

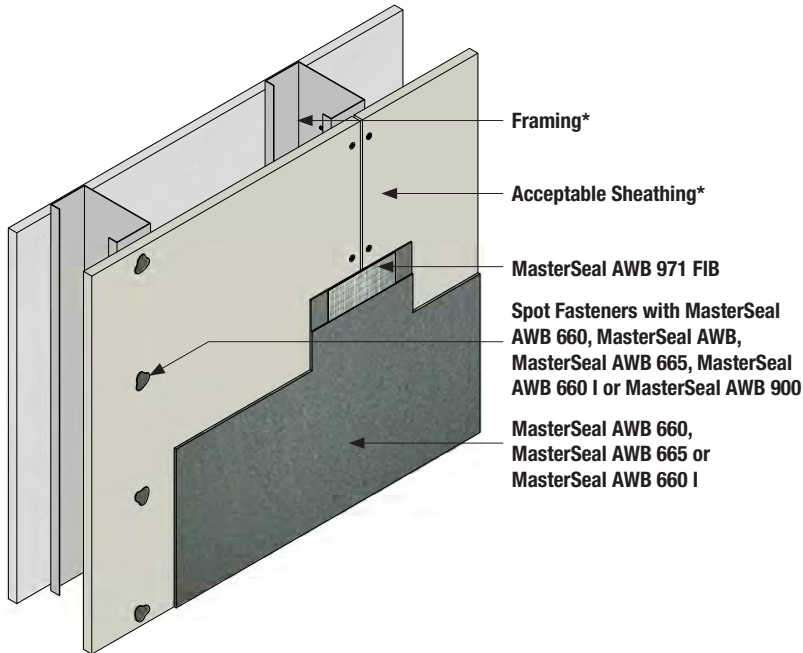
MasterSeal® AWB 660, 665, 660 I

Framed Construction incorporating Fluid-Applied Vapor Permeable and Impermeable Air/Water-Resistive Barriers

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|---|---|
- NOTES:**
- Install BASF materials in accordance with current installation instructions.
 - Unsatisfactory conditions shall be reported to the General Contractor and corrected before the application of MasterSeal AWB products.
 - The details within represent BASF Corporation - Construction Systems (hereinafter BASF Construction Systems) latest recommendations. They are presented in good faith by BASF Construction Systems. The details are subject to change without notice. BASF Construction Systems accepts no liability for the end use of the details. For conditions not shown, consult BASF Construction Systems for review of specific detail.

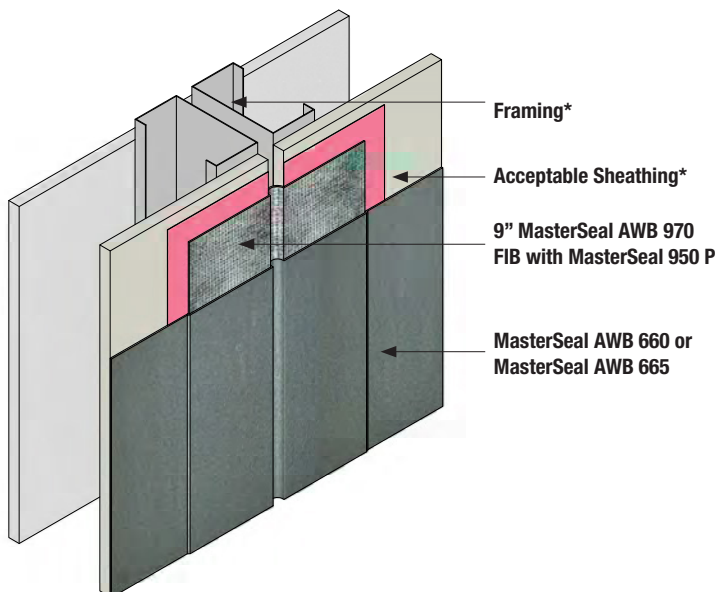
TYPICAL JOINT AND FASTENER TREATMENT



NOTES

- Ensure all fastener heads are spotted with MasterSeal AWB 660 or MasterSeal AWB 665 or MasterSeal AWB 660 I
- Spot all fasteners not at sheathing joints.
- Embed Sheathing Fabric in MasterSeal AWB 660 or MasterSeal AWB 665 or MasterSeal AWB 660 I
- For more information, reference the MasterSeal AWB Application Guidelines for Joint Treatment and Flashing Rough Openings on Framed Construction technical bulletin.

TYPICAL EXPANSION JOINT



NOTES

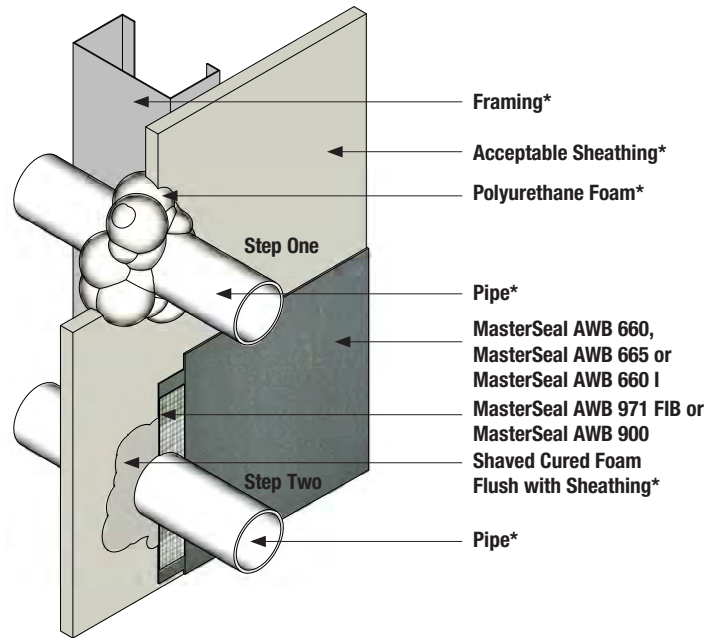
- Provide sufficient slack in the MasterSeal AWB 970 FIB at expansion joint to allow for movement.

