

Senergy[®]



Senershield-R/-RS/-VB

Framed Construction Incorporating Fluid-Applied
Senergy Air/Water-Resistive Barriers

Typical Details

BUILDING TRUST



Senershield-R/-RS/-VB

Typical Details

Framed Construction Incorporating Senergy Fluid-Applied Air/Water-Resistive Barriers

Table of Contents

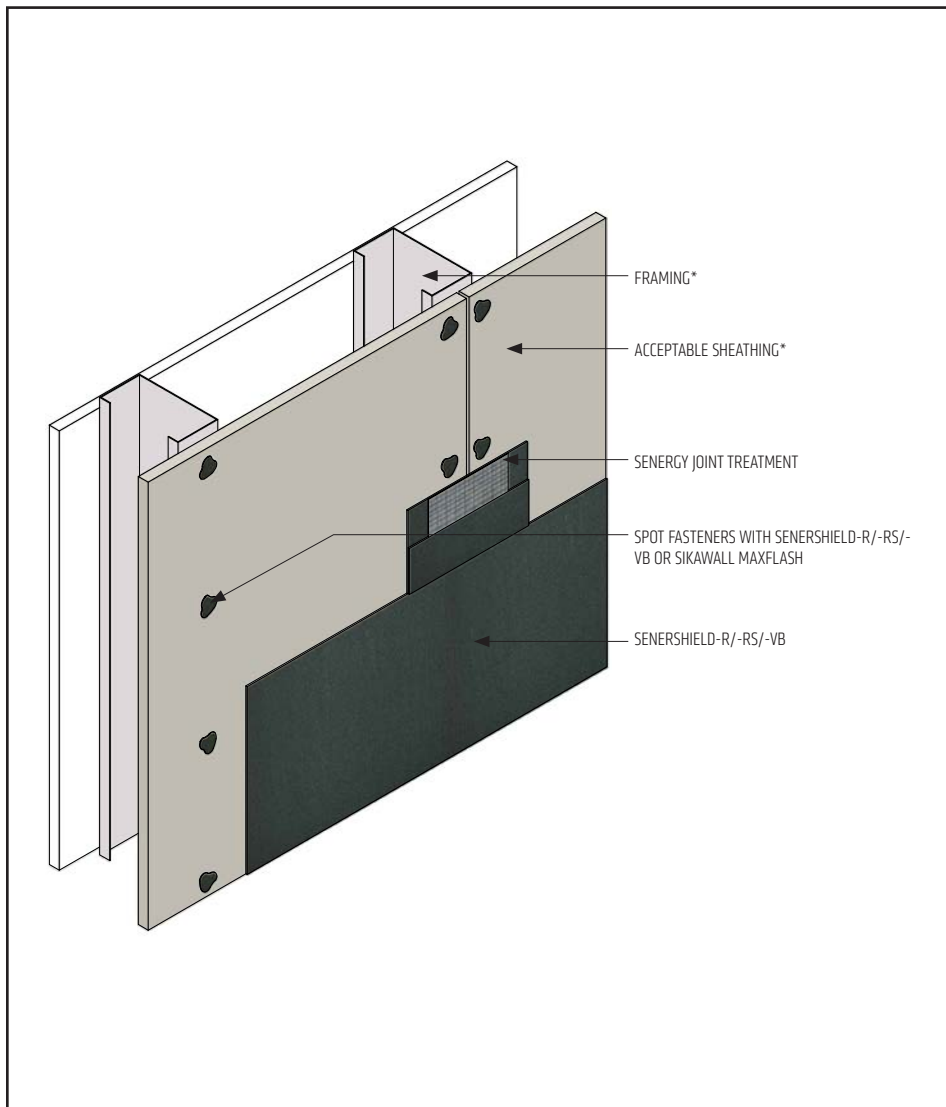
- | | |
|---|--|
| 1. Joint and Fastener Treatment | 18. Pan Flashing |
| 2. Vertical Expansion Joint | 19. Termination at Grade – Sheathing Overlapping Foundation |
| 3. Rough Opening Corner Reinforcement | 20. Termination at Grade – Sheathing Flush with Foundation |
| 4. Rough Opening Reinforcement with Sheathing Fabric | 21. Termination at Grade – Masonry Veneer |
| 5. Fast Corner Application | 22. Brick Anchor Treatment (Installed Prior to AWRB Application) |
| 6. Rough Opening Reinforcement with Fast Corners and Sheathing Fabric | 23. Brick Anchor Treatment (Installed After AWRB Application) |
| 7. Rough Opening Reinforcement with Fast Corners and SikaWall Flash Seal NP | 24. Brick Expansion Joint |
| 8. Penetration through Wall Construction (Sheathing Fabric Only) | 25. Termination at Grade – Brick |
| 9. Through Wall Construction (with MaxFlash or Sealant) | 26. Termination at Foundation with Through Wall Flashing – Brick |
| 10. Penetration through Wall Construction (Rough Cut) | 27. Termination at Foundation incorporating a Termination Bar with Through Wall Flashing – Brick |
| 11. Inside Corner Change in Substrate | 28. Through Wall Flashing at Head – Brick |
| 12. Inside Corner | 29. Saddle Application incorporating Sheathing Fabric |
| 13. Outside Corner | 30. Saddle Application incorporating SikaWall Flash Seal NP |
| 14. Window Flange Treatment | 31. Kick-Out Flashing |
| 15. Window Head | 32. Roof Edge Flashing |
| 16. Window Jamb | 33. Roof Edge Flashing |
| 17. Window Sill | 34. Parapet Cap Flashing |

Notes:

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Senershield-R/-RS/-VB

TYPICAL JOINT AND FASTENER TREATMENT



AWRB-01 2401

(*NOTE: BY OTHERS)

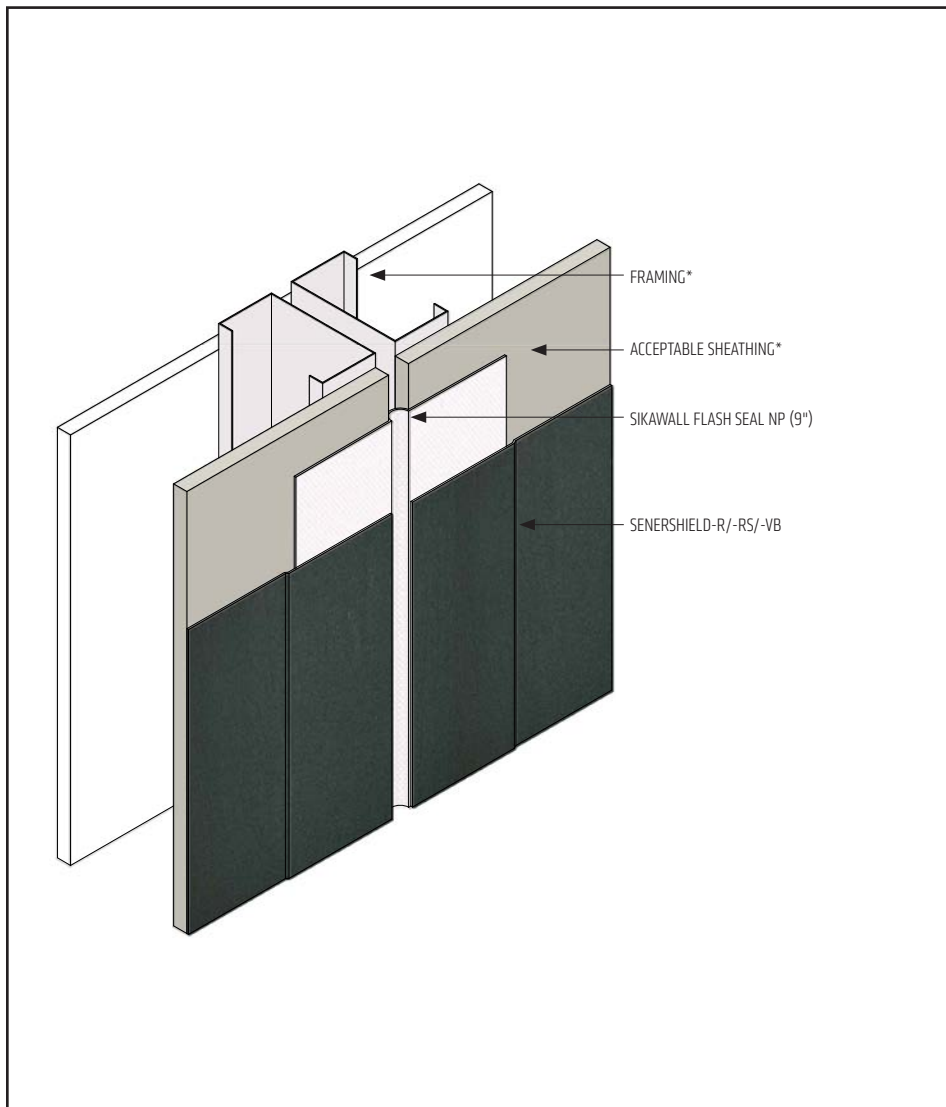
- Ensure all fastener heads are spotted with Senershield-R/-RS/-VB or SikaWall MaxFlash. Spotting fasteners at sheathing joints is optional.
- For more information, reference the selected Senergy air/water-resistive barrier product bulletin.
- Senergy Joint Treatment Options: SikaWall MaxFlash, SikaWall Sheathing Fabric embedded in Senershield-R/-RS/-VB or SikaWall Flash Seal NP.
- SikaWall Sheathing Fabric can treat joints up to 1/4" wide. SikaWall MaxFlash can treat joints up to 1/2" wide.
Note: Not for use at expansion joints.

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Senershield-R/-RS/-VB

TYPICAL VERTICAL EXPANSION JOINT



- Provide sufficient slack in the SikaWall Flash Seal NP at expansion joint to allow for movement.
- Fully Coat SikaWall Flash Seal NP with Senershield-R/-RS/-VB.

AWRB-02 2401

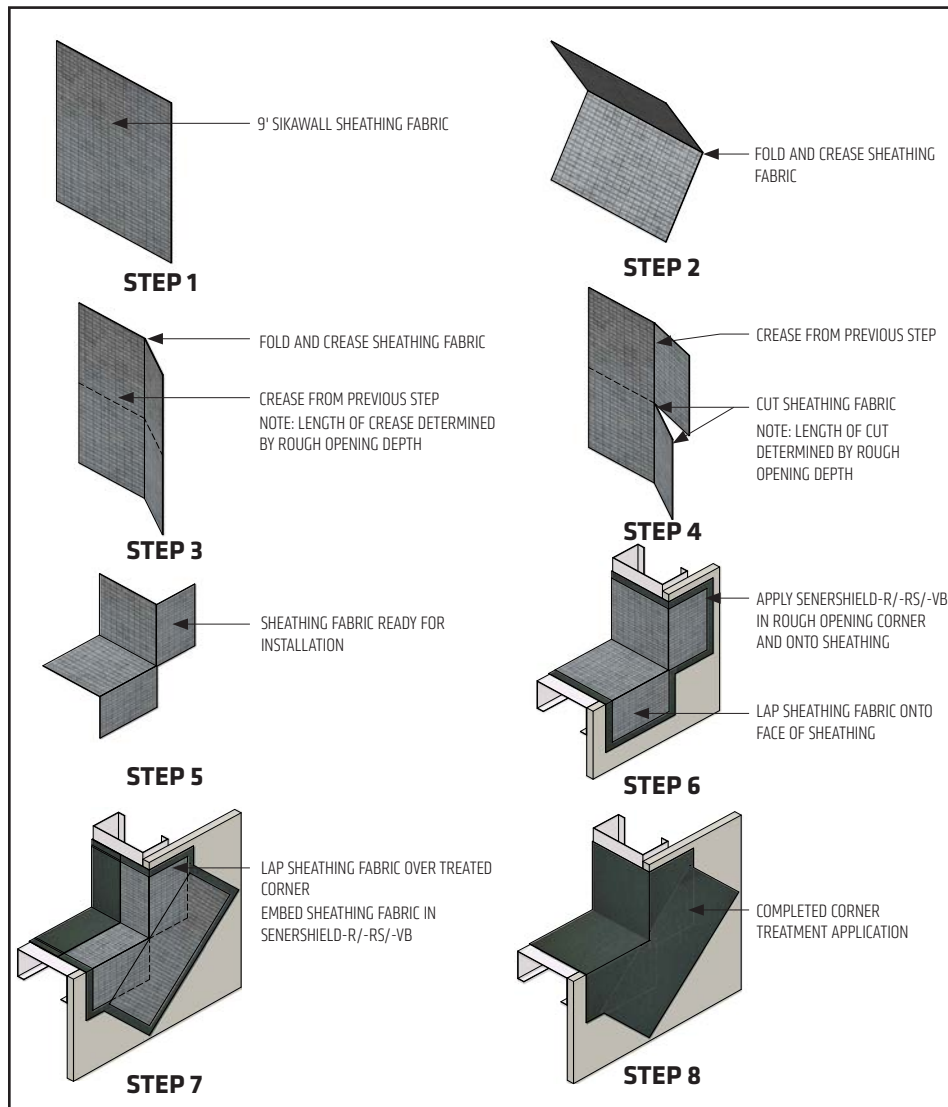
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Senershield-R/-RS/-VB

TYPICAL ROUGH OPENING CORNER REINFORCEMENT



- Wrap rough opening in accordance with Detail AWRB-04, AWRB-06 or AWRB-07.

