<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AR-CF-JT-01</td>
<td>PANELS - FLAT</td>
</tr>
<tr>
<td>AR-CF-JT-02</td>
<td>PANELS - PROFILED</td>
</tr>
<tr>
<td>AR-CF-JT-03</td>
<td>CF PANEL JOINT - ARCHITECTURAL FLAT</td>
</tr>
<tr>
<td>AR-CF-JT-04</td>
<td>CF PANEL JOINT - SANTA FE</td>
</tr>
<tr>
<td>AR-CF-JT-05</td>
<td>CF PANEL JOINT - TUFF-CAST, TUFFWALL</td>
</tr>
<tr>
<td>AR-CF-JT-06</td>
<td>CF PANEL JOINT - STRIATED</td>
</tr>
<tr>
<td>AR-CF-JT-07</td>
<td>CF PANEL JOINT - LT MESA</td>
</tr>
<tr>
<td>AR-CF-JT-08</td>
<td>ATTACHMENT - SIDE JOINT - STUD WALL</td>
</tr>
<tr>
<td>AR-CF-JT-09</td>
<td>ATTACHMENT - SIDE JOINT - TUBE STEEL</td>
</tr>
<tr>
<td>AR-CF-FSTN-01</td>
<td>FASTENING PATTERN</td>
</tr>
<tr>
<td>AR-CF-FSTN-02</td>
<td>ATTACHMENT - INTERMEDIATE SUPPORT</td>
</tr>
<tr>
<td>AR-CF-BE-01</td>
<td>BASE - FLUSH W/TRIM</td>
</tr>
<tr>
<td>AR-CF-BE-01-A</td>
<td>BASE - FLUSH W/TRIM</td>
</tr>
<tr>
<td>AR-CF-BE-01-ISO</td>
<td>BASE - FLUSH W/TRIM - ISO</td>
</tr>
<tr>
<td>AR-CF-BE-02</td>
<td>BASE - FLUSH W/GALVANIZED CEE</td>
</tr>
<tr>
<td>AR-CF-BE-02-A</td>
<td>BASE - FLUSH W/GALVANIZED ZEE</td>
</tr>
<tr>
<td>AR-CF-BE-02-ISO</td>
<td>BASE - FLUSH W/GALVANIZED CEE - ISO</td>
</tr>
<tr>
<td>AR-CF-BE-03</td>
<td>BASE - AT FLOOR W/EXTRUSION</td>
</tr>
<tr>
<td>AR-CF-BE-03-A</td>
<td>BASE - AT FLOOR W/EXTRUSION</td>
</tr>
<tr>
<td>AR-CF-BE-03-ISO</td>
<td>BASE - AT FLOOR W/EXTRUSION - ISO</td>
</tr>
<tr>
<td>AR-CF-BE-04</td>
<td>BASE - NOTCHED SLAB W/EXTRUSION</td>
</tr>
<tr>
<td>AR-CF-BE-04-A</td>
<td>Base - NOTCHED SLAB W/EXTRUSION</td>
</tr>
<tr>
<td>AR-CF-BE-04-ISO</td>
<td>BASE - NOTCHED SLAB W/EXTRUSION - ISO</td>
</tr>
<tr>
<td>AR-CF-BE-05</td>
<td>BASE - OVERHANG W/EXTRUSION</td>
</tr>
<tr>
<td>AR-CF-BE-05-A</td>
<td>BASE - OVERHANG W/EXTRUSION</td>
</tr>
<tr>
<td>AR-CF-CE-01</td>
<td>OUTSIDE CORNER - W/TRIM</td>
</tr>
<tr>
<td>AR-CF-CE-01-A</td>
<td>OUTSIDE CORNER - W/TRIM</td>
</tr>
<tr>
<td>AR-CF-CE-02</td>
<td>OUTSIDE CORNER - (MITERED) W/TRIM</td>
</tr>
<tr>
<td>AR-CF-CE-02-A</td>
<td>OUTSIDE CORNER - (MITERED) W/TRIM</td>
</tr>
<tr>
<td>AR-CF-CE-03</td>
<td>OUTSIDE CORNER - FACTORY FOLDED PANEL</td>
</tr>
<tr>
<td>AR-CF-CE-03-A</td>
<td>OUTSIDE CORNER - FACTORY FOLDED PANEL</td>
</tr>
<tr>
<td>AR-CF-CE-04</td>
<td>OUTSIDE CORNER - TWO PIECE EXTRUSION</td>
</tr>
<tr>
<td>AR-CF-CE-04-A</td>
<td>OUTSIDE CORNER - TWO PIECE EXTRUSION</td>
</tr>
<tr>
<td>AR-CF-CE-05</td>
<td>INSIDE CORNER - TRIM</td>
</tr>
<tr>
<td>AR-CF-CE-05-A</td>
<td>INSIDE CORNER - TRIM</td>
</tr>
<tr>
<td>AR-CF-CE-06</td>
<td>INSIDE CORNER - TRIM</td>
</tr>
<tr>
<td>AR-CF-CE-06-A</td>
<td>INSIDE CORNER - TRIM</td>
</tr>
<tr>
<td>AR-CF-CE-06-ISO</td>
<td>INSIDE CORNER - TRIM - ISO</td>
</tr>
<tr>
<td>AR-CF-CE-06</td>
<td>INSIDE CORNER - TRIM</td>
</tr>
<tr>
<td>AR-CF-CE-06-A</td>
<td>INSIDE CORNER - TRIM</td>
</tr>
<tr>
<td>AR-CF-CE-06-ISO</td>
<td>INSIDE CORNER - TRIM - ISO</td>
</tr>
<tr>
<td>Code</td>
<td>Description</td>
</tr>
<tr>
<td>-----------</td>
<td>-------------------------------------------------------</td>