* By Others

NOTES

- Ensure spray foam is low expansion.
- Provide backer rod and MasterSeal NP 150 between pipe and cladding (by others).
- Embed Sheathing Fabric in MasterSeal AWB 660, MasterSeal AWB 665 or MasterSeal AWB 660 I

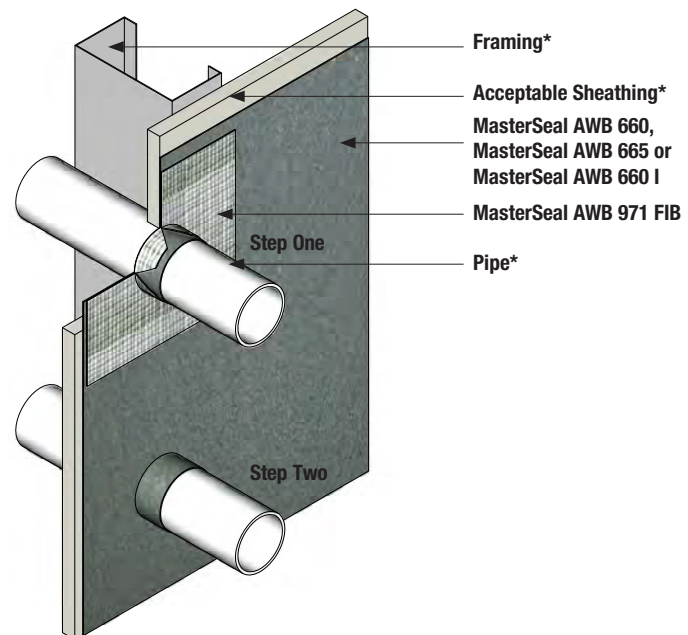
**TYPICAL PENETRATION
 THROUGH WALL CONSTRUCTION (ROUGH CUT)**



NOTES

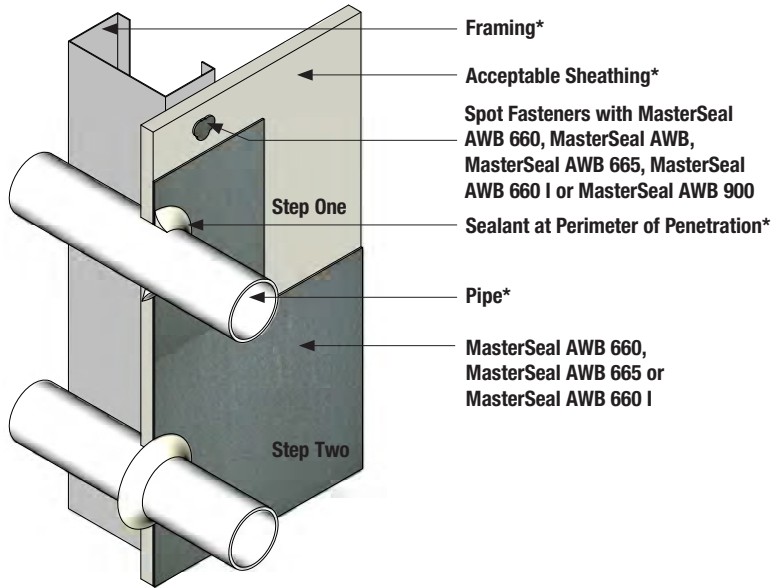
- Cut a square piece of MasterSeal AWB 971 FIB large enough to extend past the pipe by 2" in each direction.
- At the center of the square piece of MasterSeal AWB 971 FIB, pierce a small hole with a blade or scissors.
- With a blade or scissors, cut an "X". Turn the square about 45° and cut another X. The center point of both "X"s will be the point you pierced previously.
- Insert the pipe through the newly cut square so it is centered with a minimum of 2" on each side with the cut flaps point outward. The square should be flush with the sheathing, See Step 1.
- Embed MasterSeal AWB 971 FIB in MasterSeal AWB 660, MasterSeal AWB 665 or MasterSeal AWB 660 I and coat the flaps around the pipe, See Step 2.
- Wrap a 1" strip of MasterSeal AWB 971 FIB embedded in MasterSeal AWB 660, MasterSeal AWB 665 or MasterSeal AWB 660 I around the flaps.

**TYPICAL PENETRATION
 THROUGH WALL CONSTRUCTION (FABRIC ONLY)**



* By Others

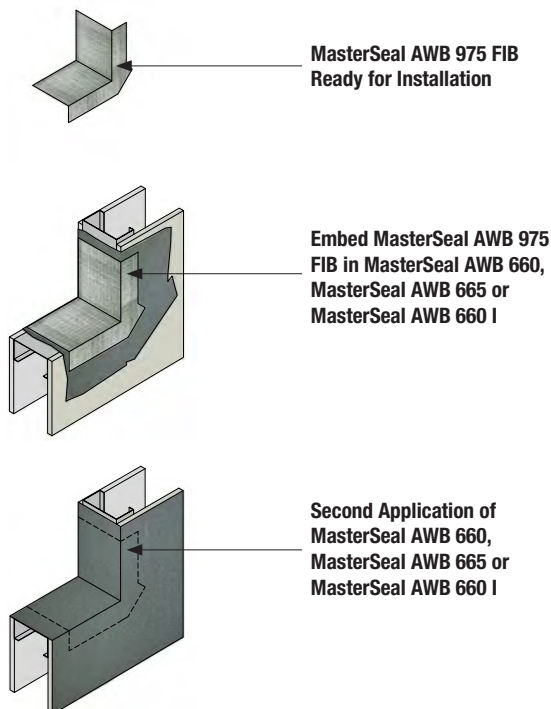
TYPICAL PENETRATION THROUGH WALL CONSTRUCTION (WITH SEALANT)



NOTES

- MasterSeal AWB 660/MasterSeal AWB 665/MasterSeal AWB 660 with MasterSeal AWB 660 I may be used as an alternate to provide an air/water-resistive barrier around penetrations.
- Provide backer rod and MasterSeal NP 150 or Provide backer rod and MasterSeal NP 150, NP 1 or MasterSeal AWB 900 between pipe and cladding (by others).
- Sealant must adhere to both the pipe and sheathing substrate a minimum of 1/2