AWRB-03 2401

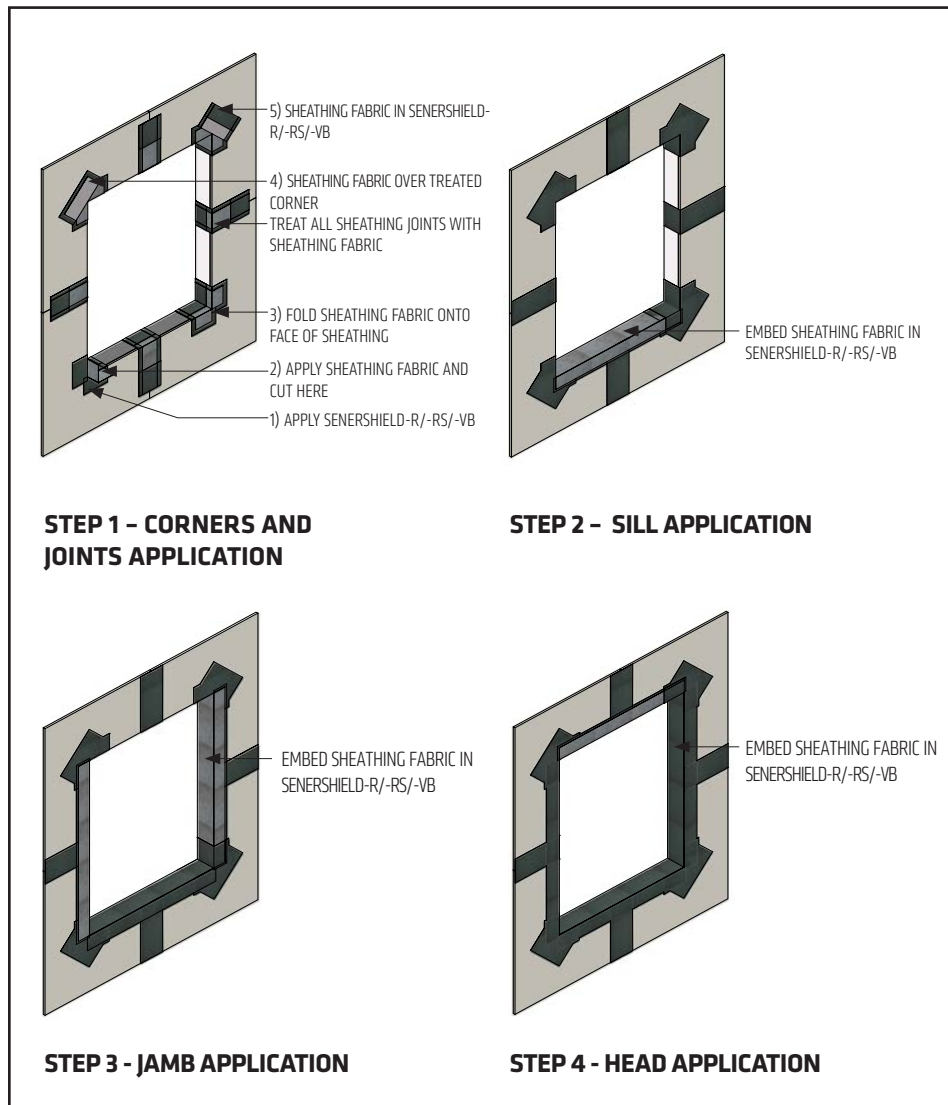
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Senershield-R/-RS/-VB

TYPICAL ROUGH OPENING REINFORCEMENT WITH SIKAWALL SHEATHING FABRIC



- Ensure SikaWall Sheathing Fabric is embedded in Senershield-R/-RS/-VB.
- Ensure Senershield-R/-RS/-VB and SikaWall Sheathing Fabric are installed without voids and pinholes.
- Apply SikaWall Flash Seal NP over punched stud openings.

AWRB-04 2401

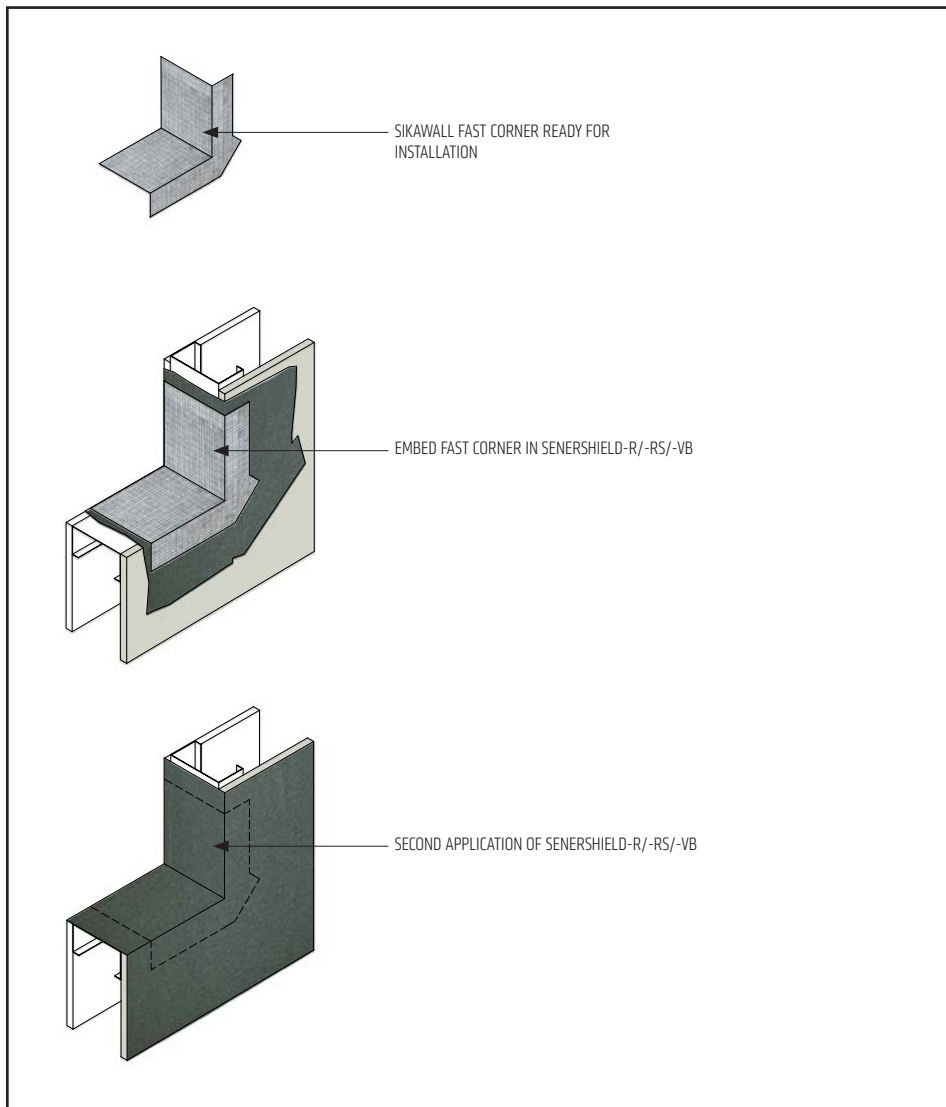
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Senershield-R/-RS/-VB

TYPICAL SIKAWALL FAST CORNER FABRIC APPLICATION



- For additional information reference SikaWall Fast Corner Fabric Product Data Sheet.

AWRB-05 2401

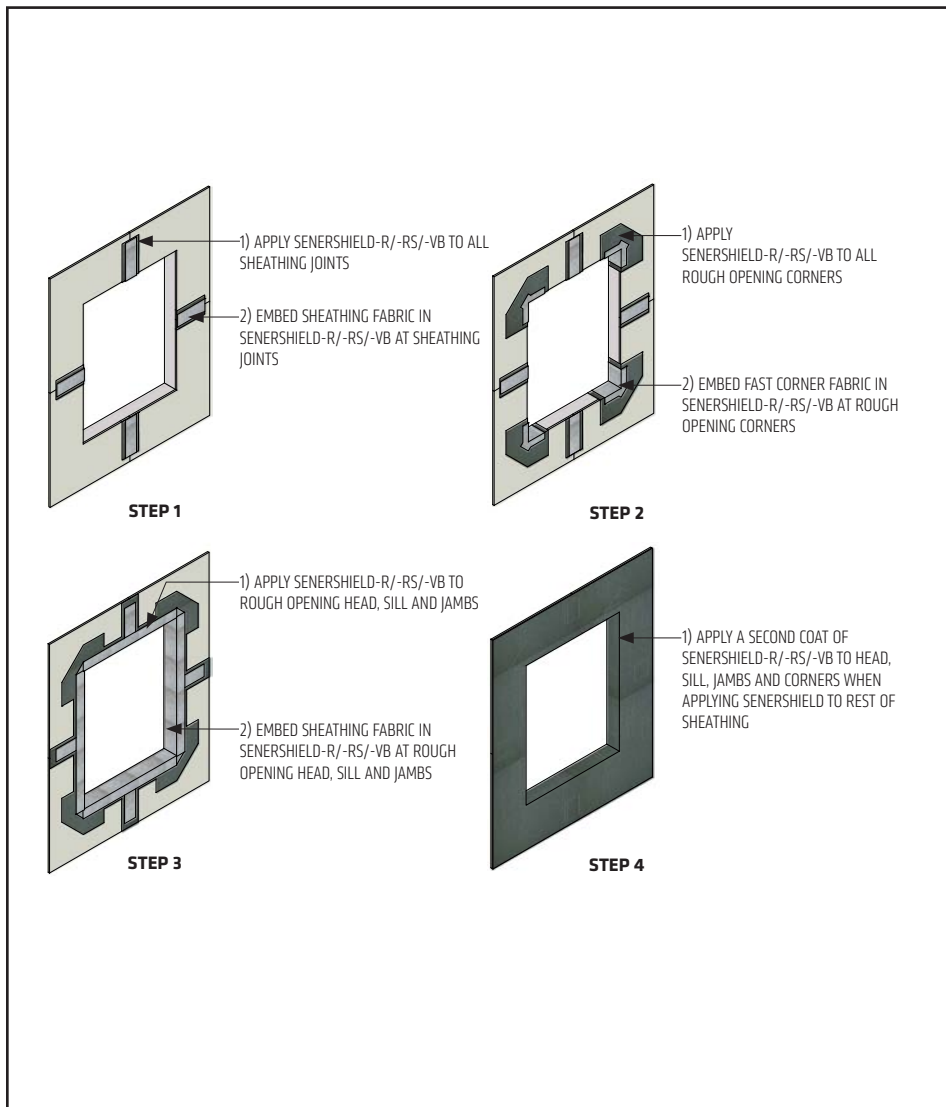
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Senershield-R/-RS/-VB

TYPICAL ROUGH OPENING CORNER TREATMENT WITH SIKAWALL FAST CORNER FABRIC AND SIKAWALL SHEATHING FABRIC



- Apply SikaWall Flash Seal NP over punched stud openings.
- Fully coat SikaWall Flash Seal NP with Senershield-R/-RS/-VB.

AWRB-06 2401

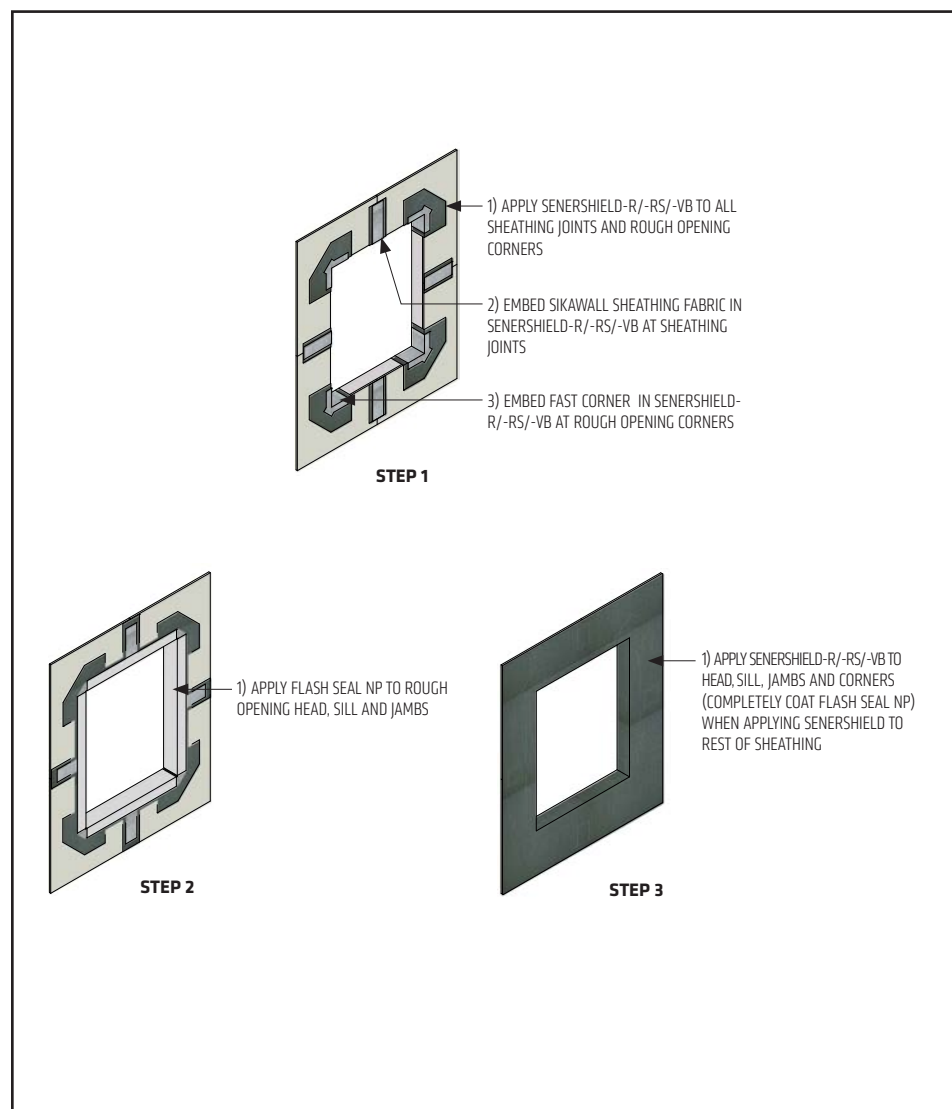
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Senershield-R/-RS/-VB

TYPICAL ROUGH OPENING CORNER TREATMENT WITH SIKAWALL FAST CORNER AND SIKAWALL FLASH SEAL NP



- Apply SikaWall Flash Seal NP over punched stud openings.
- SikaWall Sheathing Fabric and SikaWall Flash Seal NP are produced by Sika.
- Fully coat SikaWall Flash Seal NP with Senershield-R/-RS/-VB.