</tr>
<tr>
<td>AR-CF-CE-06-A</td>
<td>INSIDE CORNER - TRIMLESS END W/GASKET</td>
</tr>
<tr>
<td>AR-CF-CE-07</td>
<td>INSIDE CORNER - W/TWO PIECE CORNER EXTRUSION</td>
</tr>
<tr>
<td>AR-CF-CE-07-A</td>
<td>INSIDE CORNER - W/TWO PIECE CORNER EXTRUSION</td>
</tr>
<tr>
<td>AR-CF-VJ-01</td>
<td>VERTICAL JOINT - W/TRIMLESS ENDS AND GASKET</td>
</tr>
<tr>
<td>AR-CF-VJ-01-A</td>
<td>VERTICAL JOINT - W/TRIMLESS ENDS AND GASKET</td>
</tr>
<tr>
<td>AR-CF-VJ-02</td>
<td>VERTICAL JOINT - TRIMLESS ENDS AND WET SEAL</td>
</tr>
<tr>
<td>AR-CF-VJ-02-A</td>
<td>VERTICAL JOINT - TRIMLESS ENDS AND WET SEAL</td>
</tr>
<tr>
<td>AR-CF-VJ-03</td>
<td>VERTICAL JOINT - W/EXTRUSION</td>
</tr>
<tr>
<td>AR-CF-VJ-03-A</td>
<td>VERTICAL JOINT - W/EXTRUSION</td>
</tr>
<tr>
<td>AR-CF-VJ-04</td>
<td>VERTICAL JOINT - RUNNING BOND PATTERN</td>
</tr>
<tr>
<td>AR-CF-VJ-05</td>
<td>VERTICAL JOINT - RUNNING BOND SEALANTS</td>
</tr>
<tr>
<td>AR-CF-VJ-06</td>
<td>VERTICAL JOINT - RUNNING BOND SEALANTS - ISO</td>
</tr>
<tr>
<td>AR-CF-HD-01</td>
<td>FRAMED OPENING HEAD - W/DRIP EDGE TRIM</td>
</tr>
<tr>
<td>AR-CF-HD-01-A</td>
<td>FRAMED OPENING HEAD - W/DRIP EDGE TRIM</td>
</tr>
<tr>
<td>AR-CF-HD-02</td>
<td>FRAMED OPENING HEAD - OFF MODULE W/DRIP EDGE TRIM</td>
</tr>
<tr>
<td>AR-CF-HD-02-A</td>
<td>FRAMED OPENING HEAD - OFF MODULE W/DRIP EDGE TRIM</td>
</tr>
<tr>
<td>AR-CF-HD-03</td>
<td>FRAMED OPENING HEAD - EXTRUSION</td>
</tr>
<tr>
<td>AR-CF-HD-03-A</td>
<td>FRAMED OPENING HEAD - EXTRUSION</td>
</tr>
<tr>
<td>AR-CF-HD-04</td>
<td>FRAMED OPENING HEAD - OFF MODULE W/TWO PIECE EXTRUSION</td>
</tr>
<tr>
<td>AR-CF-HD-04-A</td>
<td>FRAMED OPENING HEAD - OFF MODULE W/TWO PIECE EXTRUSION</td>
</tr>
<tr>
<td>AR-CF-JB-01</td>
<td>FRAMED OPENING JAMB - W/TWO PIECE TRIM</td>
</tr>
<tr>
<td>AR-CF-JB-01-A</td>
<td>FRAMED OPENING JAMB - W/TWO PIECE TRIM</td>
</tr>
<tr>
<td>AR-CF-JB-02</td>
<td>FRAMED OPENING JAMB - TRIMLESS END</td>
</tr>
<tr>
<td>AR-CF-JB-02-A</td>
<td>FRAMED OPENING JAMB - TRIMLESS END</td>
</tr>
<tr>
<td>AR-CF-JB-03</td>
<td>FRAMED OPENING JAMB - W/ONE PIECE TRIM</td>
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<td>AR-CF-JB-03-A</td>
<td>FRAMED OPENING JAMB - W/ONE PIECE TRIM</td>
</tr>
<tr>
<td>AR-CF-JB-04</td>
<td>FRAMED OPENING JAMB - W/TWO PIECE EXTRUSION</td>
</tr>
<tr>
<td>AR-CF-JB-04-A</td>
<td>FRAMED OPENING JAMB - W/TWO PIECE EXTRUSION</td>
</tr>
<tr>
<td>AR-CF-SL-02</td>
<td>FRAMED OPENING SILL - OFF MODULE W/TRIM</td>
</tr>
<tr>
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<td>FRAMED OPENING SILL - OFF MODULE W/TRIM</td>
</tr>
<tr>
<td>AR-CF-SL-03</td>
<td>FRAMED OPENING SILL - OFF MODULE W/EXTRUSION</td>
</tr>
<tr>
<td>AR-CF-SL-03-A</td>
<td>FRAMED OPENING SILL - OFF MODULE W/EXTRUSION</td>
</tr>
<tr>
<td>AR-CF-HD-05</td>
<td>STOREFRONT HEAD - OFF MODULE</td>
</tr>
<tr>
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<td>STOREFRONT HEAD - OFF MODULE</td>
</tr>
<tr>
<td>AR-CF-JB-05</td>
<td>STOREFRONT JAMB - W/TRIM</td>
</tr>
<tr>
<td>AR-CF-JB-05-A</td>
<td>STOREFRONT JAMB - W/TRIM</td>
</tr>