TYPICAL MASTERSEAL AWB 975 FIB APPLICATION



NOTES

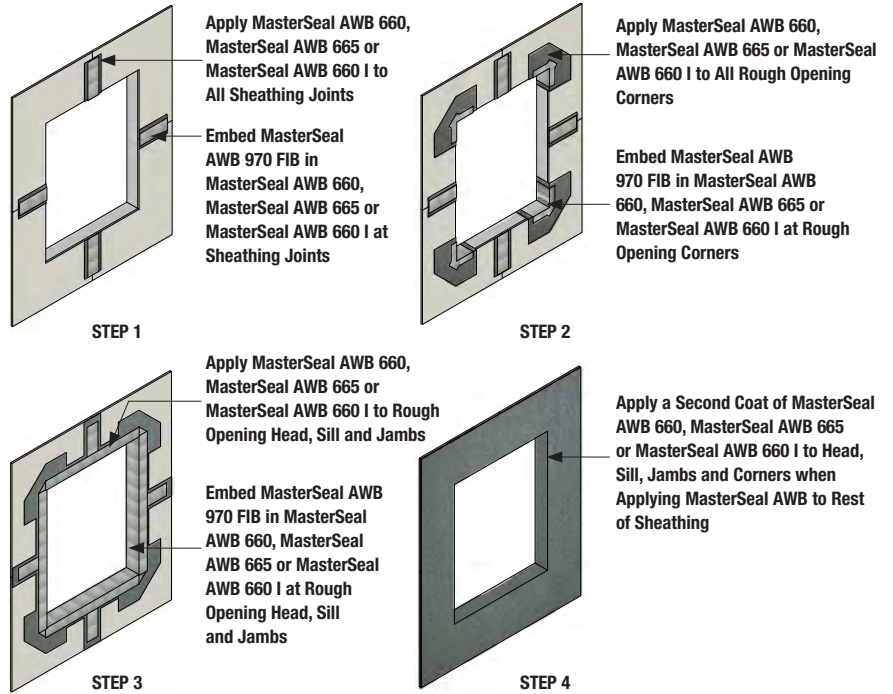
- For more information, reference the MasterSeal AWB Application Guidelines for Joint Treatment and Flashing Rough Openings on Framed Construction technical bulletin.

* By Others

NOTES

- Apply MasterSeal AWB 970 FIB over punched stud openings.
- For more information, reference the MasterSeal AWB Application Guidelines for Joint Treatment and Flashing Rough Openings on Framed Construction technical bulletin.

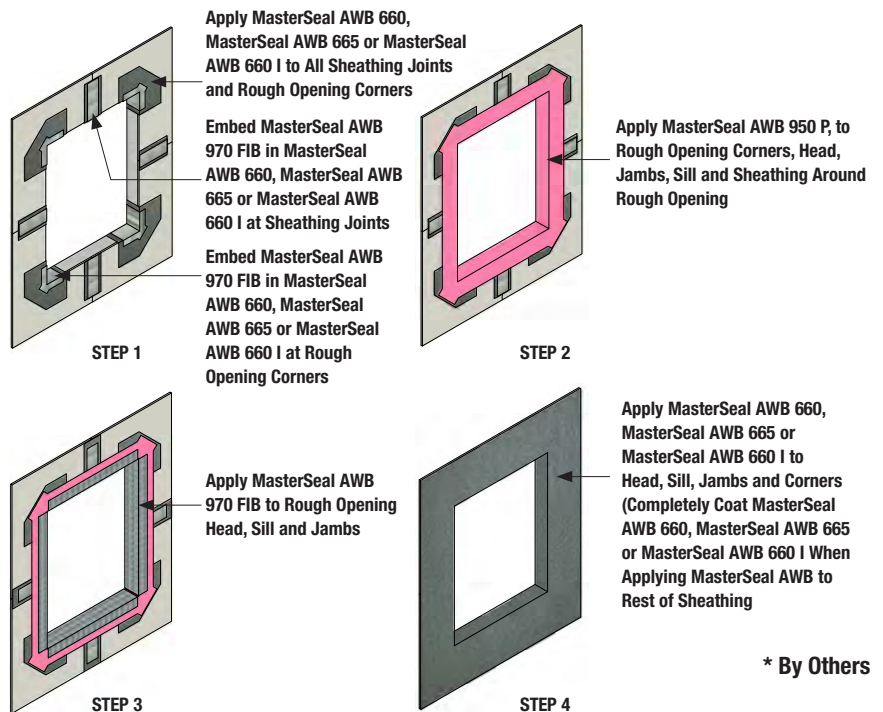
TYPICAL ROUGH OPENING CORNER TREATMENT WITH MASTERSEAL AWB 975 FIB AND MASTERSEAL AWB 971 FIB



NOTES

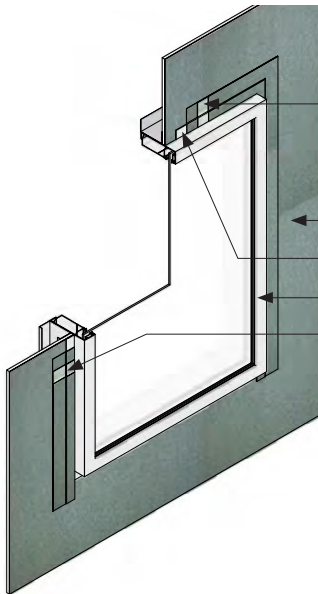
- For more information, reference the MasterSeal AWB Application Guidelines for Joint Treatment and Flashing Rough Openings on Framed Construction technical bulletin.

TYPICAL ROUGH OPENING CORNER TREATMENT WITH MASTERSEAL AWB 975 FIB AND MASTERSEAL AWB 970 FIB



* By Others

TYPICAL WINDOW FLANGE TREATMENT



MasterSeal AWB 970 FIB with MasterSeal AWB 950 P or Embed MasterSeal AWB 971 FIB in MasterSeal AWB 660, MasterSeal AWB 665, MasterSeal AWB 660 I or MasterSeal AWB 900

MasterSeal AWB 660, MasterSeal AWB 665 or MasterSeal AWB 660 I
Window Flange*

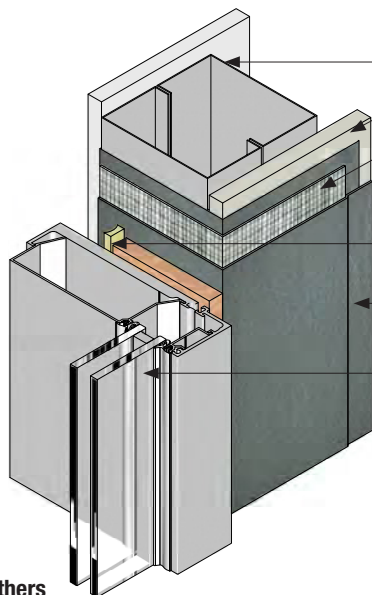
Window*

Embed MasterSeal AWB 971 FIB in MasterSeal AWB 660, MasterSeal AWB 665, MasterSeal AWB 660 I

NOTES

- Verify rough opening is properly treated prior to window installation. See AWRB-07 or AWRB-08.
- Do not block drainage at window sill.
- Air seal to window by others.