AWRB-07 2401

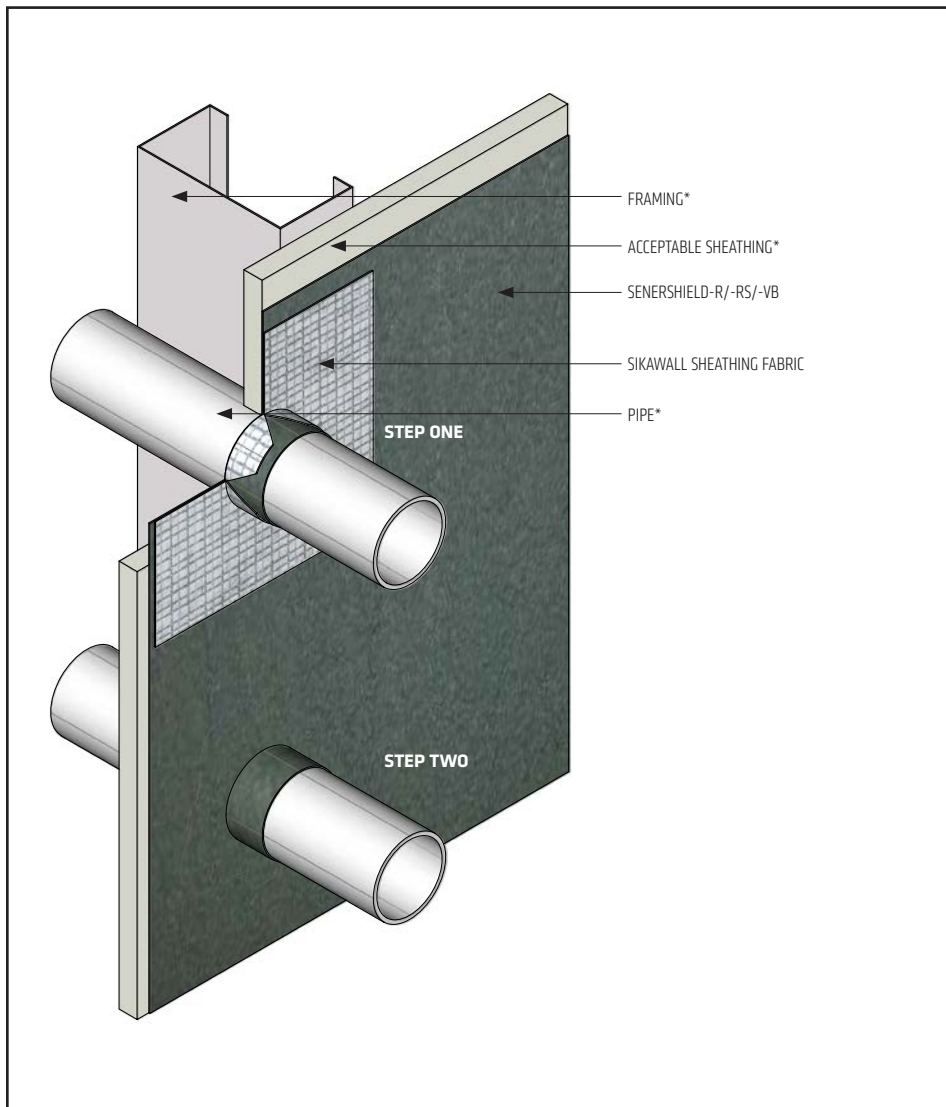
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Senershield-R/-RS/-VB

TYPICAL PENETRATION THROUGH WALL CONSTRUCTION (SIKAWALL SHEATHING FABRIC ONLY)



AWRB-08 2401

(*NOTE: BY OTHERS)

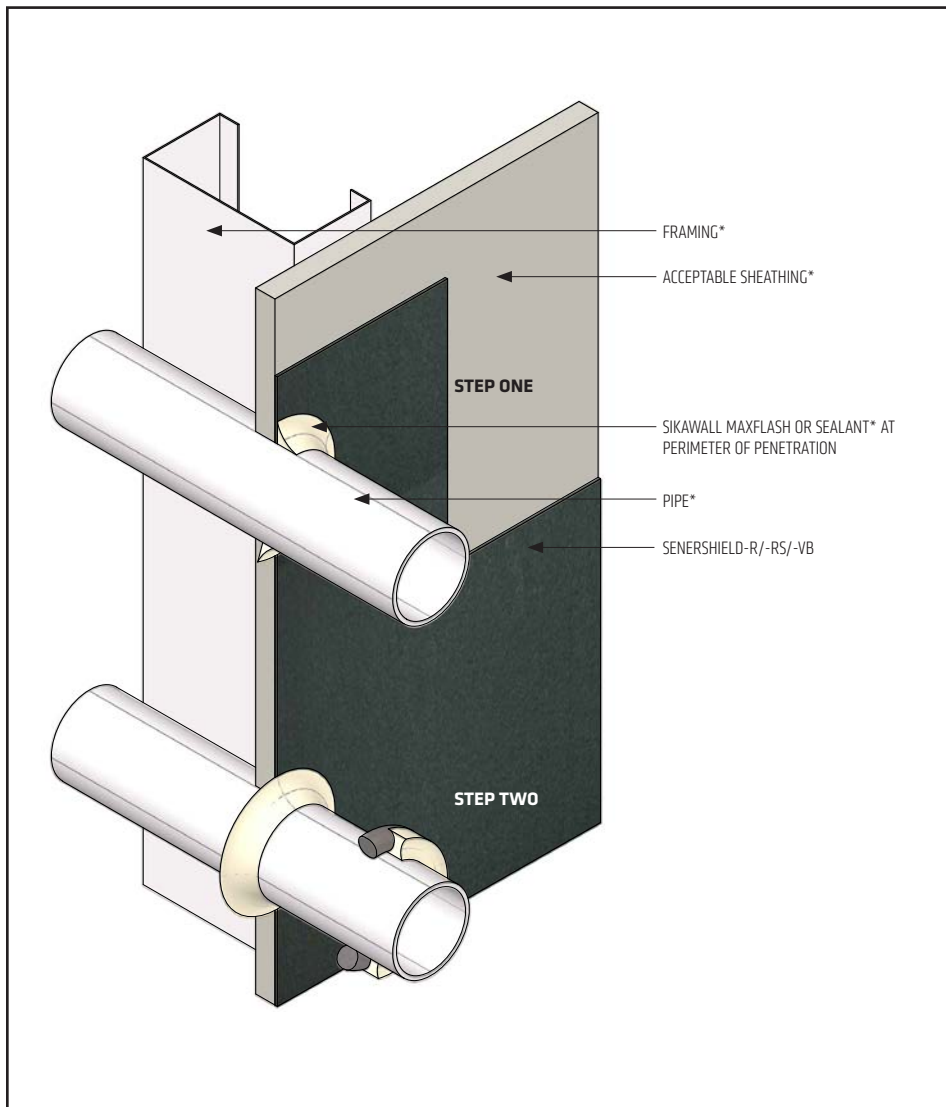
- Cut a square piece of SikaWall Sheathing Fabric large enough to extend past the pipe by 2" in each direction.
- At the center of the square piece of SikaWall, pierce a small hole with a blade or scissors.
- With a blade or scissors, cut an "X". Turn the square about 45° and cut another X. The center 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 the SikaWall Sheathing Fabric in Senershield-R/-RS/-VB and coat the flaps around the pipe, See Step 2.
- Wrap a 1" strip of SikaWall Sheathing Fabric embedded in Senershield-R/-RS/-VB around the flaps.

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Senershield-R/-RS/-VB

TYPICAL PENETRATION THROUGH WALL CONSTRUCTION (WITH MAXFLASH OR SEALANT)



- Senershield-R/-RS/-VB with SikaWall Sheathing Fabric may be used as an alternate to provide an air/water-resistive barrier around penetrations, see detail AWRB-08.
- Provide backer rod and Sikaflex HY 150 sealant or equal between pipe and cladding (by others).

AWRB-09 2401

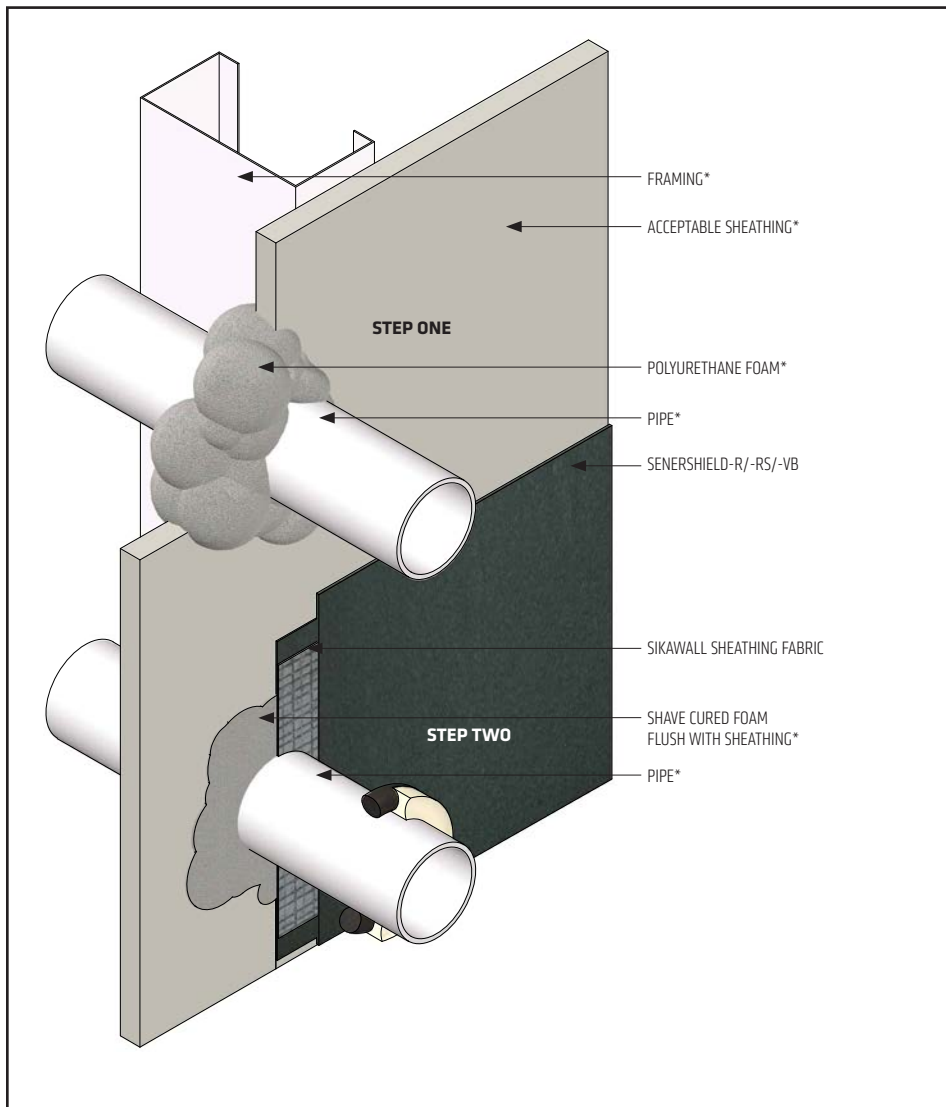
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Senershield-R/-RS/-VB

TYPICAL PENETRATION THROUGH WALL CONSTRUCTION (ROUGH CUT)



AWRB-10 2401

(*NOTE: BY OTHERS)

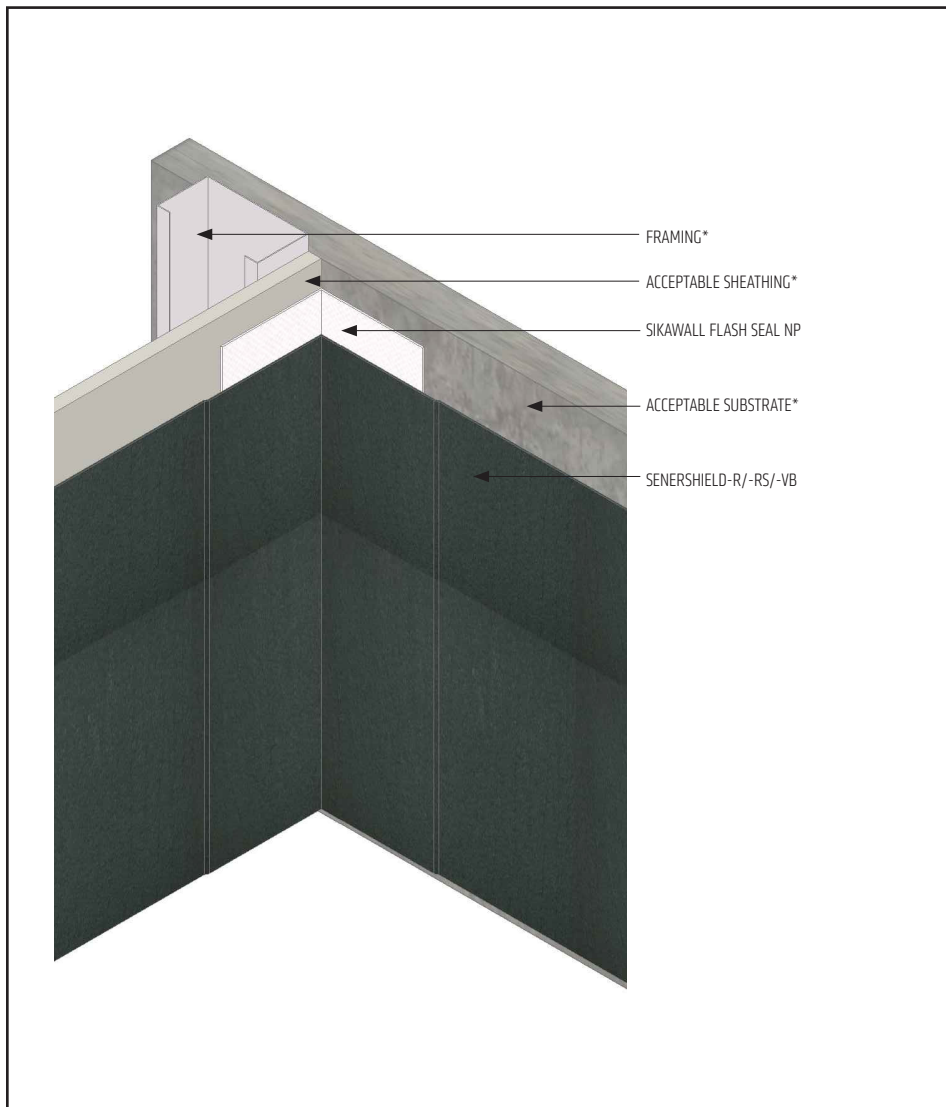
- Ensure spray foam is low expansion.
- Provide backer rod and Sikaflex HY 150 sealant or equal between pipe and cladding (by others).
- Embed SikaWall Sheathing Fabric in Senershield-R/-RS/-VB.
- Follow detail AWRB-08 for installation of SikaWall Sheathing Fabric and Senershield-R/-RS/-VB at penetration.

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Senershield-R/-RS/-VB

TYPICAL INSIDE CORNER CHANGE IN SUBSTRATE



- Fully coat SikaWall Flash Seal NP with Senershield-R/-RS/-VB.

