVET @ 8" O.C.

CONTINUOUS URETHANE SEALANT

INTERIOR JAMB TRIM

1/8" Ø RIVET @ 8" O.C.

CONTINUOUS BUTYL SEALANT

EXTERIOR JAMB TRIM

SUPPORT

WINDOW/LOUVER/FRAMING (NOT BY PANEL MANUFACTURER)

INSULATION AS REQUIRED (NOT BY PANEL MANUFACTURER)

FASTENER (NOT BY PANEL MANUFACTURER)

FRAMED OPENING (NOT BY PANEL MANUFACTURER)

CONTINUOUS BUTYL SEALANT

CONTINUOUS BUTYL SEALANT
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

CONTINUOUS PERIMETER SEALANT
(NOT BY PANEL MANUFACTURER)

CONTINUOUS URETHANE SEALANT

JAMB TRIM
(MINIMUM 22 GAUGE)

VERTICAL GASKET

TRIMLESS END

1/8" Ø RIVET
@ 20" O.C.

1/8" Ø RIVET
@ 24" O.C.

1/4" HWH FASTENERS

SUPPORT

WINDOW/LOUVER/FRAMING
(NOT BY PANEL MANUFACTURER)

ARCHITECTURAL
FRAMED OPENING JAMB - TRIMLESS END W/GASKETED REVEAL
AR-CF-JB-02
DATE: Jul '19
CONTINUOUS BUTYL SEALANT
WITH MARRIAGE BEAD TO
HORIZONTAL PANEL JOINT SEALANT

CONTINUOUS BUTYL SEALANT
1/4" HWH FASTENERS

CONTINUOUS BUTYL SEALANT
1/8" Ø RIVET @ 20" O.C.

CONTINUOUS URETHANE SEALANT
1/8" Ø RIVET @ 8" O.C.

CONTINUOUS PERIMETER SEALANT
(NOT BY PANEL MANUFACTURER)

CONTINUOUS BUTYL SEALANT
SUPPORT

INSULATION AS REQUIRED
(NOT BY PANEL MANUFACTURER)

WINDOW/LOUVER/FRAMING
(NOT BY PANEL MANUFACTURER)

14 GA. PANEL CLIP
WINDOW/LOUVER/FRAMING
(SUPPORT)
INSULATION AS REQUIRED
(CONTINUOUS PERIMETER SEALANT)
CONTINUOUS URETHANE SEALANT
FEMALE JAMB EXTRUSION
CONTINUOUS BUTYL SEALANT
WIPER GASKET
1/4" HWH FASTENERS
14 GA. PANEL CLIP
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
14 GA. PANEL CLIP
CONTINUOUS BUTYL SEALANT
1/4" HWH FASTENERS
WIPER GASKET
ARCHITECTURAL
FRAMED OPENING JAMB - W/TWO PIECE EXTRUSION
AR-CF-JB-04
DATE: Jul '19
SILL TRIM

CONTINUOUS SEALANT TAPE

WINDOW/LOUVER/FRAMING (NOT BY PANEL MANUFACTURER)

CONTINUOUS PERIMETER SEALANT (NOT BY PANEL MANUFACTURER)

SILL CLEAT

1/4" PANCAKE FASTENER

1/8" Ø RIVET @ 20" O.C.

CONTINUOUS BUTYL SEALANT

INSULATION AS REQUIRED (NOT BY PANEL MANUFACTURER)

ARCHITECTURAL

FRAMED OPENING SILL - OFF MODULE W/TRIM

AR-CF-SL-02

DATE: Jul '19
WINDOW/LOUVER/FRAMING
(NOT BY PANEL MANUFACTURER)

CONTINUOUS PERIMETER SEALANT
(NOT BY PANEL MANUFACTURER)

SUPPORT

INSULATION AS REQUIRED
(NOT BY PANEL MANUFACTURER)

CONTINUOUS BUTYL SEALANT

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

CONTINUOUS BUTYL SEALANT

SILL EXTRUSION

1/4" PANCAKE FASTENER

WIPER GASKET

ARCHITECTURAL
FRAMED OPENING SILL - OFF MODULE W/EXTRUSION

AR-CF-SL-03
DATE: Jul '19
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

SUPPORT

CONTINUOUS BUTYL SEALANT

1/8" Ø RIVET @ 24" O.C.