TYPICAL WINDOW JAMB



Framing*

Acceptable Sheathing*

MasterSeal AWB 971 FIB or MasterSeal AWB 970 FIB

Continuous Airseal*

MasterSeal AWB 660, MasterSeal AWB 665 or MasterSeal AWB 660 I

Window*

NOTES

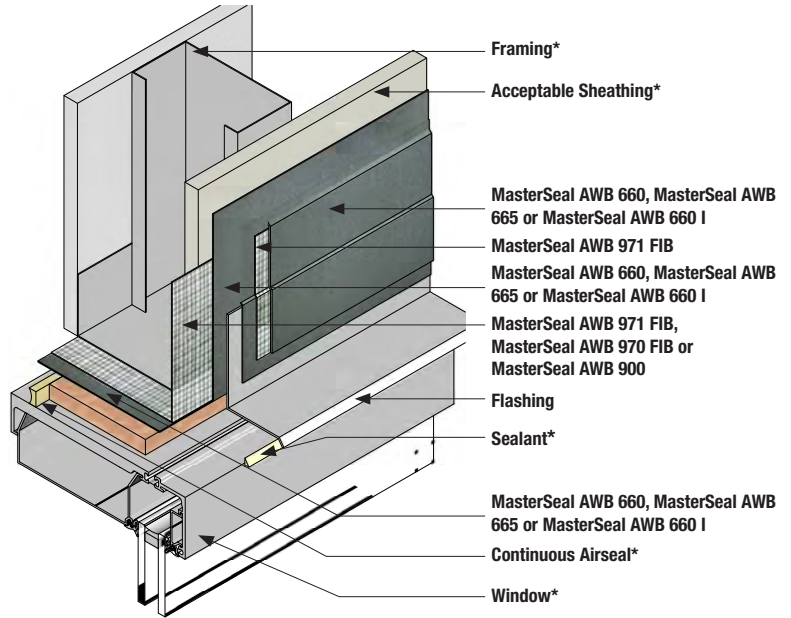
- Apply MasterSeal AWB 970 FIB over punched stud openings.
- If blocking is installed prior to MasterSeal AWB 660, MasterSeal AWB 665 or MasterSeal AWB 660 I application, it shall be treated as a rough opening; verify adhesion before proceeding.
- Embed MasterSeal AWB 971 FIB in MasterSeal AWB 660, MasterSeal AWB 665 or MasterSeal AWB 660 I, or apply MasterSeal AWB 971 FIB over MasterSeal AWB 950 P.
- See AWRB-07 or AWRB-08.

* By Others

NOTES

- Provide end dams at flashing terminations.
- If blocking is installed prior to MasterSeal AWB 660/ MasterSeal AWB 665/MasterSeal AWB 660 I application, it shall be treated as a rough opening; verify adhesion before proceeding.
- Embed MasterSeal AWB 971 FIB in MasterSeal AWB 660, MasterSeal AWB 665 or MasterSeal AWB 660 I.
- See AWRB-07 or AWRB-08.

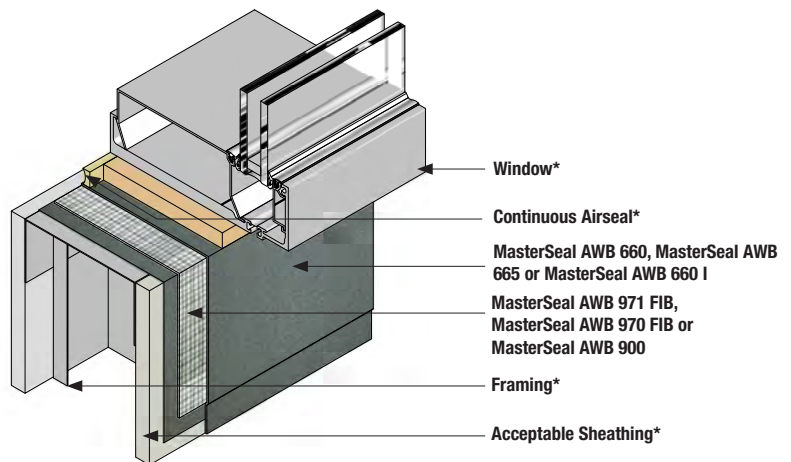
TYPICAL WINDOW HEAD



NOTES

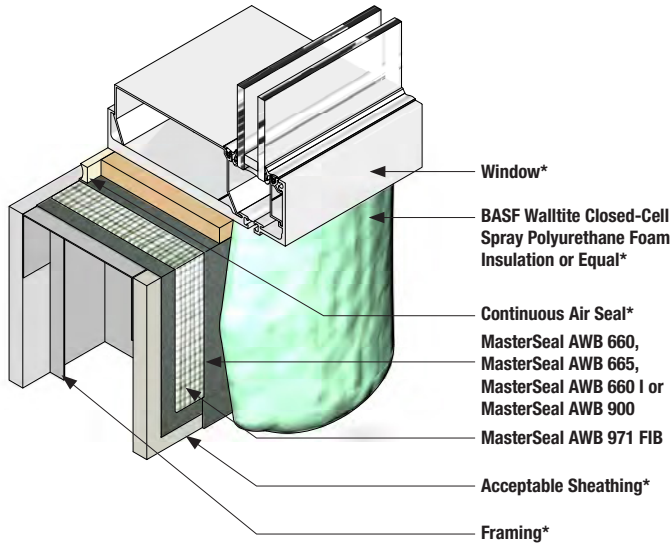
- Install end/back dams as required.
- If blocking is installed prior to MasterSeal AWB 971 FIB in MasterSeal AWB 660, MasterSeal AWB 665 or MasterSeal AWB 660 I application, it shall be treated as a rough opening; verify adhesion before proceeding.
- If pan flashing is required, see detail AWRB-16.
- See AWRB-07 or AWRB-08.

TYPICAL WINDOW SILL



* By Others

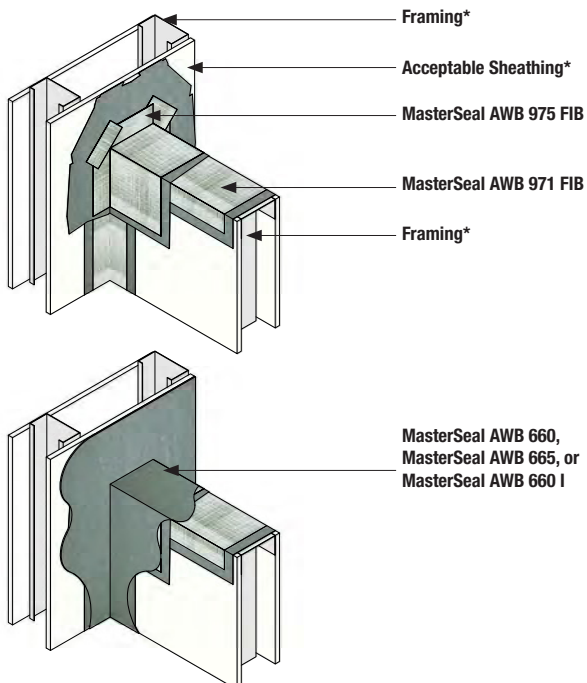
TYPICAL WINDOW SILL WITH CLOSED-CELL SPRAY POLYURETHANE FOAM INSULATION



NOTES

- Cladding and Flashing not shown for clarity.
- Embed MasterSeal AWB 971 FIB in MasterSeal AWB 660, MasterSeal AWB 665 or MasterSeal AWB 660 I.
- Install Spray Polyurethane Foam Insulation per manufacturer's installation specifications and recommendations.
- If blocking is installed prior to MasterSeal AWB 660, MasterSeal AWB 665 or MasterSeal AWB 660 I application, it shall be treated as a rough opening; verify adhesion before proceeding.