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<td>Code</td>
<td>Description</td>
</tr>
<tr>
<td>------------</td>
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<tr>
<td>AR-CF-AS-01</td>
<td>TRIM ASSEMBLY - FRAMED OPENING</td>
</tr>
<tr>
<td>AR-CF-AS-02</td>
<td>EXTRUSION ASSEMBLY - FRAMED OPENINGS</td>
</tr>
<tr>
<td>AR-CF-AS-03</td>
<td>METL-VISION - SILL</td>
</tr>
<tr>
<td>AR-CF-AS-04</td>
<td>METL-VISION - HEAD</td>
</tr>
<tr>
<td>AR-CF-AS-05</td>
<td>METL-VISION - INTERMEDIATE HORIZ. MULLION</td>
</tr>
<tr>
<td>AR-CF-AS-06</td>
<td>METL-VISION - JAMB W/GASKET</td>
</tr>
<tr>
<td>AR-CF-AS-07</td>
<td>METL-VISION - INTERMEDIATE VERT. MULLION</td>
</tr>
<tr>
<td>AR-CF-AS-08</td>
<td>METL-VISION - JAMB W/WET SEAL</td>
</tr>
<tr>
<td>AR-CF-SO-01</td>
<td>SOFFIT - W/REVEAL EXTRUSIONS</td>
</tr>
<tr>
<td>AR-CF-SO-01-A</td>
<td>SOFFIT - W/REVEAL EXTRUSIONS</td>
</tr>
<tr>
<td>AR-CF-SO-02</td>
<td>SOFFIT - TRIMLESS ENDS ON SOFFIT PANELS W/WET SEAL</td>
</tr>
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<td>SOFFIT - TRIMLESS ENDS ON SOFFIT PANELS W/WET SEAL</td>
</tr>
<tr>
<td>AR-CF-PT-01</td>
<td>PARAPET (SUPPORTED) - OFF MODULE W/TRIM</td>
</tr>
<tr>
<td>AR-CF-PT-01-A</td>
<td>PARAPET (SUPPORTED) - OFF MODULE W/TRIM</td>
</tr>
<tr>
<td>AR-CF-PT-02</td>
<td>PARAPET (SUPPORTED) - W/TRIM</td>
</tr>
<tr>
<td>AR-CF-PT-02-A</td>
<td>PARAPET (SUPPORTED) - W/TRIM</td>
</tr>
<tr>
<td>AR-CF-PT-03</td>
<td>PARAPET (SUPPORTED) - OFF MODULE W/EXTRUSION</td>
</tr>
<tr>
<td>AR-CF-PT-03-A</td>
<td>PARAPET (SUPPORTED) - OFF MODULE W/EXTRUSION</td>
</tr>
<tr>
<td>AR-CF-EL-01</td>
<td>PARAPET - LAP STRIP INSTALLATION</td>
</tr>
<tr>
<td>AR-CF-EL-02</td>
<td>TRIM END LAP - BASE</td>
</tr>
<tr>
<td>AR-CF-EL-03</td>
<td>TRIM END LAP - INTERIOR CORNER</td>
</tr>
<tr>
<td>AR-CF-EL-04</td>
<td>TRIM END LAP - EXTERIOR CORNER</td>
</tr>
<tr>
<td>AR-CF-EL-05</td>
<td>TRIM END LAP - SILL</td>
</tr>
<tr>
<td>AR-CF-EL-06</td>
<td>TRIM END LAP - TWO PIECE JAMBS</td>
</tr>
<tr>
<td>AR-CF-EL-07</td>
<td>MENDING PLATE SHINGLE LAP</td>
</tr>
<tr>
<td>AR-CF-2-EXT</td>
<td>2&quot; EXTRUSIONS</td>
</tr>
<tr>
<td>AR-CF-2.5-EXT</td>
<td>2.5&quot; EXTRUSIONS</td>
</tr>
<tr>
<td>AR-CF-3-EXT</td>
<td>3&quot; EXTRUSIONS</td>
</tr>
<tr>
<td>AR-CF-4-EXT</td>
<td>4&quot; EXTRUSIONS</td>
</tr>
<tr>
<td>AR-CF-LS-01</td>
<td>LAP STRIPS</td>
</tr>
<tr>
<td>AR-CF-LS-02</td>
<td>LAP STRIPS</td>
</tr>
<tr>
<td>AR-CF-LS-03</td>
<td>LAP STRIPS</td>
</tr>
<tr>
<td>AR-CF-PEN-01</td>
<td>PIPE PENETRATION - FIELD OF PANEL</td>
</tr>
<tr>
<td>AR-CF-PEN-02</td>
<td>PIPE PENETRATION - NOTCHED PANEL</td>
</tr>
<tr>
<td>AR-CF-PEN-03</td>
<td>PIPE PENETRATION - AT PANEL JOINT</td>
</tr>
<tr>
<td>AR-CF-PEN-04</td>
<td>PIPE PENETRATION - FLASHING</td>
</tr>
<tr>
<td>AR-CF-PEN-05</td>
<td>PIPE PENETRATION - FLASHING</td>
</tr>
<tr>
<td>AR-CF-PEN-06</td>
<td>BEAM PENETRATION</td>
</tr>
<tr>
<td>AR-CF-PEN-07</td>
<td>BEAM PENETRATION - FLASHING</td>
</tr>
</tbody>
</table>
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.
CF-36A, CF-30A, CF-24A
ARCHITECTURAL FLAT/
LIGHT MESA