INSULATION AS REQUIRED
(NOT BY PANEL MANUFACTURER)

HEADER TRIM

1/8" Ø RIVET @ 12" O.C.

1/4" PANCAKE FASTENER

HEADER TRIM

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

1/8" Ø RIVET
@ 20" O.C.

CONTINUOUS BUTYL SEALANT

1/8" Ø RIVET
@ 8" O.C.

JAMB TRIM

14 GA. PANEL CLIP

1/4" HWH FASTENERS

WINDOW/LOUVERS/FRAMING
(NOT BY PANEL MANUFACTURER)

BACKER ROD & SEALANT
(NOT BY PANEL MANUFACTURER)

CONTINUOUS BUTYL SEALANT

ARCHITECTURAL

STOREFRONT JAMB - W/TRIM

AR-CF-JB-05
DATE: Jul '19
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
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
PANEL REVEAL
CONTINUOUS BEAD OF BUTYL SEALANT
CONTINUOUS SUPPORT (NOT BY PANEL MANUFACTURER)
FIELD DRILL 3/8" Ø MIN. WEEP HOLES @ 24" O.C.

1" INSULATED GLASS (NOT BY PANEL MANUFACTURER)
THERMALLY BROKEN SILL EXTRUSION
SNAP COVER
1/4" HWH FASTENERS
CONTINUOUS BEAD OF BUTYL SEALANT

ARCHITECTURAL
METL-VISION - SILL
AR-CF-AS-03
DATE: Jul '19
1" INSULATED GLASS (NOT BY PANEL MANUFACTURER)

THERMALLY BROKEN SILL EXTRUSION

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

3 1/2" PANEL REVEAL

CONTINUOUS BUTYL SEALANT

CONTINUOUS BUTYL SEALANT

CONTINUOUS SUPPORT (NOT BY PANEL MANUFACTURER)

SNAP COVER
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

3⅛"

SHEAR BLOCK & FASTENER AT
JAMBS OR INTERMEDIATE VERTICAL MULLIONS

SNAP COVER

ARCHITECTURAL

METL-VISION - INTERMEDIATE HORIZ. MULLION

AR-CF-AS-05

DATE: Jul '19
CONTINUOUS BUTYL SEALANT

3/4"

3"

1/8" Ø RIVET
@ 20" O.C.

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)

26 GA. CLOSURE TRIM
(INCLUDED IN WINDOW
PACKAGE)

1/8" Ø RIVET

VERTICAL GASKET

ARCHITECTURAL

METL-VISION -
JAMB W/GASKET

AR-CF-AS-06

DATE: Jul '19
SNAP COVER

SHEAR BLOCK & FASTENER AT JAMBS OR INTERMEDIATE VERTICAL MULLIONS

1" INSULATED GLASS (NOT BY PANEL MANUFACTURER)

THERMALLY BROKEN SILL EXTRUSION
CONTINUOUS BUTYL SEALANT

CONTINUOUS BUTYL SEALANT
WITH MARRIAGE BEAD TO
HORIZONTAL PANEL JOINT SEALANT

14 GA. PANEL CLIP

SNAP COVER

SHEAR BLOCK & FASTENER AT
JAMBS OR INTERMEDIATE VERTICAL
MULLIONS

1/8" Ø RIVET
@ 20" O.C.

1 1/8" INSULATED GLASS
(NOT BY PANEL
MANUFACTURER)

26 GA. CLOSURE TRIM
(INCLUDED IN WINDOW
PACKAGE)

1/8" Ø RIVET

WET SEAL
(NOT BY PANEL
MANUFACTURER)

TRIMLESS END

1/4" HWH FASTENERS

ARCHITECTURAL

METL-VISION -
JAMB W/WET SEAL

DATE: Jul '19

AR-CF-AS-08
CONTINUOUS BUTYL SEALANT
FIELD DRILL 3/8" Ø MIN. WEEP HOLES @ 36" O.C.
BASE/SOFFIT EXTRUSION
CONTINUOUS BUTYL SEALANT
1/4" HWH FASTENERS
14 GA. PANEL CLIP
CONTINUOUS BUTYL SEALANT
WITH MARRIAGE BEAD TO HORIZONTAL PANEL JOINT SEALANT
SUPPORT
MINIMUM 4# DENSITY MINERAL FIBER (NOT BY PANEL MANUFACTURER)
INSULATION AS REQUIRED (NOT BY PANEL MANUFACTURER)
1/4" PANCAKE STITCH FASTENER @ 24" O.C. MAXIMUM
CONTINUOUS BUTYL SEALANT
1/4" HWH FASTENER @ 24" O.C. MAXIMUM
CONTINUOUS BUTYL SEALANT
FIELD DRILL 3/8" Ø MIN. WEEP HOLES @ 36" O.C.
BASE/SOFFIT EXTRUSION
SOFFIT REVEAL EXTRUSION