TYPICAL SADDLE APPLICATION INCORPORATING MASTERSEAL AWB 971 FIB



NOTES

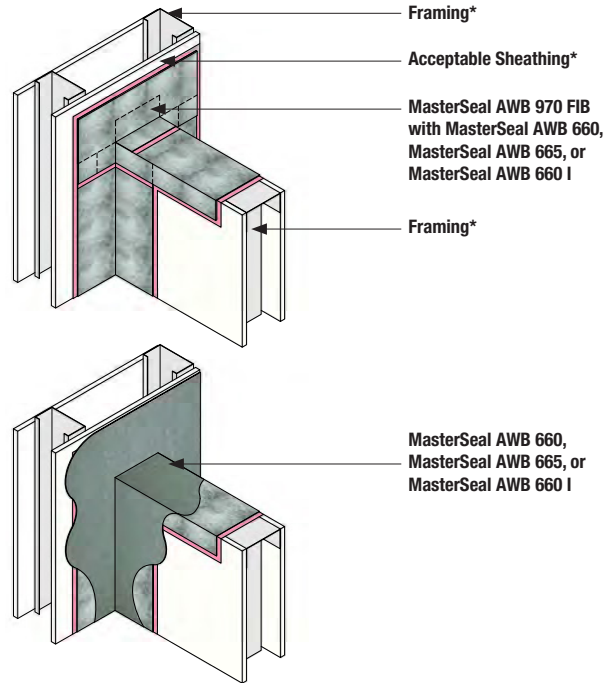
- Embed MasterSeal AWB 975 FIB in MasterSeal AWB 660, MasterSeal AWB 665 or MasterSeal AWB 660 I
- Embed MasterSeal AWB 971 FIB in MasterSeal AWB 660, MasterSeal AWB 665 or MasterSeal AWB 660 I
- Two MasterSeal AWB 975 FIB are used, one on each side of the saddle.

* By Others

NOTES

- All MasterSeal AWB 970 FIB overlaps shall be primed with MasterSeal AWB 950 P.
- Visit www.master-builders-solutions.basf.us for a four step expanded version of this detail.

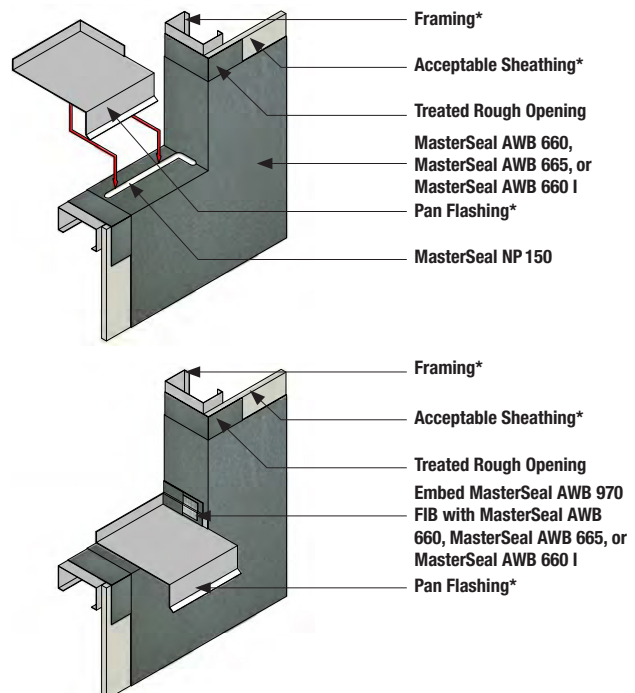
**TYPICAL SADDLE APPLICATION
INCORPORATING MASTERSEAL AWB 970 FIB**



NOTES

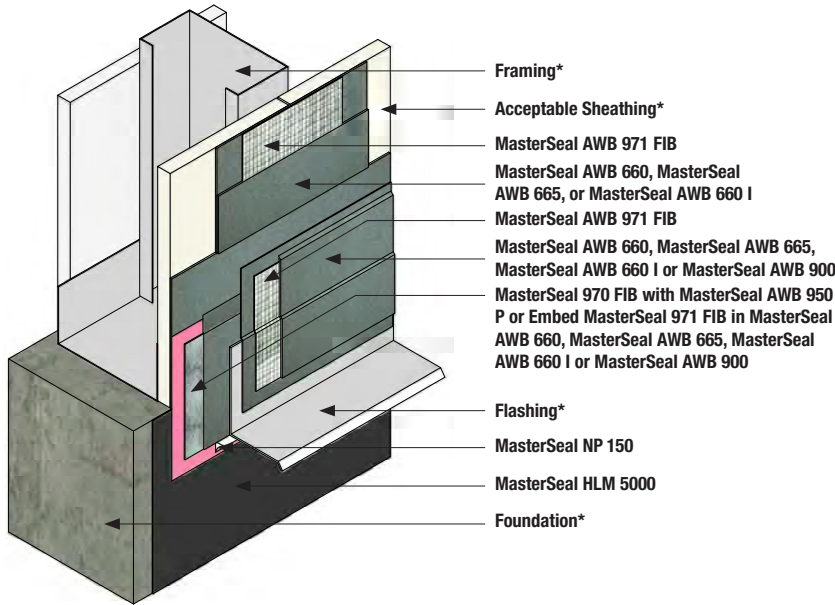
- Wrap rough opening in accordance with AWRB-07 or AWRB-08.
- Install MasterSeal NP 150 or equal as depicted onto the sill and jamb to maintain continuity of the air barrier.
- Install pan flashing into the wet sealant. Remove excess sealant as required.
- Install MasterSeal AWB 971 FIB into wet MasterSeal AWB 660 or MasterSeal AWB 665 or MasterSeal AWB 660 I at the jamb end dams.