AWRB-11

2401

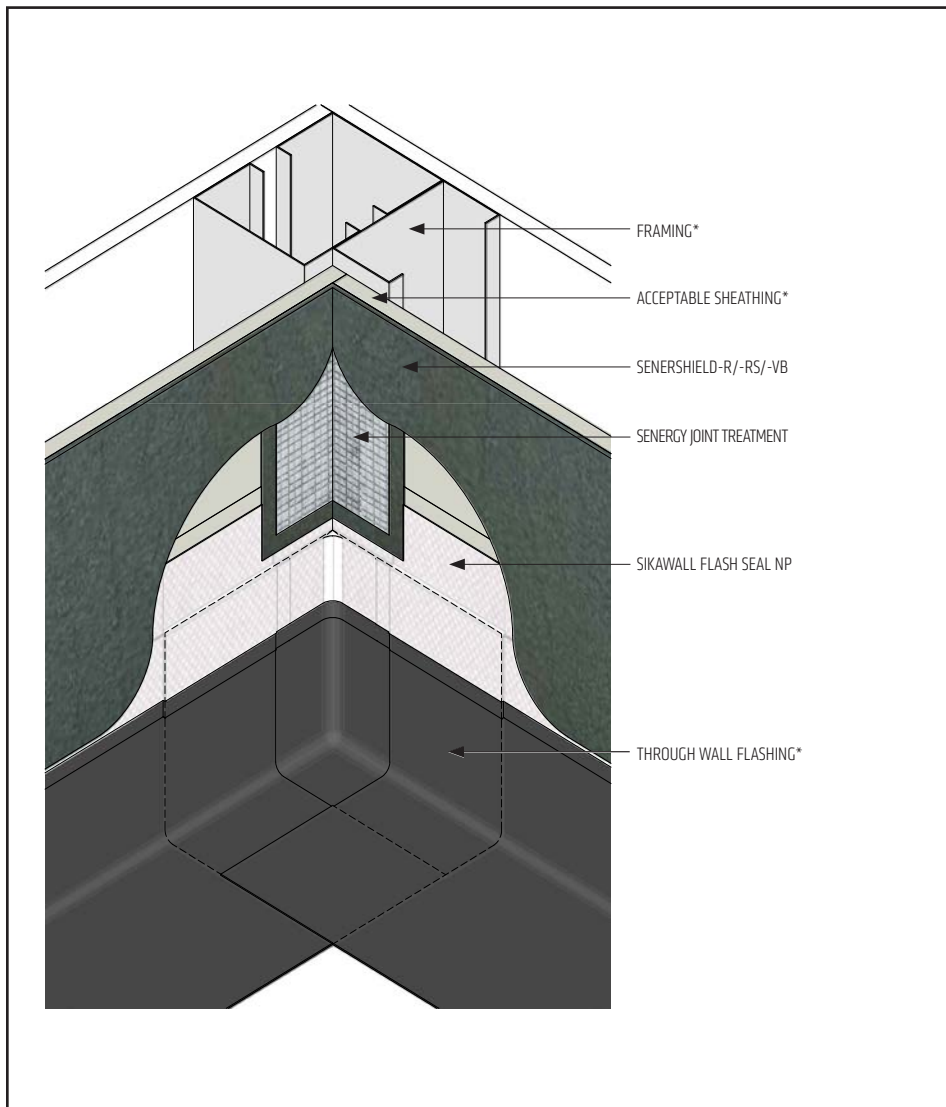
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Senershield-R/-RS/-VB

TYPICAL INSIDE CORNER



- Center SikaWall Flash Seal NP so half of the width covers through wall flashing and half covers the substrate.
- A termination bar and Sikaflex HY 150 sealant can be used at through wall flashing instead of SikaWall Flash Seal NP (See detail AWRB-33).
- Lap Senergy joint treatment a minimum of 2" over SikaWall Flash Seal NP.
- If using a termination bar, Senergy joint treatment must be beneath through wall flashing membrane.
- Senergy Joint Treatment Options: SikaWall MaxFlash, SikaWall Sheathing Fabric embedded in Senershield-R/-RS-VB or SikaWall Flash Seal NP.

AWRB-12

2401

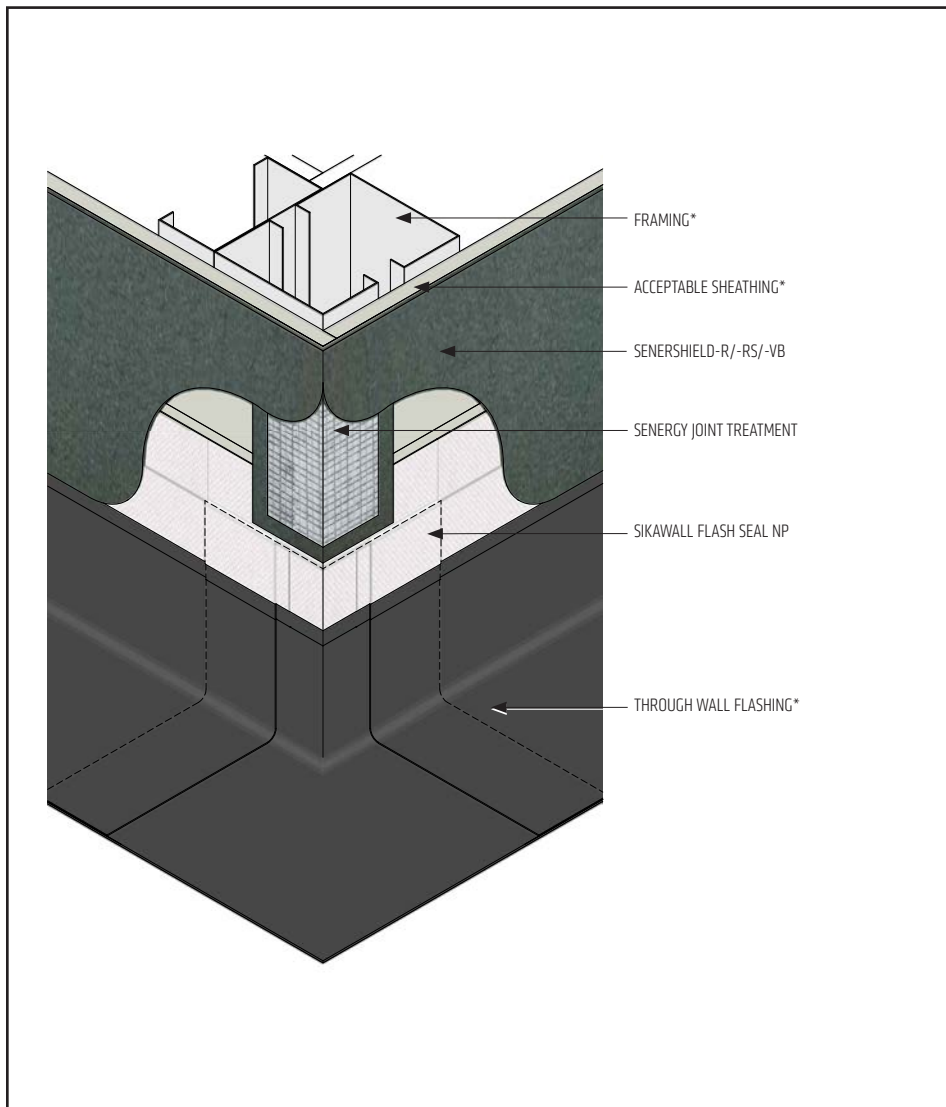
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Senershield-R/-RS/-VB

TYPICAL OUTSIDE CORNER



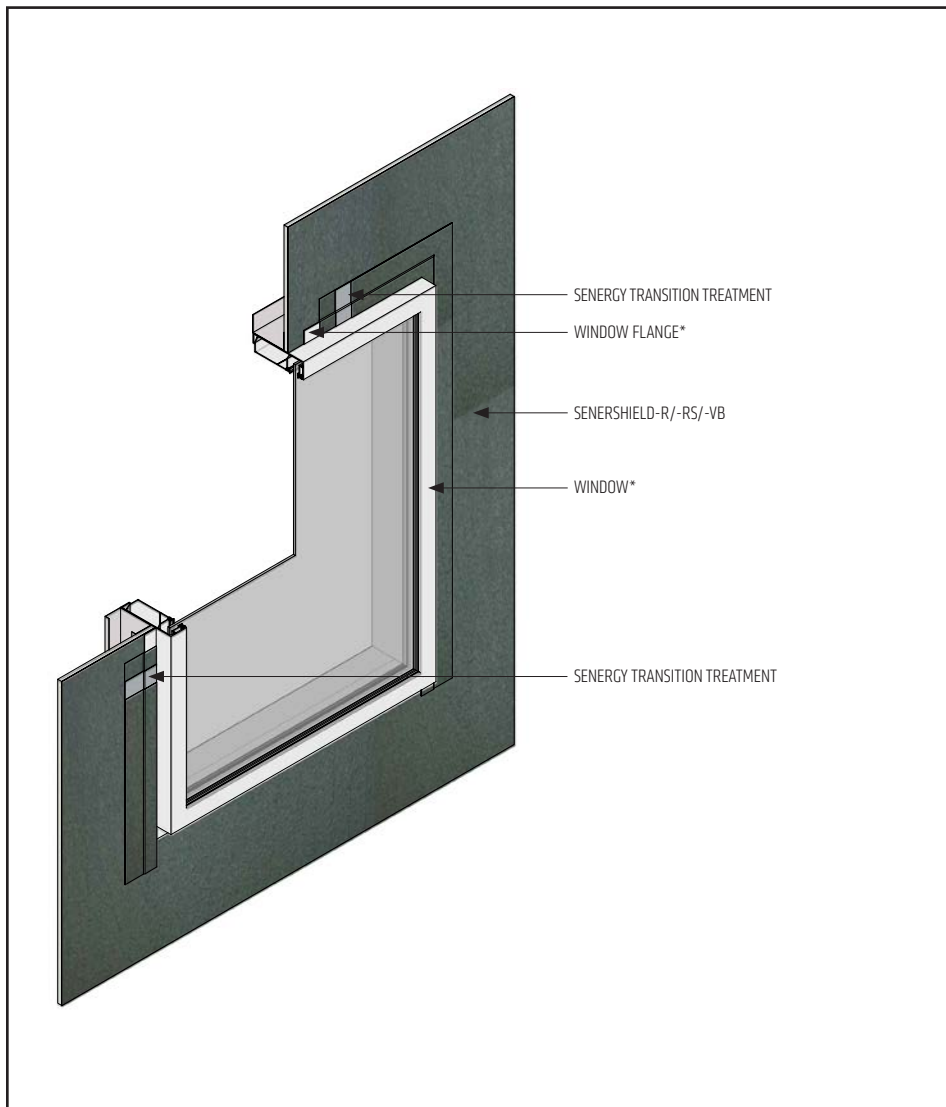
- Center SikaWall Flash Seal NP so half of the width covers through wall flashing and half covers the sheathing.
- If using a termination bar, Senergy joint treatment must be beneath through wall flashing.
- Senergy Joint Treatment Options: SikaWall MaxFlash, SikaWall Sheathing Fabric embedded in Senershield-R/-RS/-VB or SikaWall Flash Seal NP.

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Senershield-R/-RS/-VB

TYPICAL WINDOW FLANGE TREATMENT



AWRB-14

2401

(*NOTE: BY OTHERS)

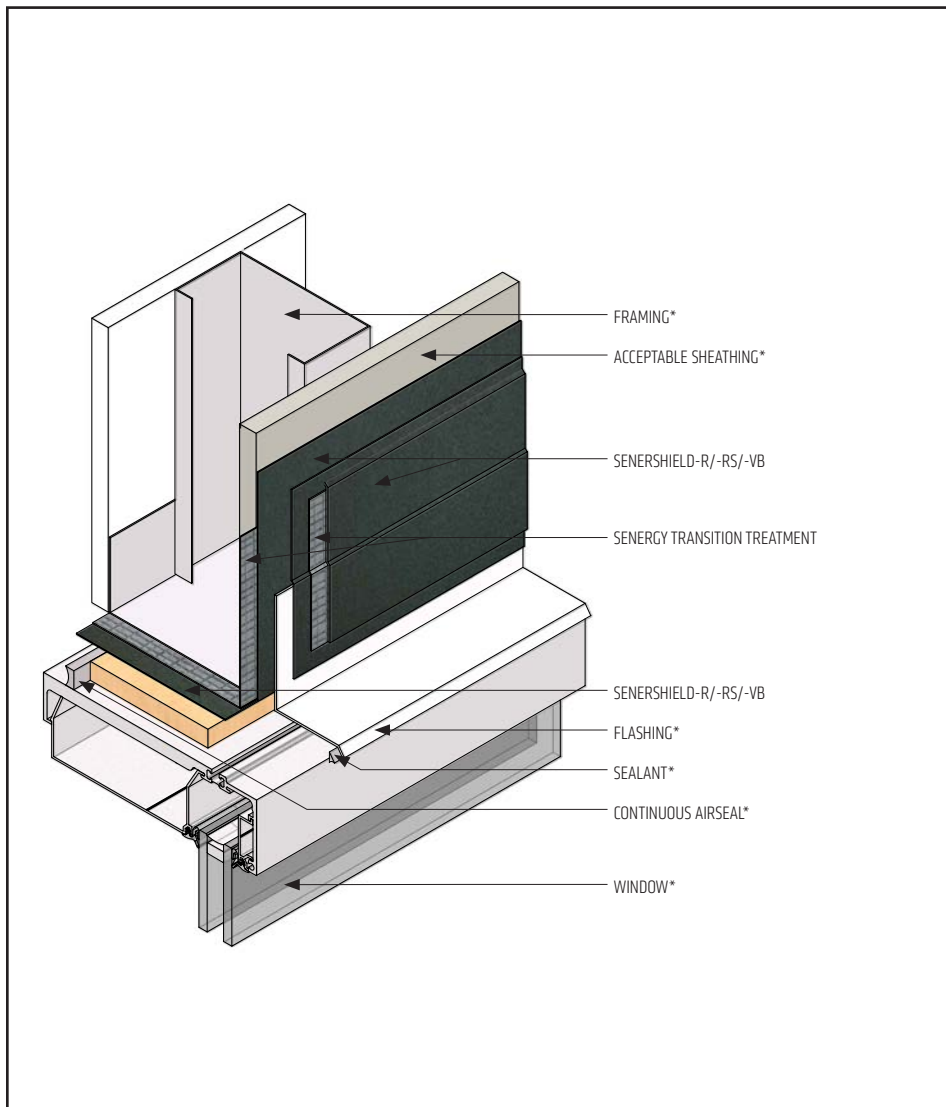
- Prior to window installation, ensure water-resistive barrier is properly applied into the rough openings in accordance with application guidelines and code requirements. See details AWRB 04-07.
- Do not block drainage at window sill.
- Air seal to window by others.
- Senergy Transition Treatment Options: SikaWall MaxFlash, SikaWall Sheathing Fabric embedded in Senershield-R/-RS/-VB or SikaWall Flash Seal NP.
- Consult window and sealant manufacturers to verify window installation, detailing and to ensure no water leakage into the wall assembly.