CF-36, CF-42, CF-30, CF-24
SANTA FE/
LIGHT MESA

CF-36, CF-42
TUFF-CAST, TUFF-WALL/
LIGHT MESA

2’, 2 1/2’, 3’ AND 4’
THICKNESS

2”, 2 1/2”, 3” AND 4”
THICKNESS

2”, 2 1/2”, 3”, 4”, 5” AND 6”
THICKNESS

DATE: Jul ’19
CF-42, CF-36, CF-30, CF-24
STRIATED/
LIGHT MESA

2'-6" [30"], 3'-0" [36"], 3'-6" [42"] WIDTH
2", 2 1/2", 3", 4", 5" AND 6" THICKNESS

CF-42, CF-36, CF-30
LIGHT MESA/
LIGHT MESA

2'-0" [24"], 2'-6" [30"], 3'-0" [36"] WIDTH
2", 2 1/2", 2 3/4", 3", 4", 5" AND 6" THICKNESS

DATE: Jul '19
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.
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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CONSULT METL-SPAN TO DETERMINE ALLOWABLE LOAD AND SPACING OF ATTACHMENT FASTENERS.

CONTINUOUS BUTYL SEALANT

1/4" HWH FASTENERS

14 GA. PANEL CLIP

ARCHITECTURAL

CF PANEL JOINT -
LT MESA

AR-CF-JT-07
DATE: Jul '19
1/4" HWH FASTENERS

INTERIOR FACE

WALL SUPPORT

EXTERIOR FACE

SUPPORT

1/4" HWH FASTENERS

14 GA. PANEL CLIP

PANEL CLIP
@ EACH WALL SUPPORT

WALL SUPPORT

ARCHITECTURAL

ATTACHMENT - SIDE JOINT - STUD WALL

AR-CF-JT-08
DATE: Jul '19
(FP1)

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

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

DATE: Jul '19

ARCHITECTURAL
BASE - FLUSH W/TRIM
AR-CF-BE-01
MENDING PLATE
CONTINUOUS BUTYL SEALANT
WITH MARRIAGE BEAD TO
HORIZONTAL PANEL JOINT SEALANT

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

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

MARRIAGE BEAD
CONTINUOUS BUTYL SEALANT
CONTINUOUS URETHANE SEALANT
1/8" Ø RIVETS
NOTE: GAP BASE TRIM AT VERTICAL JOINTS

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.