TYPICAL PAN FLASHING



* By Others

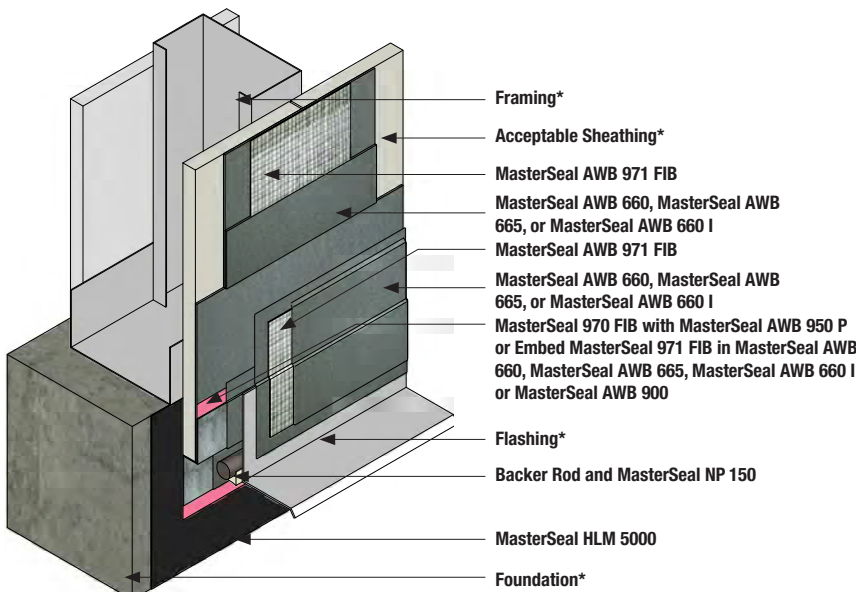
TYPICAL TERMINATION AT GRADE - SHEATHING FLUSH WITH FOUNDATION



NOTES

- Ensure MasterSeal AWB 660, MasterSeal AWB 665 or MasterSeal AWB 660 I fully covers MasterSeal AWB 970 FIB at overlap.
- Extend flashing over coated MasterSeal AWB 970 FIB on foundation.
- Embed MasterSeal AWB 971 FIB in MasterSeal AWB 660, MasterSeal AWB 665 or MasterSeal AWB 660 I

TYPICAL TERMINATION AT GRADE - SHEATHING OVERLAPPING FOUNDATION



NOTES

- Ensure MasterSeal AWB 660, MasterSeal AWB 665 or MasterSeal AWB 660 I fully covers MasterSeal AWB 970 FIB at overlap.
- Extend flashing over coated MasterSeal AWB 970 FIB on foundation.

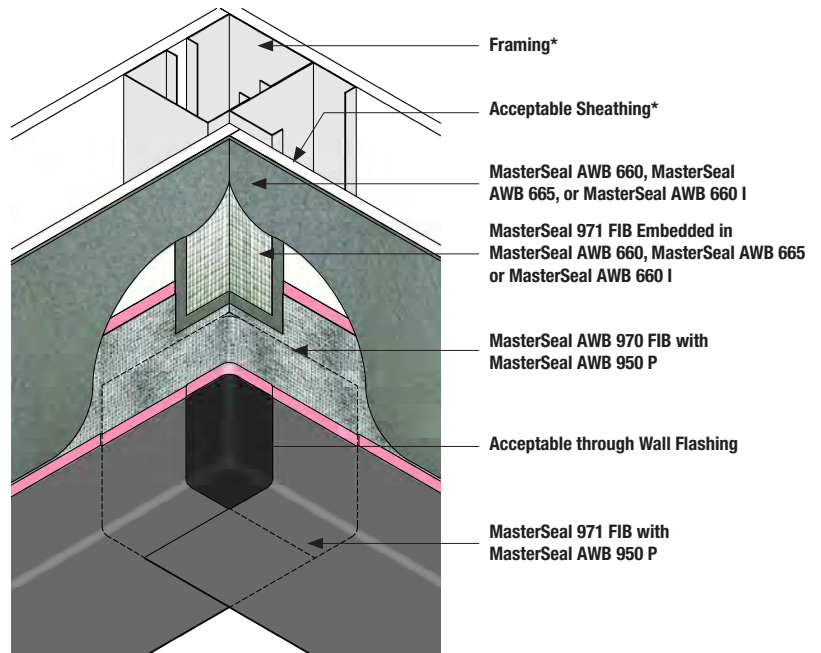
* By Others

NOTES

- Set acceptable through wall flashing Inside Corner in MasterSeal NP 150 Sealant.
- Lap acceptable through wall flashing membrane at least 2" over Inside Corner.
- Extend MasterSeal AWB 970 FIB Flashing Membrane 8" vertically up the wall (not to scale).
- Apply a bead of MasterSeal NP 150 sealant between MasterSeal AWB 970 FIB Flashing Membrane and Inside Corner to create an airtight and watertight seal.
- Center MasterSeal AWB 970 FIB so half of the width covers MasterSeal AWB 970 FIB Flashing Membrane and half covers the CMU substrate.
- MasterSeal AWB 970 FIB over termination bar can be used instead of MasterSeal AWB 970 FIB (See AWRB-23).
- Lap MasterSeal AWB 971 FIB a minimum of 2" over MasterSeal AWB 970 FIB
- If using a termination bar, MasterSeal AWB 971 FIB must be beneath MasterSeal AWB 970 FIB Flashing Membrane.

Visit www.master-builders-solutions.basf.us for a four step expanded version of this detail.