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Senershield-R/-RS/-VB

TYPICAL WINDOW HEAD



AWRB-15

2401

(*NOTE: BY OTHERS)

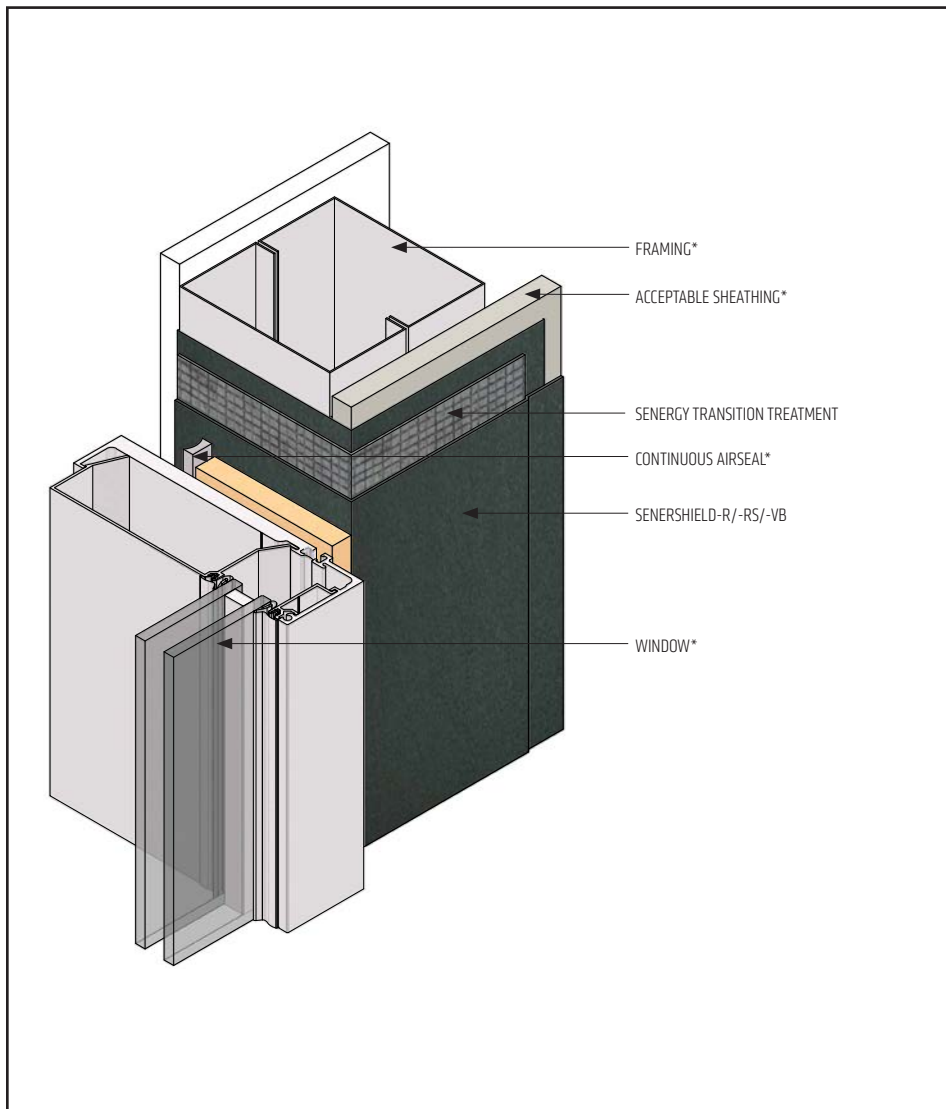
- Provide end dams at flashing terminations.
- If blocking is installed prior to Senershield-R/-RS/-VB application, it shall be treated as a rough opening; verify adhesion before proceeding.
- Senergy Transition Treatment Options: SikaWall MaxFlash, SikaWall Sheathing Fabric embedded in Senershield-R/-RS/-VB or SikaWall Flash Seal NP.
- Prior to window installation, ensure water-resistant barrier is properly applied into the rough openings in accordance with application guidelines and code requirements. See details AWRB 04-07.
- Consult window and sealant manufacturers to verify window installation, detailing and to ensure no water leakage into the wall assembly.

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Senershield-R/-RS/-VB

TYPICAL WINDOW JAMB



AWRB-16

2401

(*NOTE: BY OTHERS)

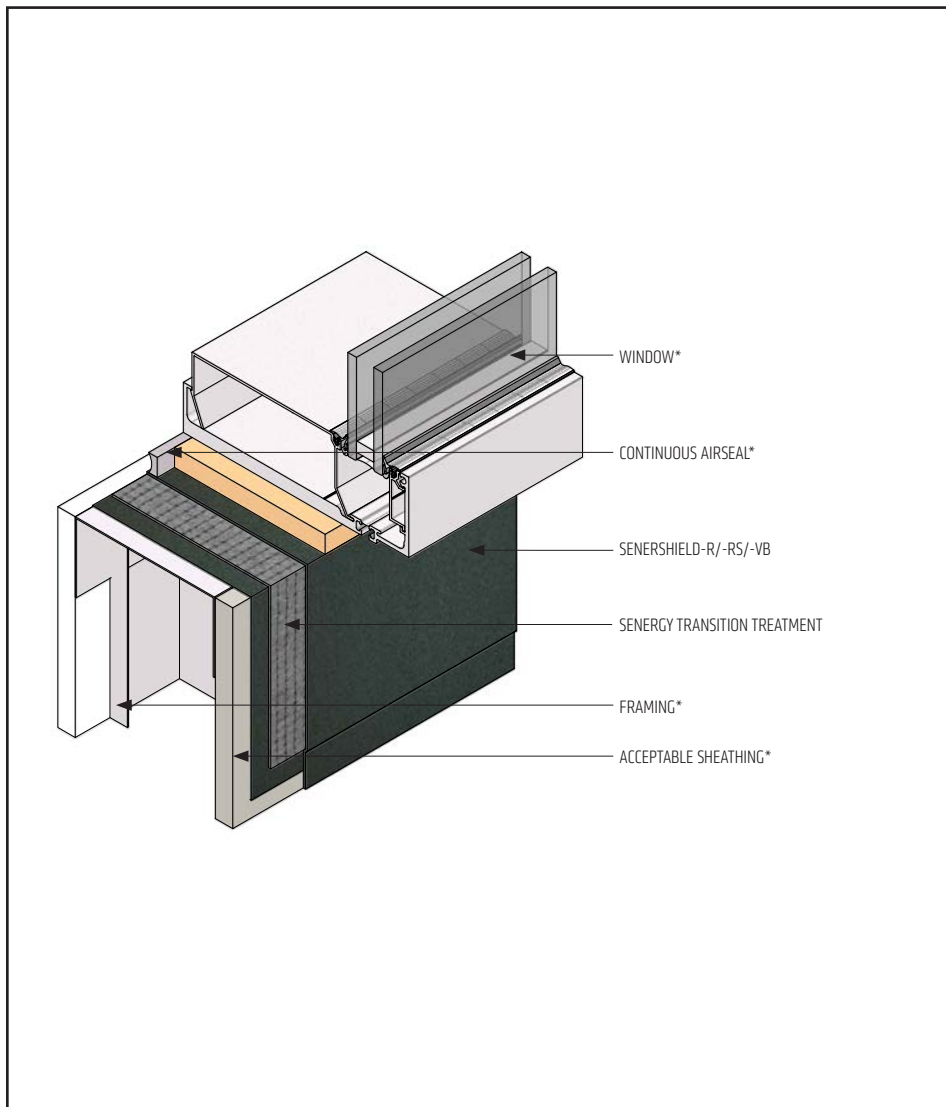
- Apply SikaWall Flash Seal NP over punched stud opening.
- If blocking is installed prior to Senershield-R/-RS/-VB application, it shall be treated as a rough opening; verify adhesion before proceeding.
- Senergy Transition Treatment Options: SikaWall MaxFlash, SikaWall Sheathing Fabric embedded in Senershield-R/-RS/-VB or SikaWall Flash Seal NP.
- Prior to window installation, ensure water-resistive barrier is properly applied into the rough openings in accordance with application guidelines and code requirements. See details AWRB 04-07.
- Consult window and sealant manufacturers to verify window installation, detailing and to ensure no water leakage into the wall assembly.

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Senershield-R/-RS/-VB

TYPICAL WINDOW SILL



AWRB-17

2401

(*NOTE: BY OTHERS)

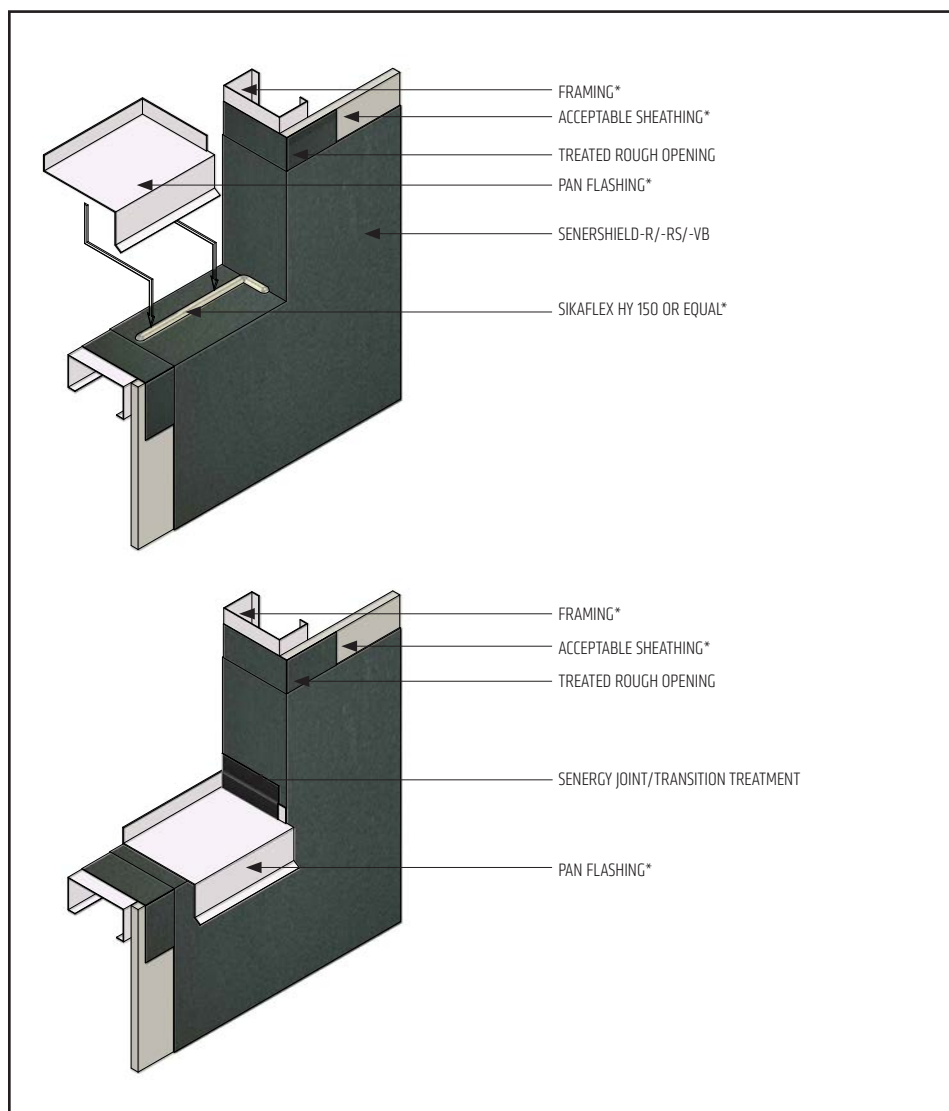
- Install end/back dams as required.
- If blocking is installed prior to Senershield-R/-RS/-VB application, it shall be treated as a rough opening; verify adhesion before proceeding.
- If pan flashing is required, see detail AWRB-18.
- Senergy Transition Treatment Options: SikaWall MaxFlash, SikaWall Sheathing Fabric embedded in Senershield-R/-RS/-VB or SikaWall Flash Seal NP.
- Prior to window installation, ensure water-resistant barrier is properly applied into the rough openings in accordance with application guidelines and code requirements. See details AWRB 04-07.
- Consult window and sealant manufacturers to verify window installation, detailing and to ensure no water leakage into the wall assembly.

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Senershield-R/-RS/-VB

TYPICAL PAN FLASHING



AWRB-18

2401

(*NOTE: BY OTHERS)

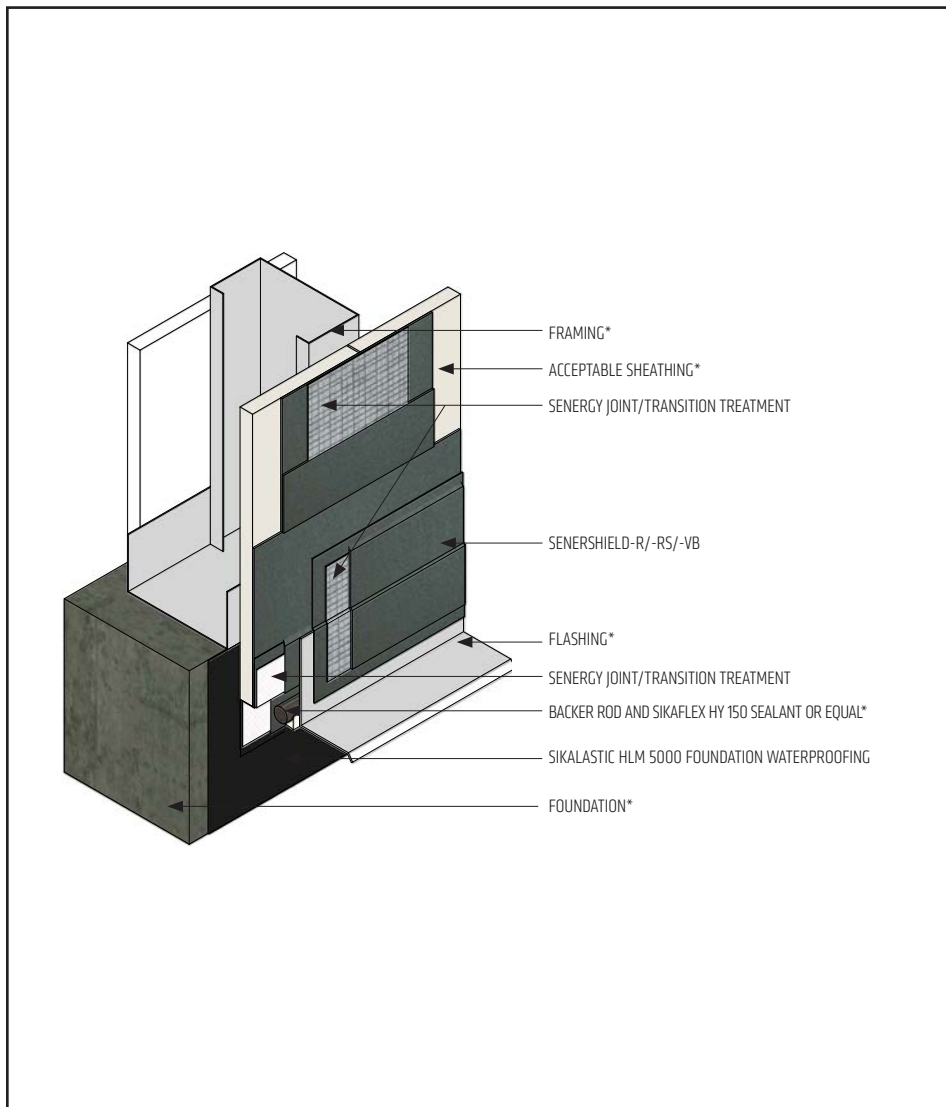
- Install Sikaflex HY 150 sealant or equal as depicted onto the sill and jamb to maintain continuity of the air barrier.
- Install pan flashing into the wet sealant. Remove excess sealant as required.
- Install Senergy Joint Treatment at the jamb end dams.
- Senergy Joint/Transition Treatment Options: SikaWall MaxFlash, SikaWall Sheathing Fabric embedded in Senershield-R/-RS/-VB or SikaWall Flash Seal NP.
- Prior to pan flashing installation, ensure water-resistant barrier is properly applied into the rough opening in accordance with application guidelines and code requirements. See details AWRB 04-07.