CONTINUOUS BASE ATTACHMENT
(NOT BY PANEL MANUFACTURER)

CONC. FASTENERS
(NOT BY PANEL MANUFACTURER)

BASE - FLUSH W/GALVANIZED CEE

ARCHITECTURAL

AR-CF-BE-02
DATE: Jul '19
MENDING PLATE

CONTINUOUS BUTYL SEALANT WITH MARRIAGE BEAD TO HORIZONTAL PANEL JOINT SEALANT

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

GALVANIZED CEE

NOTE:
GAP BASE CEE AT VERTICAL JOINTS

MARRIAGE BEAD

MENDING PLATE

1/8" Ø RIVETS

CONTINUOUS BUTYL SEALANT

CONTINUOUS BUTYL SEALANT

CONTINUOUS URETHANE SEALANT

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

ARCHITECTURAL

BASE - FLUSH W/GALVANIZED CEE - ISO

AR-CF-BE-02-

ISO

DATE: Jul '19
FIELD DRILL 3/8” Ø MIN.
WEEP HOLES
@ 36” O.C.

BASE EXTRUSION

CONTINUOUS BUTYL SEALANT

CONTINUOUS BUTYL 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)
CONTINUOUS BUTYL SEALANT
WITH MARRIAGE BEAD TO
HORIZONTAL PANEL JOINT SEALANT

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

BASE EXTRUSION

CONTINUOUS BUTYL SEALANT

MENDING PLATE

1/8" Ø RIVETS

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

MARRIAGE BEAD

NOTE: FIELD CUT BACK LEG OF EXTRUSION AS SHOWN

CONTINUOUS BUTYL SEALANT

CONTINUOUS URETHANE SEALANT

ARCHITECTURAL
BASE - AT FLOOR W/EXTRUSION - ISO
AR-CF-BE-03- ISO
DATE: Jul '19
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

5" MIN.

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

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 - NOTCHED SLAB W/EXTRUSION - ISO
NOTE: GAP BASE EXTRUSION AT VERTICAL JOINTS

ARCHITECTURAL
BASE - NOTCHED SLAB W/EXTRUSION - ISO
DATE: Jul '19

AR-CF-BE-04-ISO
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

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

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

1/8" Ø RIVETS

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

MARRIAGE BEAD

NOTE:
GAP BASE EXTRUSION AT VERTICAL JOINTS

CONTINUOUS BASE EXTRUSION

CONTINUOUS BUTYL SEALANT

CONTINUOUS BUTYL SEALANT

METL-SPAN
A Division of NCI Group, Inc.

ARCHITECTURAL
BASE - OVERHANG W/EXTRUSION - ISO
AR-CF-BE-05-ISO
DATE: Jul '19
1/8" Ø RIVETS @ 8" O.C.  
F.I.P. INSULATION (NOT BY PANEL MANUFACTURER)  
1/4" HWH FASTENERS  
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.  
14 GA. PANEL CLIP  
CONTINUOUS BUTYL SEALANT  
CONTINUOUS BUTYL SEALANT
CONTINUOUS BUTYL SEALANT
14 GA. PANEL CLIP
CONTINUOUS BUTYL SEALANT
1/8" Ø RIVETS @ 8" O.C.
FIELD MITER PANELS (NOT BY PANEL MANUFACTURER)
F.I.P. INSULATION (NOT BY PANEL MANUFACTURER)
INTERIOR CORNER TRIM
SUPPORT
CONTINUOUS BUTYL SEALANT WITH MARRIAGE BEAD TO HORIZONTAL PANEL JOINT SEALANT
OUTSIDE CORNER - (MITERED) W/TRIM
1/8" Ø RIVETS @ 24" O.C.
1/4" HWH FASTENERS
ARCHITECTURAL
OUTSIDE CORNER - (MITERED) W/TRIM
AR-CF-CE-02
DATE: Jul '19
METLSPAN
A Division of NCI Group, Inc.
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: 7.5’ MINIMUM LENGTH: 1’
MAXIMUM LENGTH: 4’ MINIMUM LENGTH: 1’

ARCHITECTURAL
OUTSIDE CORNER - FACTORY FOLDED PANEL
AR-CF-CE-03
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
1/4" HWH FASTENERS
14 GA. PANEL CLIP

INTERIOR CORNER TRIM

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

SUPPORT

1/8" Ø RIVETS
@ 24" O.C.

CONTINUOUS BUTYL SEALANT
WITH MARRIAGE BEAD TO
HORIZONTAL PANEL JOINT SEALANT

1/8" Ø RIVETS
@ 8" O.C.

CONTINUOUS BUTYL SEALANT

EXTERIOR CORNER TRIM

CONTINUOUS BUTYL SEALANT

AR-CF-CE-05
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

1/8" 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

ARCHITECTURAL

INSIDE CORNER - TRIMLESS END W/GASKET

AR-CF-CE-06

DATE: Jul '19
MALE CORNER EXTRUSION

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

CONTINUOUS BUTYL SEALANT
WITH MARRIAGE BEAD TO HORIZONTAL PANEL JOINT SEALANT

SUPPORT

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

FEMALE CORNER EXTRUSION

1/4" HWH FASTENERS

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

5" MIN.