TYPICAL INSIDE CORNER

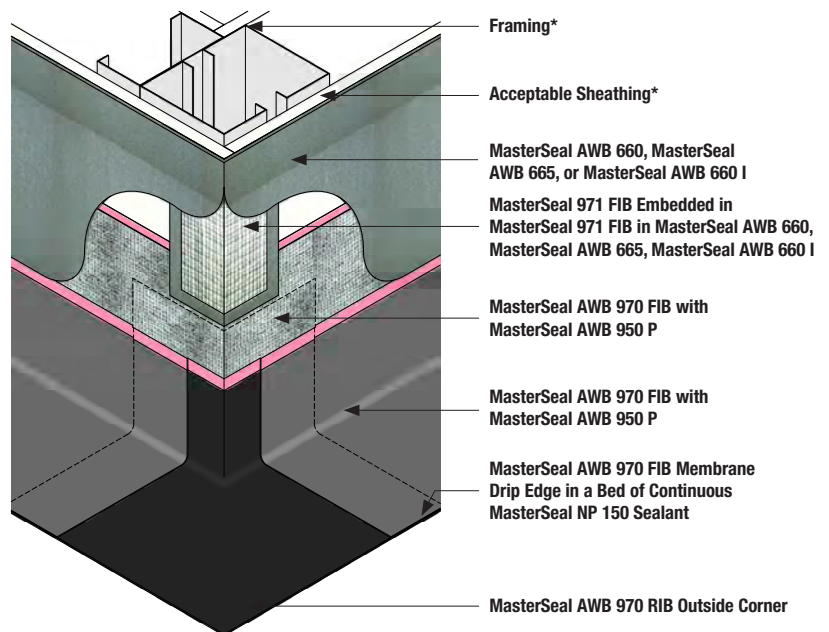


NOTES

- Set MasterSeal AWB 970 FIB Outside Corner in MasterSeal NP 150 Sealant.
- Lap MasterSeal AWB 970 FIB membrane at least 2" over Outside Corner.
- Extend MasterSeal AWB 970 FIB Flashing Membrane 8" vertically up the wall (not to scale).
- Apply a bead of MasterSeal NP 150 sealant between MasterSeal AWB 970 FIB Flashing Membrane and Inside Corner to create an airtight and watertight seal.
- Center MasterSeal AWB 970 FIB so half of the width covers MasterSeal AWB 970 FIB Flashing Membrane and half covers the CMU substrate.
- MasterSeal AWB 970 FIB over termination bar can be used instead of MasterSeal AWB 970 FIB (See AWRB-23).
- Lap MasterSeal AWB 971 FIB a minimum of 2" over MasterSeal AWB 970 FIB
- If using a termination bar, MasterSeal AWB 971 FIB must be beneath MasterSeal AWB 970 FIB Flashing Membrane.

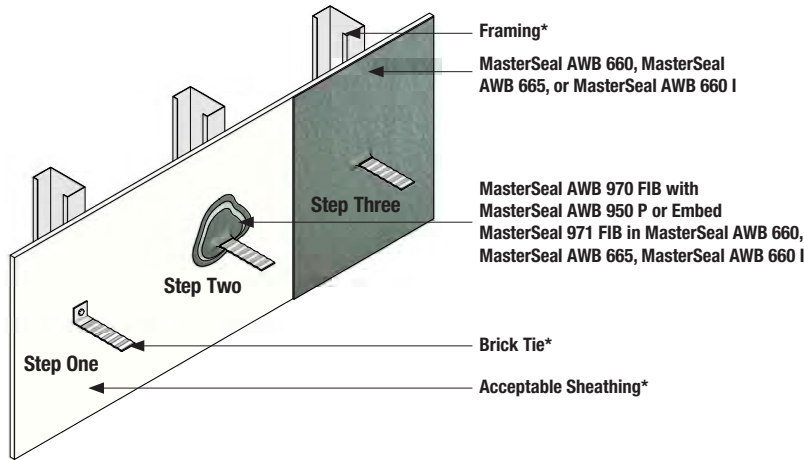
Visit www.master-builders-solutions.basf.us for a four step expanded version of this detail.

TYPICAL OUTSIDE CORNER



* By Others

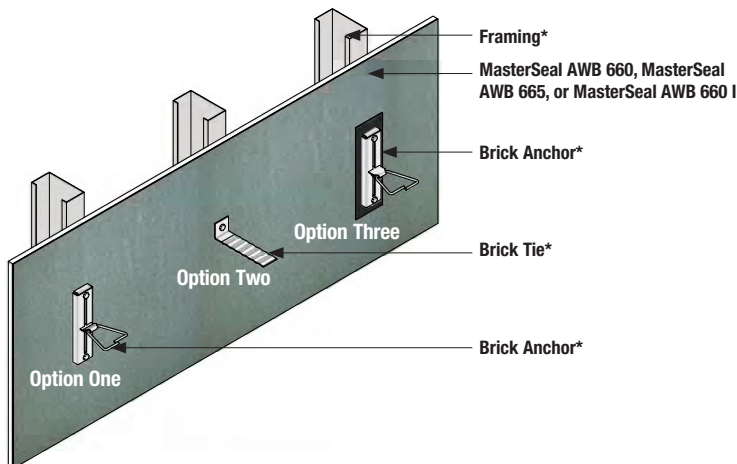
TYPICAL BRICK ANCHOR (INSTALLED PRIOR TO MASTERSEAL AWB APPLICATION)



NOTES

- Seal brick tie by embedding MasterSeal AWB 971 FIB in MasterSeal AWB 660, MasterSeal AWB 665 or MasterSeal AWB 660 I or sealing fastener head with MasterSeal AWB 900
- Consult the brick tie manufacturer for proper attachment.

TYPICAL BRICK ANCHOR (INSTALLED AFTER TO MASTERSEAL AWB APPLICATION)



NOTES

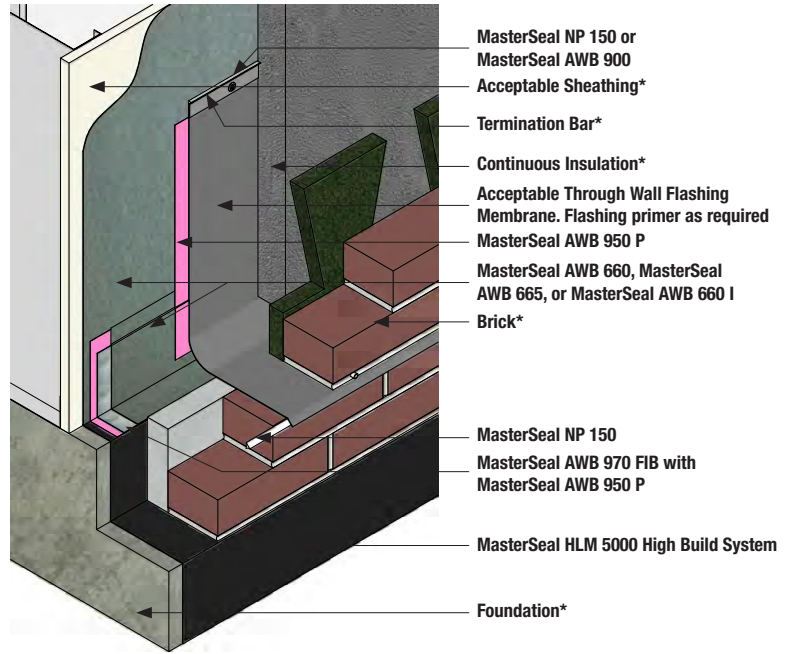
- For more information, see MasterSeal AWB Fastener Self-Sealing technical bulletin.
- Consult the brick anchor manufacturer for proper attachment.
- Additional MasterSeal AWB or MasterSeal AWB 900 may be post applied at anchor points.
- Option 3: Apply MasterSeal AWB 970 FIB to MasterSeal AWB 660, MasterSeal AWB 665 or MasterSeal AWB 660 I prior to application of brick anchor.

* By Others

NOTES

- Air space between sheathing and brick per design (not shown).
- Extend flashing vertically up the backing to 203 mm (8") minimum height.