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Senershield-R/-RS/-VB

TYPICAL TERMINATION AT GRADE – SHEATHING OVERLAPPING FOUNDATION



- Extend flashing over Senergy transition treatment on foundation.
- If SikaWall MaxFlash is used at foundation transition, apply at 20–30 mils.
- Senergy Joint/Transition Treatment Options: SikaWall MaxFlash, SikaWall Sheathing Fabric embedded in Senershield-R/-RS/-VB or SikaWall Flash Seal NP.
- If SikaWall Flash Seal NP is used, it must be fully coated with Senershield-R/-RS/-VB.

AWRB-19

2401

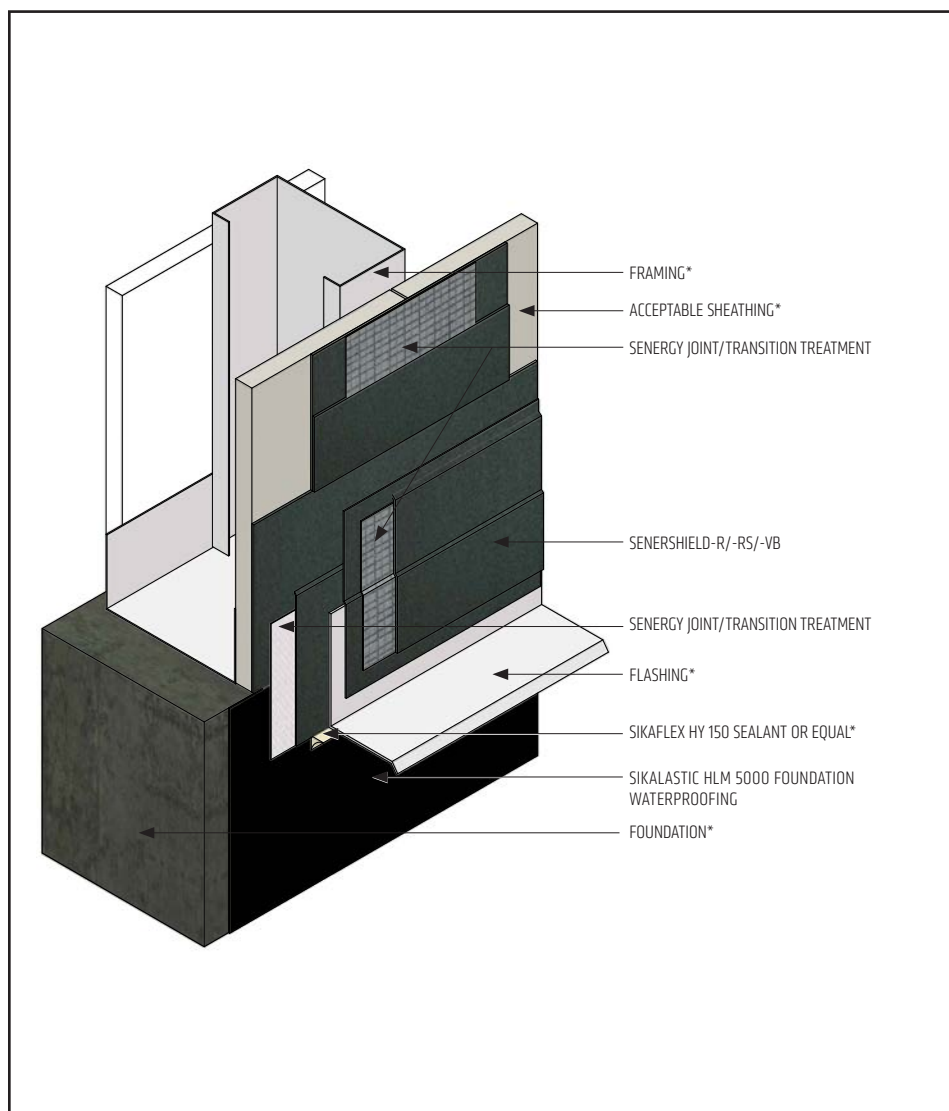
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Senershield-R/-RS/-VB

TYPICAL TERMINATION AT GRADE – SHEATHING FLUSH WITH FOUNDATION



- Extend flashing over Senergy transition treatment on foundation.
- Senergy Joint/Transition Treatment Options: SikaWall MaxFlash, SikaWall Sheathing Fabric embedded in Senershield-R/-RS/-VB or SikaWall Flash Seal NP.
- If SikaWall Flash Seal NP is used, it must be fully coated with Senershield-R/-RS/-VB.

AWRB-20

2401

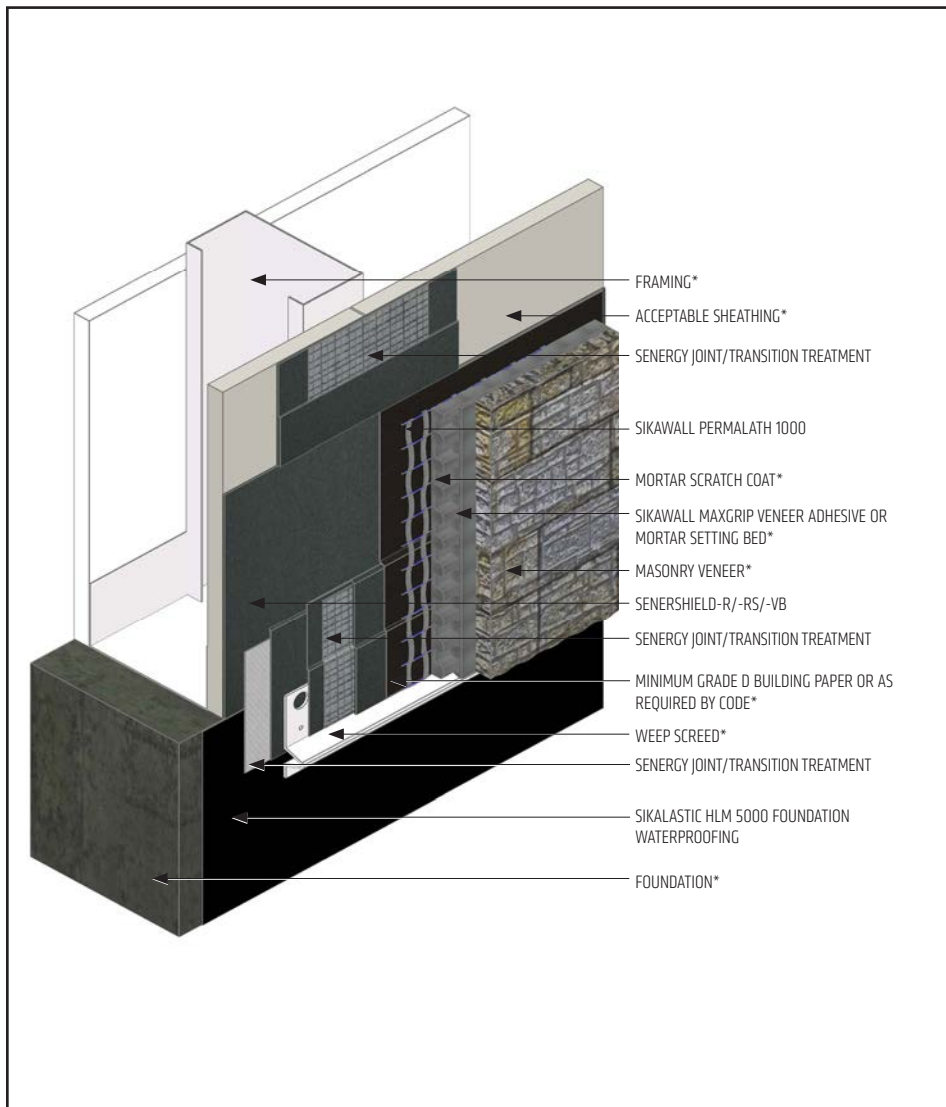
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Senershield-R/-RS/-VB

TYPICAL TERMINATION AT GRADE – MASONRY VENEER



AWRB-21

2401

(*NOTE: BY OTHERS)

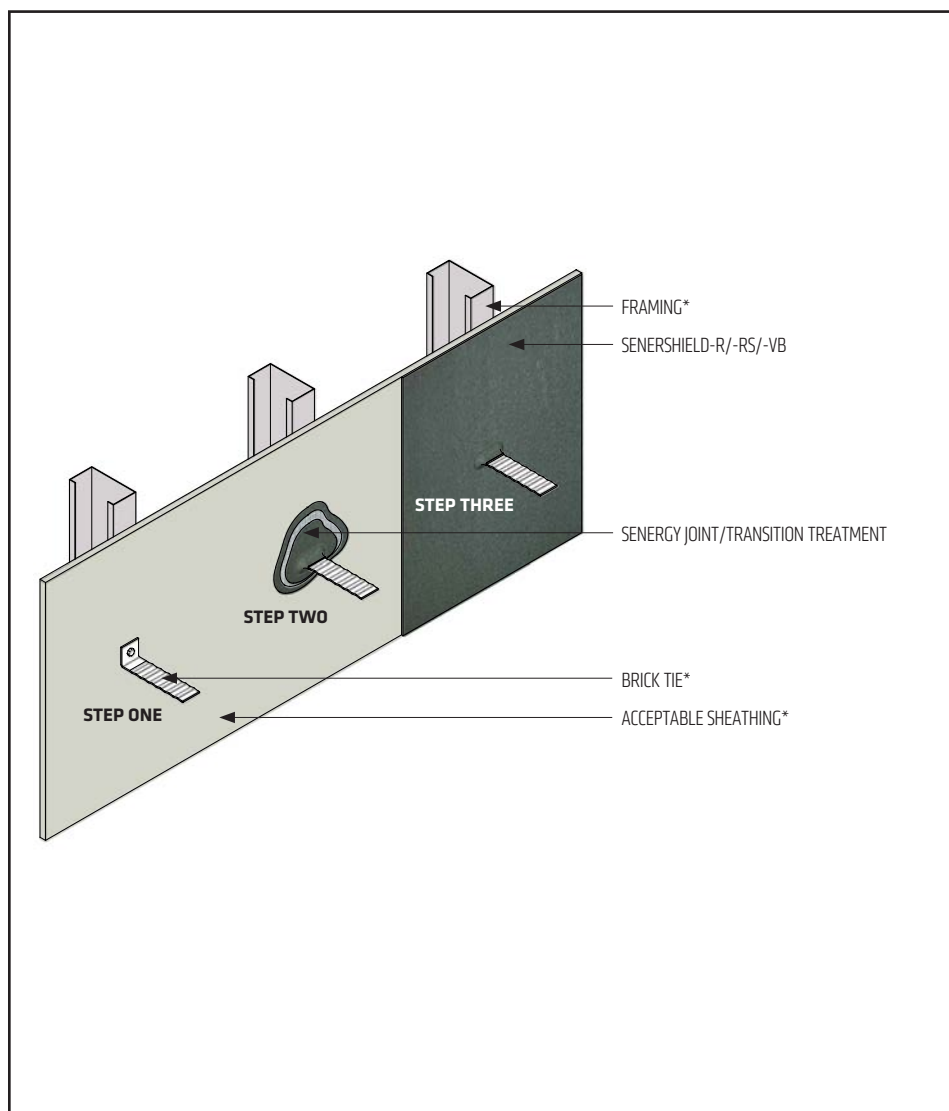
- Ensure Senershield-R/-RS/-VB fully covers Senergy joint/transition treatment at overlap.
- If SikaWall Flash Seal NP is used, it must be fully coated with Senershield-R/-RS/-VB.
- Senergy Joint/Transition Treatment Options: SikaWall MaxFlash, SikaWall Sheathing Fabric embedded in Senershield-R/-RS/-VB or SikaWall Flash Seal NP.

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Senershield-R/-RS/-VB

TYPICAL BRICK ANCHOR (INSTALLED PRIOR TO AWRB APPLICATION)



- Senergy Joint/Transition Treatment Options: SikaWall MaxFlash, SikaWall Sheathing Fabric embedded in Senershield-R/-RS/-VB or SikaWall Flash Seal NP.
- Consult the brick tie manufacturer for proper attachment.