SUPPORT
1/8" Ø RIVETS
@ 24" O.C.
14 GA. PANEL CLIP

CONTINUOUS BUTYL SEALANT
WITH MARRIAGE BEAD TO
HORIZONTAL PANEL JOINT SEALANT

MENDING PLATE

1/4" HWH FASTENERS

CONTINUOUS URETHANE SEALANT

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

VERTICAL GASKET

SEE ELEVATION
**CONTINUOUS BUTYL SEALANT**

WITH MARRIAGE BEAD TO HORIZONTAL PANEL JOINT SEALANT

**1/8" Ø RIVETS**

@ 24" O.C.

**1/4" HWH FASTENERS**

**14 GA. PANEL CLIP**

**MENDING PLATE**

**SUPPORT**

**5" MIN.**

**MINIMUM 4# DENSITY MINERAL FIBER**

(NOT BY PANEL MANUFACTURER)

**CONTINUOUS BUTYL SEALANT**

**BACKER ROD & SEALANT**

(NOT BY PANEL MANUFACTURER)

**VERTICAL JOINT - TRIMLESS ENDS AND WET SEAL**

**ARCHITECTURAL**

**AR-CF-VJ-02**

DATE: Jul '19
1/8" Ø RIVETS @ 24" O.C.

SUPPORT

1/4" HWH FASTENERS

MENDING PLATE

CONTINUOUS BUTYL SEALANT WITH MARRIAGE BEAD TO HORIZONTAL PANEL JOINT SEALANT

1/4" HWH FASTENER

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

TOP HAT JOINT EXTRUSION

CONTINUOUS BUTYL SEALANT

1/4" HWH FASTENERS

WIPER GASKET

EPDM GASKET

ALUMINUM CAP (FLUSH OR REVEAL)

5" MIN.
NOTE:
FIELD CUT BACK OF EPDM GASKET AT EXTERIOR MALE LEG

NOTE:
FILL CAVITY BETWEEN JOINTS WITH URETHANE SEALANT

NOTE:
5" MIN.

VERTICAL JOINT - RUNNING BOND SEALANTS - ISO

ARCHITECTURAL

AR-CF-VJ-06
DATE: Jul '19
CONTINUOUS BUTYL SEALANT
CONTINUOUS Z SUPPORT
CONTINUOUS BUTYL SEALANT
CONTINUOUS PERIMETER SEALANT (NOT BY PANEL MANUFACTURER)
CONTINUOUS URETHANE SEALANT
1/4" HWH FASTENER @ 24" O.C. MAXIMUM
BASE TRIM
INSULATION AS REQUIRED (NOT BY PANEL MANUFACTURER)
SUPPORT
WINDOW/LOUVER/FRAMING (NOT BY PANEL MANUFACTURER)
BASE TRIM

1/8" Ø RIVET @ 12" O.C.

1/4" PANCAKE FASTENER

CONTINUOUS URETHANE SEALANT

FASTENERS (NOT BY PANEL MANUFACTURER)

FRAMED OPENING (NOT BY PANEL MANUFACTURER)

CONTINUOUS BUTYL SEALANT

1/8" Ø RIVET @ 24" O.C.

BASE TRIM

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 PERIMETER 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
(NOT BY PANEL MANUFACTURER)

SUPPORT

INSULATION AS REQUIRED
(NOT BY PANEL MANUFACTURER)

CONTINUOUS PERIMETER SEALANT
(NOT BY PANEL MANUFACTURER)

FASTENER
(NOT BY PANEL MANUFACTURER)

FRAMED OPENING
(NOT BY PANEL MANUFACTURER)

1/8" Ø RIVET
@ 8" O.C.

CONTINUOUS BUTYL SEALANT

1/4" HWH FASTENERS

CONTINUOUS BUTYL SEALANT

1/8" Ø RIVET
@ 8" O.C.

14 GA. PANEL CLIP

CONTINUOUS BUTYL SEALANT
WITH MARRIAGE BEAD TO
HORIZONTAL PANEL JOINT SEALANT

OH DOOR - JAMB WRAP

INTERIOR JAMB TRIM

CONTINUOUS BUTYL SEALANT

1/8" Ø RIVET
@ 24" O.C.

CONTINUOUS URETHANE SEALANT

EXTERIOR JAMB TRIM

1/8" Ø RIVET
@ 8" O.C.

CONTINUOUS BUTYL SEALANT

1/4" HWH FASTENERS

1/8" Ø RIVET
@ 8" O.C.