ARCHITECTURAL
SOFFIT - W/REVEAL, EXTRUSIONS
AR-CF-SO-01
DATE: Jul '19
PARAPET BLOCKING (NOT BY PANEL MANUFACTURER)

ROOF MEMBRANE & PARAPET CAP (NOT BY PANEL MANUFACTURER)

PARAPET BLOCKING (NOT BY PANEL MANUFACTURER)

1/4" PANCAKE FASTENER

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

SUPPORT

CONTINUOUS BUTYL SEALANT

FASTENER (NOT BY PANEL MANUFACTURER)
ROOF MEMBRANE & PARAPET CAP
(NOT BY PANEL MANUFACTURER)

PARAPET BLOCKING
(NOT BY PANEL MANUFACTURER)

14 GA. PANEL CLIP

1/4" HWH FASTENERS

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

SUPPORT

CONTINUOUS
BUTYL SEALANT

FASTENER
(NOT BY PANEL MANUFACTURER)
1/4" PANCAKE FASTENER

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)

FASTENER
(NOT BY PANEL MANUFACTURER)

SUPPORT

CONTINUOUS BUTYL SEALANT
8" LONG SPLICE TRIM

(2) BEADS BUTYL SEALANT

NOTE:
LEAVE 1/4" GAP BETWEEN PARAPET TRIMS FOR EXPANSION/CONTRACTION
(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 - BASE AR-CF-EL-02
DATE: Jul '19
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: Jul '19
(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 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
NOTE:
FASTEN LAP WITH COLOR MATCHED POP RIVETS AS NECESSARY

(2) BEADS BUTYL SEALANT

(2) BEADS BUTYL SEALANT

ARCHITECTURAL  MENDING PLATE SHINGLE LAP  AR-CF-EL-07
DATE: Jul '19
4" BASE/HEAD EXTRUSION [9475ANC]

TOP HAT EXTRUSION [9447ANC]

FLUSH INSERT [9448ANC]

RECESSED INSERT [9449ANC]

EPDM GASKET [7709NBK]

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

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

SOFFIT REVEAL EXTRUSION [9476ANC]

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

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

REVERSE EXTRUSIONS FOR INSIDE CORNER CONDITIONS

4" PARAPET EXTRUSION [9428ANC]

4" SILL EXTRUSION [9412ANC]

NOTE: REVERSE EXTRUSIONS FOR INSIDE CORNER CONDITIONS

DATE: Jul '19
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

ARCHITECTURAL  LAP STRIPS  AR-CF-LS-03
DATE: Jul '19
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

PANEL CUTOUT
(EXTEND AS A SLOT TO THE PANEL EDGE)

WALL SUPPORT

EXISTING PENETRANT

EXPANDABLE FOAM
(NOT BY PANEL MANUFACTURER)

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

ARCHITECTURAL  PIPE PENETRATION - NOTCHED PANEL  AR-CF-PEN-02

DATE: Jul '19
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)

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

NOTE:
FILL CAVITY BETWEEN JOINTS WITH URETHANE SEALANT
FILLER INSULATION

PANEL CUTOUT (AT PANEL JOINT)

PANEL CUTOUT (AT CENTER OF PANEL)

WALL SUPPORT

WALL PANEL

STRUCTURAL

PANEL CUTOUT

PANEL CLIP

EXPANDABLE FOAM (NOT BY PANEL MANUFACTURER)

FILLER INSULATION

ARCHITECTURAL

BEAM PENETRATION

DATE: Jul '19
Pennetration Perimeter Seal

Right Cover Trim Installation

Exposed Sealant 3/8" min. fillet (not by panel manufacturer)

Penetration Perimeter Seal

Architectural Beam Penetration - Flashing

DATE: Jul '19

METLSPAN
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