AWRB-22

2401

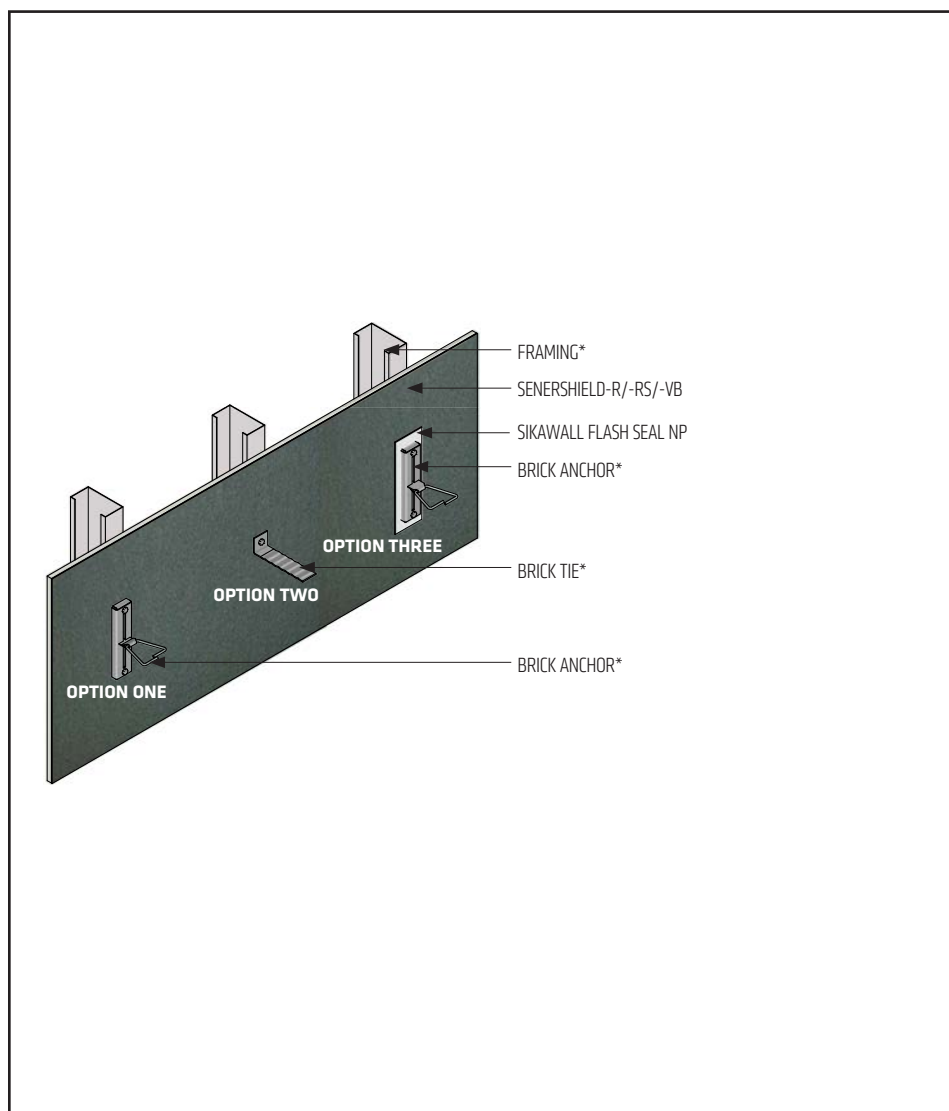
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Senershield-R/-RS/-VB

TYPICAL BRICK ANCHOR (INSTALLED AFTER AWRB APPLICATION)



AWRB-23

2401

(*NOTE: BY OTHERS)

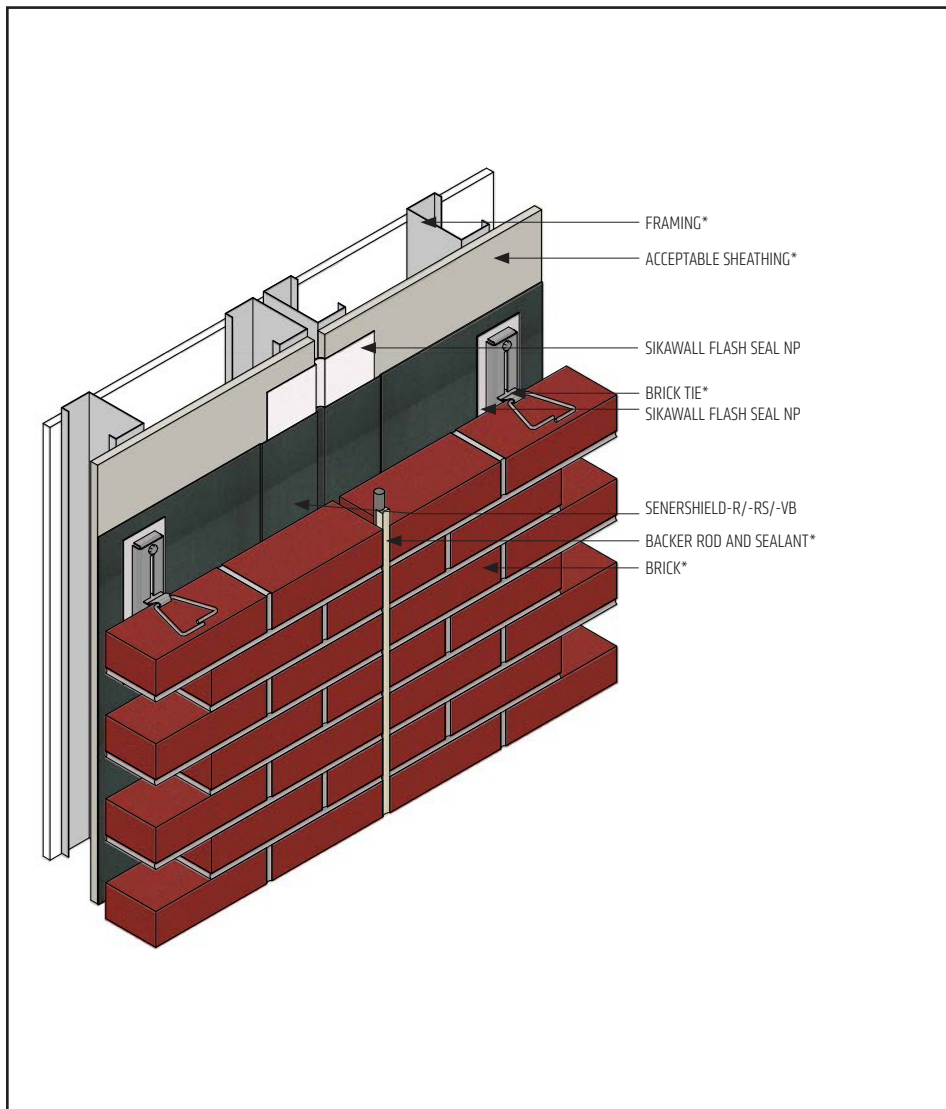
- For additional information, see Senershield Fastener Self-Sealing technical bulletin.
- Consult the brick anchor manufacturer for proper attachment.
- Additional Senershield-R/-RS/-VB, SikaWall MaxFlash or sealant may be post applied at anchor points.
- Option 3: Apply SikaWall Flash Seal NP to Senershield-R/-RS/-VB prior to application of brick anchor.

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Senershield-R/-RS/-VB

TYPICAL BRICK EXPANSION JOINT



- See detail AWRB-22 & 23 for typical brick anchor treatment.
- Fully coat SikaWall Flash Seal NP with Senershield-R/-RS/-VB.

AWRB-24

2401

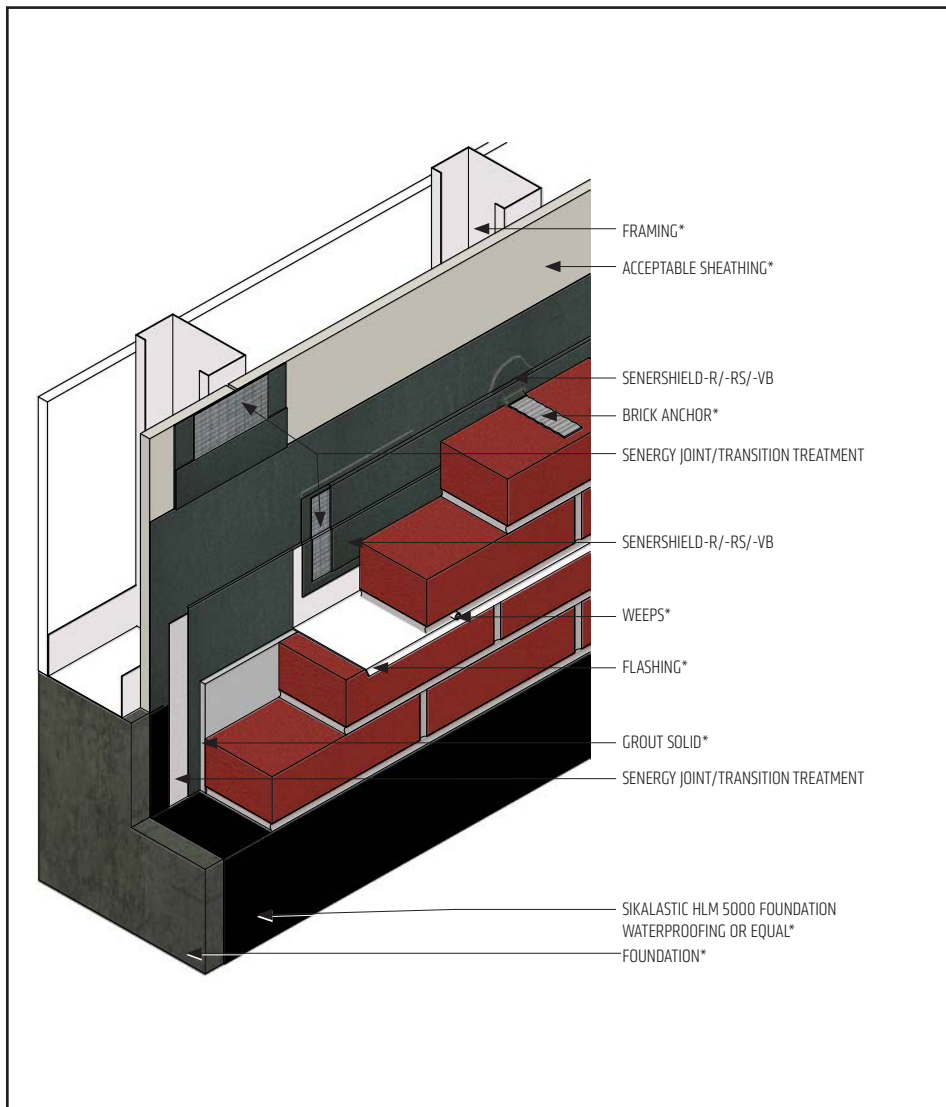
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Senershield-R/-RS/-VB

TYPICAL TERMINATION AT GRADE - BRICK



AWRB-25

2401

(*NOTE: BY OTHERS)

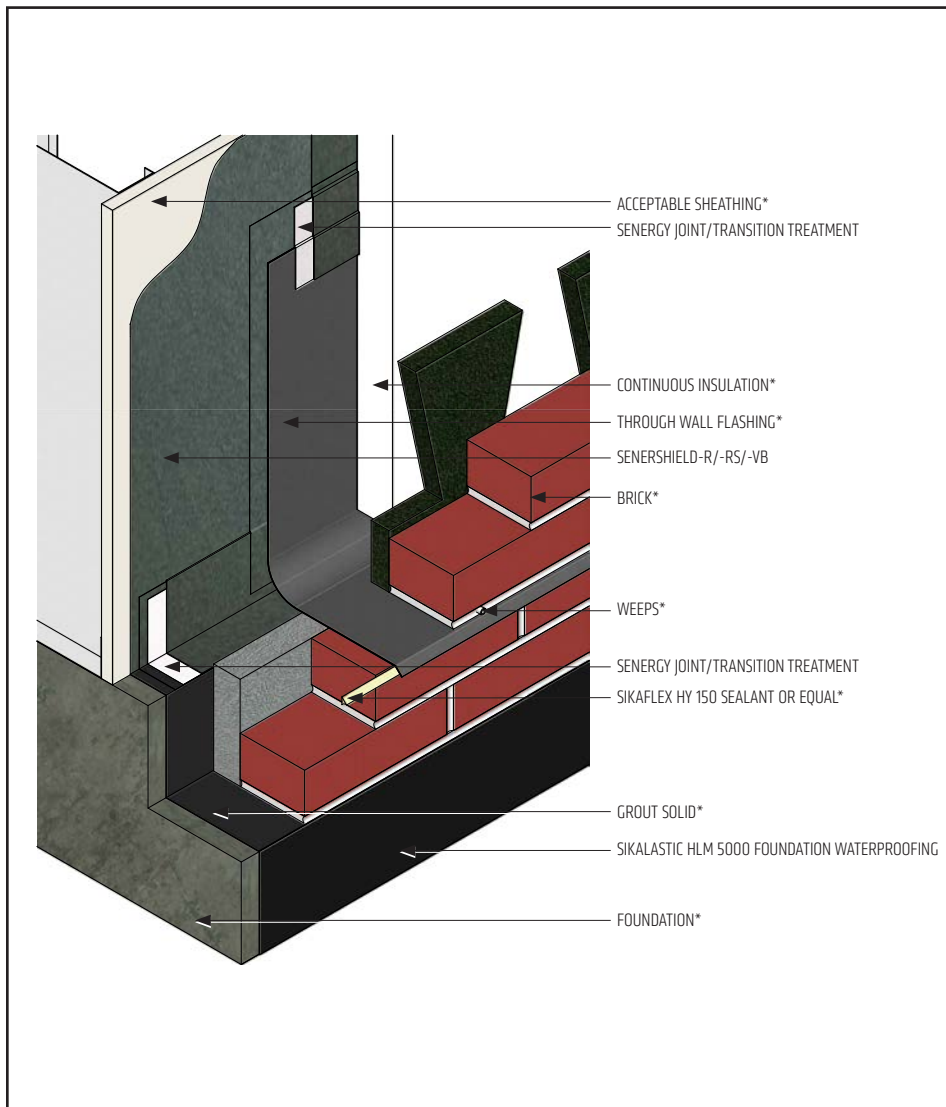
- Ensure Senershield-R/-RS/-VB fully covers Senergy joint treatment at flashing overlap.
- Senergy Joint/Transition Treatment Options: SikaWall MaxFlash, SikaWall Sheathing Fabric embedded in Senershield-R/-RS/-VB or SikaWall Flash Seal NP.
- If SikaWall Flash Seal NP is used, it must be fully coated with Senershield-R/-RS/-VB.

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Senershield-R/-RS/-VB

TYPICAL TERMINATION AT FOUNDATION WITH THROUGH WALL FLASHING – BRICK



- Air space between sheathing and brick per design (not shown).
- Senergy Joint/Transition Treatment Options: SikaWall MaxFlash, SikaWall Sheathing Fabric embedded in Senershield-R/-RS/-VB or SikaWall Flash Seal NP.
- If SikaWall Flash Seal NP is used, it must be fully coated with Senershield-R/-RS/-VB.