CONTINUOUS BUTYL SEALANT

CONTINUOUS BUTYL SEALANT

ARCHITECTURAL

FRAMED OPENING JAMB - W/TWO PIECE TRIM

AR-CF-JB-01
DATE: Jul '19
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
JAMB TRIM
(MINIMUM 22 GAUGE)
VERTICAL GASKET
SUPPORT
WINDOW/LOUVER/FRAMING
(NOT BY PANEL MANUFACTURER)
1/8" Ø RIVET
@ 20" O.C.
1/8" Ø RIVET
@ 24" O.C.
CONTINUOUS PERIMETER SEALANT
(NOT BY PANEL MANUFACTURER)
CONTINUOUS URETHANE SEALANT
TRIMLESS END
ARCHITECTURAL
FRAMED OPENING JAMB - TRIMLESS END W/GASKETED REVEAL
AR-CF-JB-02
DATE: Jul '19
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 PERIMETER SEALANT (NOT BY PANEL MANUFACTURER)
CONTINUOUS URETHANE SEALANT
FEMALE JAMB EXTRUSION
MALE JAMB EXTRUSION
CONTINUOUS BUTYL SEALANT

WIPER GASKET
1/4" HWH FASTENERS

FASTENER (NOT BY PANEL MANUFACTURER)
FRAMED OPENING (NOT BY PANEL MANUFACTURER)
INSULATION AS REQUIRED (NOT BY PANEL MANUFACTURER)
SUPPORT
WINDOW/LOUVER/FRAMING (NOT BY PANEL MANUFACTURER)
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

CONTINUOUS SEALANT TAPE

1/8" Ø RIVET @ 20" O.C.

CONTINUOUS BUTYL SEALANT

SUPPORT

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

SILL EXTRUSION
1/4" PANCAKE FASTENER
CONTINUOUS BUTYL SEALANT
WIPER GASKET

#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

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

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.
TRIM INSTALLATION SEQUENCE:

1. INTERIOR JAMB TRIM
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 MANUFACTURER)

FIELD CUT/NOTCH CAP TRIM AT CORNERS TO ALLOW FOR LAP

UReTHANE END DAM

BUTYL SEALANT

FIELD CUT/NOTCH CAP TRIM AT CORNERS TO ALLOW FOR LAP

BUTYL SEALANT

NOTE:
WINDOWS MUST BE RECESSED
EXTRUSION INSTALLATION SEQUENCE:

1. INTERIOR JAMB EXTRUSION
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 SUPPORT (NOT BY PANEL MANUFACTURER)
CONTINUOUS BEAD OF BUTYL SEALANT
FIELD DRILL 3/8" Ø MIN. WEEP HOLES @ 24" O.C.

ARCHITECTURAL
METL-VISION - SILL
AR-CF-AS-03
DATE: Jul '19
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
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: Jul '19
CONTINUOUS BUTYL SEALANT

1/4" HWH FASTENERS

CONTINUOUS BUTYL SEALANT
WITH MARRIAGE BEAD TO HORIZONTAL PANEL JOINT SEALANT

1/8" Ø RIVET @ 20" O.C.

14 GA. PANEL CLIP

CONTINUOUS BUTYL SEALANT

VERTICAL GASKET

1" INSULATED GLASS (NOT BY PANEL MANUFACTURER)

26 GA. CLOSURE TRIM (INCLUDED IN WINDOW PACKAGE)

1/8" Ø RIVET

SNAP COVER

SHEAR BLOCK & FASTENER AT JAMBS OR INTERMEDIATE VERTICAL MULLIONS

TRIMLESS END

METL-VISION - JAMB W/GASKET

DATE: Jul '19
1" INSULATED GLASS (NOT BY PANEL MANUFACTURER)

SNAP COVER

SHEAR BLOCK & FASTENER AT JAMBS OR INTERMEDIATE VERTICAL MULLIONS

THERMALLY BROKEN SILL EXTRUSION
CONTINUOUS BUTYL SEALANT

1/4" HWH FASTENERS

CONTINUOUS BUTYL SEALANT

WITH MARRIAGE BEAD TO
HORIZONTAL PANEL JOINT SEALANT

14 GA. PANEL CLIP

CONTINUOUS BUTYL SEALANT

WET SEAL

(ONLY BY METL-VISION)

1/8" Ø RIVET

@ 20" O.C.

CONTINUOUS URETHANE SEALANT

TRIMLESS END

1/8" Ø RIVET

1" INSULATED GLASS

(NOT BY PANEL
MANUFACTURER)

26 GA. CLOSURE TRIM

(INCLUDED IN WINDOW
PACKAGE)

1/8" Ø RIVET

WET SEAL

(ONLY 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

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

CONTINUOUS BUTYL SEALANT

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

INSULATION AS REQUIRED (NOT BY PANEL MANUFACTURER)

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

CONTINUOUS BUTYL SEALANT WITH MARRIAGE BEAD TO HORIZONTAL PANEL JOINT SEALANT

SUPPORT

ALTERNATE SUPPORT

ANGLE REQUIRED FOR 4" SOFFIT PANELS ONLY (NOT BY PANEL MANUFACTURER)

14 GA. PANEL CLIP

WIPER GASKET

SOFFIT - W/REVEAL, EXTRUSIONS

ARCHITECTURAL

AR-CF-SO-01

DATE: Jul '19
CONTINUOUS BUTYL SEALANT

FIELD DRILL 3/8" Ø MIN. @ 36" O.C.