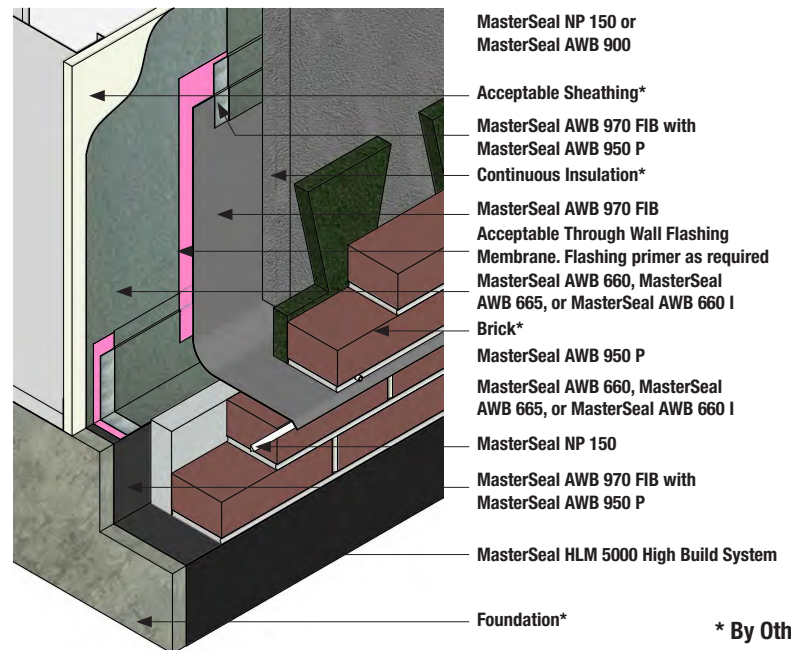
**TYPICAL TERMINATION AT FOUNDATION WITH
 BRICK INCORPORATING TWF - TERMINATION BAR**



NOTES

- Air space between sheathing and brick per design (not shown).
- Extend flashing vertically up the backing to 203 mm (8") minimum height.

**TYPICAL TERMINATION AT FOUNDATION WITH
 BRICK INCORPORATING TWF - SHEATHING FABRIC**



* By Others

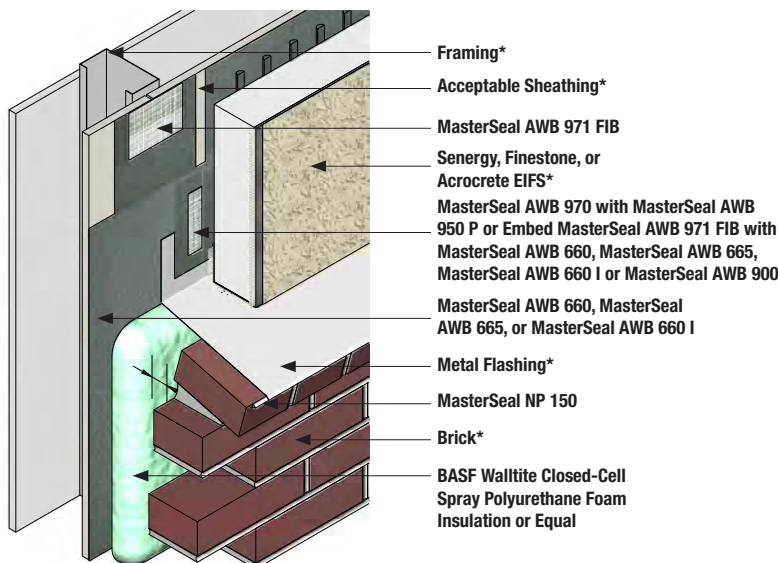
TYPICAL THROUGH WALL FLASHING AT HEAD



NOTES

- Embed MasterSeal AWB 971 FIB in MasterSeal AWB 660, MasterSeal AWB 665 or MasterSeal AWB 660 I.
- Air space between sheathing, continuous insulation and brick per design.
- Center MasterSeal AWB 970 FIB so half of the width covers MasterSeal AWB 970 FIB Flashing Membrane and half covers the primed substrate.
- MasterSeal AWB 970 FIB Flashing Membrane can be folded to create an end dam. Ensure that seams are sealed with MasterSeal NP 150.

TYPICAL EIFS ABUTMENT TO BRICK WITH CONTINUOUS INSULATION



NOTES

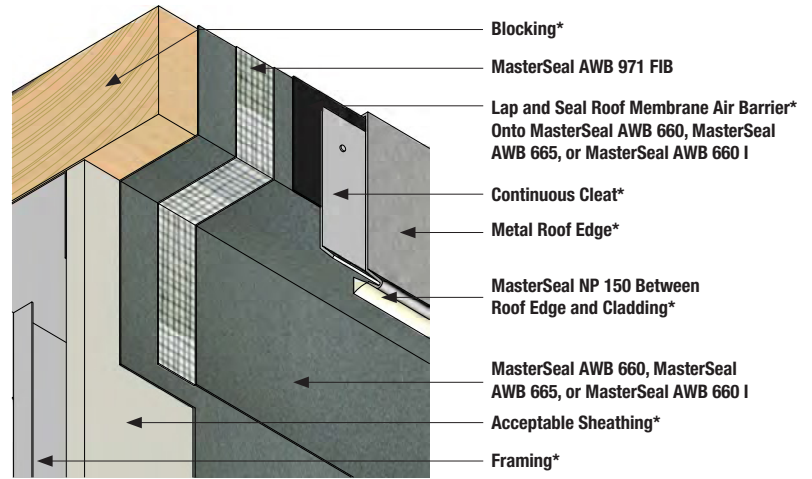
- Air space between insulation and brick per design.
- Embed MasterSeal AWB 971 FIB in MasterSeal AWB 660 or MasterSeal AWB 665 or MasterSeal AWB 660 I.
- Up to 12" of EPS thickness can be used with BASF EIFS.

* By Others

NOTES

- MasterSeal AWB 970 FIB or MasterSeal AWB 900 may be used as an alternate to provide an air/water-resistive barrier at transition of sheathing to blocking.
- Ensure continuity of air barrier is maintained.
- Avoid solvent-based adhesives/primers where roofing laps MasterSeal AWB.

TYPICAL ROOF EDGE OR PARAPET CAP FLASHING



* By Others

HEALTH , SAFETY AND ENVIRONMENTAL

Read, understand and follow all Safety Data Sheets and product label information for this product prior to use. The SDS can be obtained by visiting www.master-builders-solutions.basf.us, e-mailing your request to basfbscst@basf.com or calling 1(800) 433-9517. Use only as directed. For medical emergencies only, call ChemTrec® 1(800)424-9300.

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