BASE/SOFFIT EXTRUSION

1/4" HWH FASTENERS

14 GA. PANEL CLIP

COMPRESSIBLE FOAM CLOSURE

INSULATION AS REQUIRED (NOT BY PANEL MANUFACTURER)

CONTINUOUS BUTYL SEALANT WITH MARRIAGE BEAD TO HORIZONTAL PANEL JOINT SEALANT

SUPPORT

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

WEEP HOLES

CONTINUOUS BUTYL SEALANT

1/4" WET SEAL
(NOT BY PANEL MANUFACTURER)

WET SEAL
(NOT BY PANEL MANUFACTURER)

TRIMLESS END

ARCHITECTURAL

SOFFIT - TRIMLESS ENDS ON SOFFIT PANELS W/WET SEAL

AR-CF-SO-02

DATE: Jul '19
PARAPET BLOCKING (NOT BY PANEL MANUFACTURER)

ROOF MEMBRANE & PARAPET CAP (NOT BY PANEL MANUFACTURER)

1/4" PANCAKE FASTENER

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

FASTENER (NOT BY PANEL MANUFACTURER)

SUPPORT

CONTINUOUS BUTYL SEALANT
ARCHITECTURAL
PARAPET (SUPPORTED) - OFF MODULE W/EXTRUSION
AR-CF-PT-03
DATE: Jul '19
(2) BEADS BUTYL SEALANT

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
NOTE:
FASTEN LAP WITH COLOR MATCHED POP RIVETS AS NECESSARY

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

(2) BEADS BUTYL SEALANT
(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
3" BASE/HEAD EXTRUSION [9477ANC]

TOP HAT EXTRUSION [9447ANC]

FLUSH INSERT [9448ANC]

RECESSED INSERT [9449ANC]

EPDM GASKET [7709NBK]

3" HEAD/JAMB EXTRUSION INTERIOR (FEMALE) [9422ANC]

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

SOFFIT REVEAL EXTRUSION [9476ANC]

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

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

3" PARAPET EXTRUSION [9428ANC]

3" SILL EXTRUSION [9413ANC]

NOTE: REVERSE EXTRUSIONS FOR INSIDE CORNER CONDITIONS
4" HEAD/JAMB EXTRUSION
INTERIOR (FEMALE) [9423ANC]

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

4" SILL EXTRUSION [9412ANC]

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

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

4" PARAPET EXTRUSION [9428ANC]

4" SILL EXTRUSION [9412ANC]

NOTE:
REVERSE EXTRUSIONS
FOR INSIDE CORNER
CONDITIONS

EPDM GASKET [7709NBK]

TOP HAT EXTRUSION
[9447ANC]

RECESSED INSERT [9449ANC]

FLUSH INSERT [9448ANC]

SOFFIT REVEAL EXTRUSION [9476ANC]

TOP HAT EXTRUSION
[9447ANC]

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

NOTE:
REVERSE EXTRUSIONS
FOR INSIDE CORNER
CONDITIONS

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

ARCHITECTURAL

4" EXTRUSIONS

AR-CF-4-EXT
DATE: Jul '19
LAP STRIP FOR BASE/HEADER EXTRUSION

LAP STRIP FOR TOP HAT EXTRUSION

LAP STRIP FOR SOFFIT EXTRUSION
LAP STRIPS FOR OUTSIDE CORNER EXTRUSION

LAP STRIPS FOR INSIDE CORNER EXTRUSION

LAP STRIP FOR HEAD/JAMB 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

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

PIPE PENETRATION AFTER WALL IS INSTALLED

EXPANDABLE FOAM
(NOT BY PANEL MANUFACTURER)

WALL SUPPORT

NEW PENETRANT

PANEL JOINT

PANEL CUTOUT
(1/2" MINIMUM CLEARANCE AROUND PENETRANT)
**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
PENETRATION PERIMETER SEAL

RIGHT COVER TRIM INSTALLATION

WALL PANEL
BUTYL SEALANT
RIGHT COVER TRIM

EXPOSED SEALANT
3/8" MIN. FILLET
(NOT BY PANEL MANUFACTURER)

LEFT COVER TRIM INSTALLATION

COVER TRIM LAYOUT

LEFT COVER TRIM

PENETRATION PERIMETER SEAL

RIGHT COVER TRIM INSTALLATION

WALL PANEL
BUTYL SEALANT
RIGHT COVER TRIM

STRUCTURAL
RIVET OR SCREW (TYP.)