AWRB-26

2401

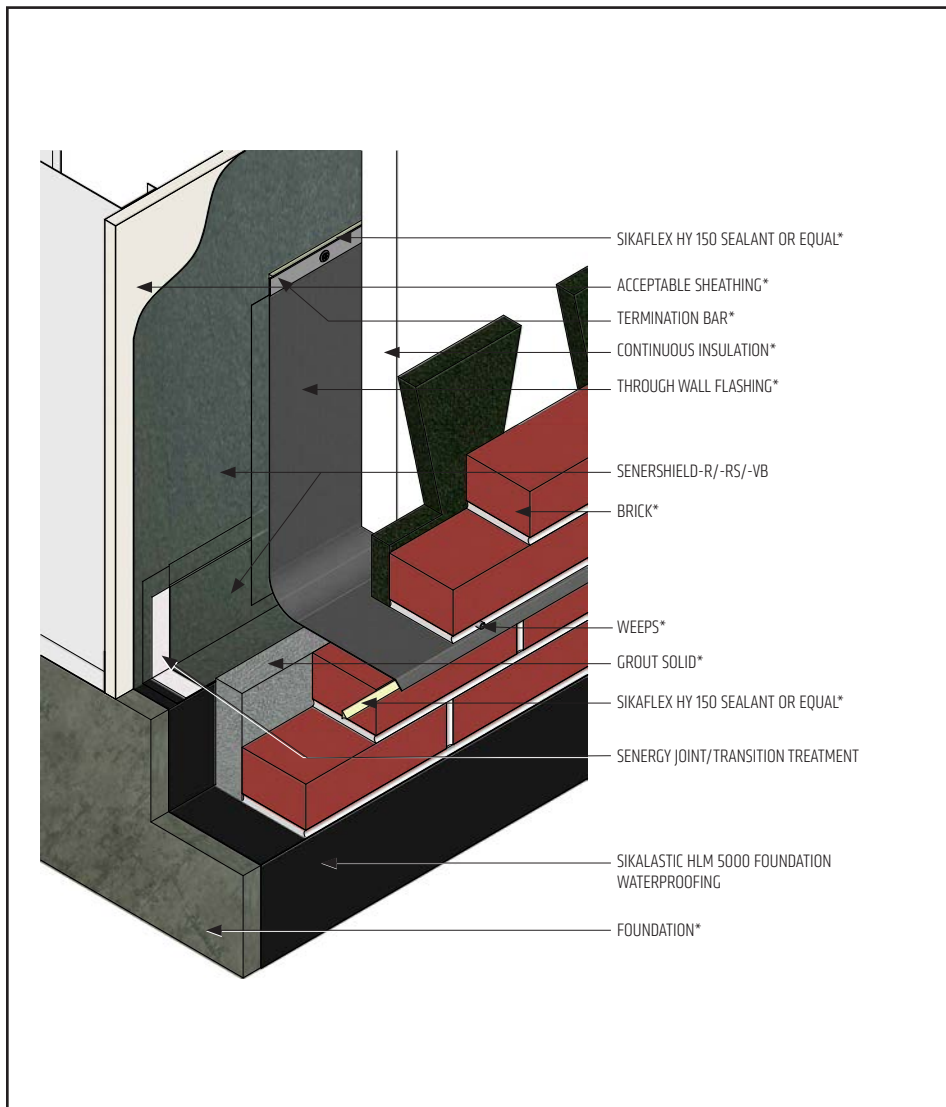
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Senershield-R/-RS/-VB

TYPICAL TERMINATION AT FOUNDATION INCORPORATING TERMINATION BAR WITH THROUGH WALL FLASHING - BRICK



- Air space between sheathing and brick per design (not shown).
- Senergy Joint/Transition Treatment Options: SikaWall MaxFlash, SikaWall Sheathing Fabric embedded in Senershield or SikaWall Flash Seal NP.
- If SikaWall Flash Seal NP is used, it must be fully coated with Senershield-R/-RS/-VB.

AWRB-27

2401

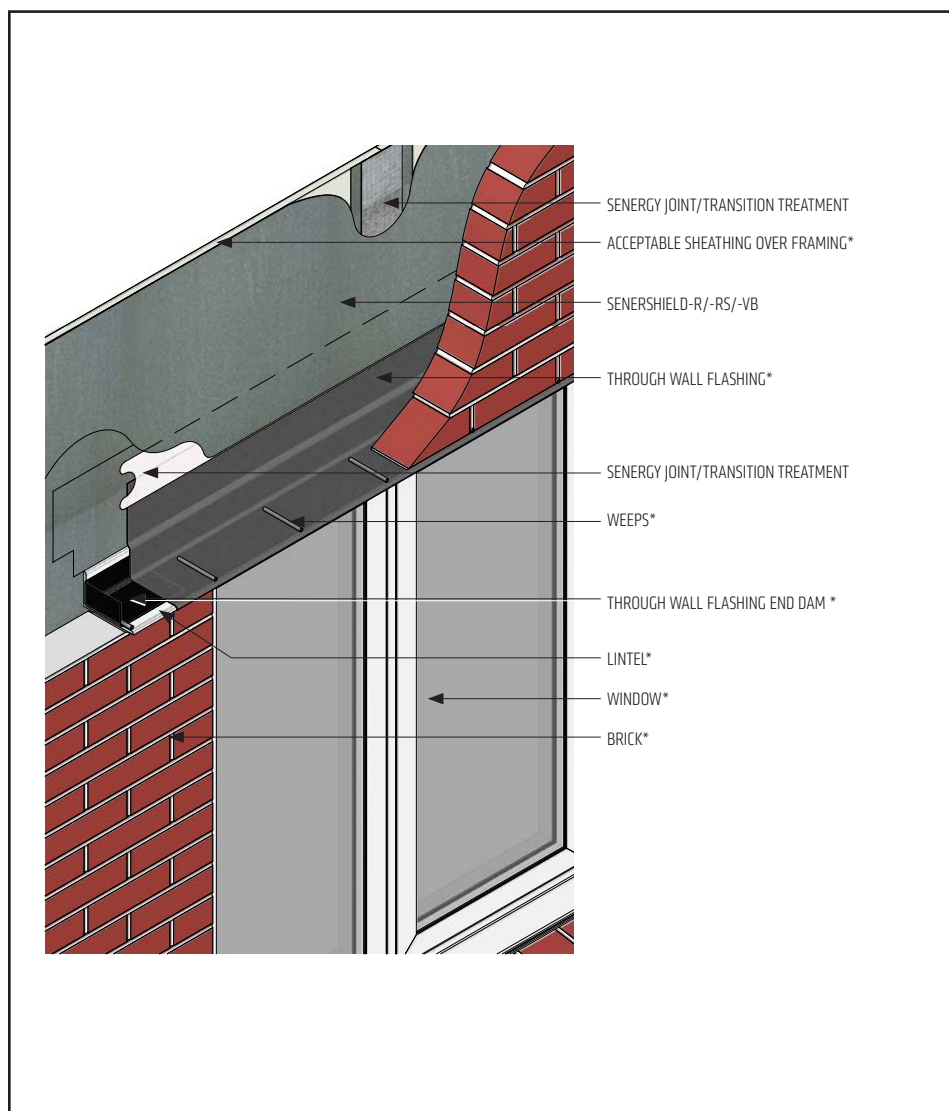
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Senershield-R/-RS/-VB

TYPICAL THROUGH WALL FLASHING AT HEAD – BRICK



- Center Senergy transitional treatment so half of the width covers through wall flashing and half covers the substrate.
- Senergy Joint/Transition Treatment Options: SikaWall MaxFlash, SikaWall Sheathing Fabric embedded in Senershield or SikaWall Flash Seal NP.
- If SikaWall Flash Seal NP is used, it must be fully coated with Senershield-R/-RS/-VB.

AWRB-28

2401

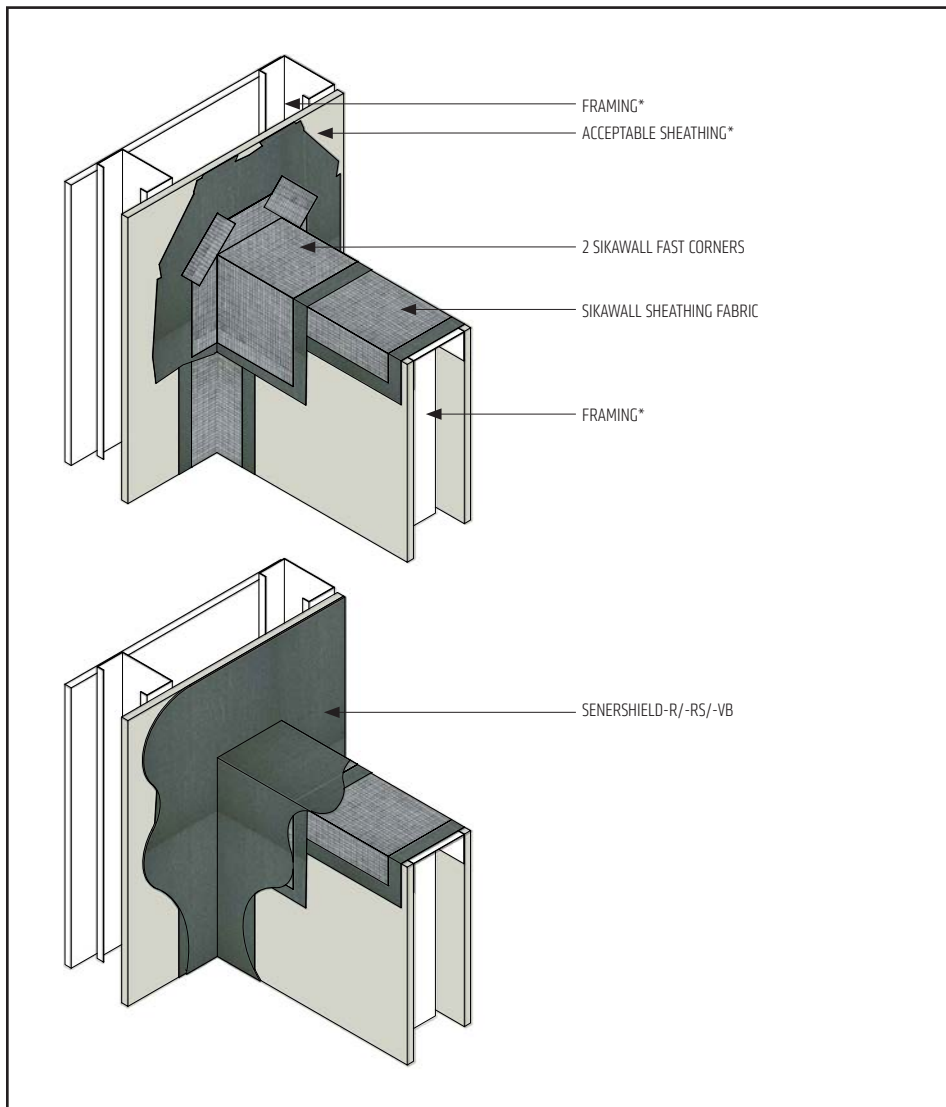
(*NOTE: BY OTHERS)

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Senershield-R/-RS/-VB

TYPICAL SADDLE APPLICATION INCORPORATING SHEATHING FABRIC



- Embed SikaWall Fast Corner Fabric and SikaWall Sheathing Fabric in Senershield-R/-RS/-VB.
- Two SikaWall Fast Corners are used, one on each side of the saddle.

AWRB-29

2401

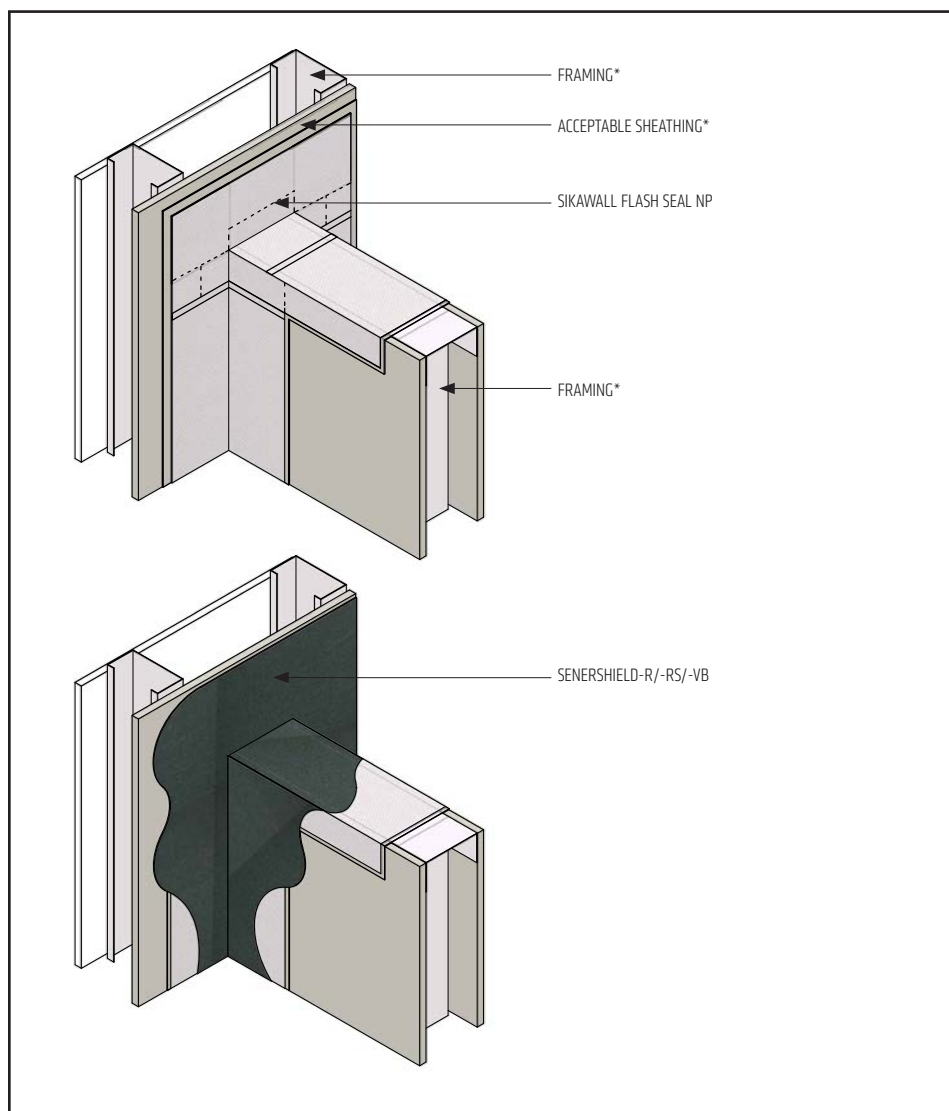
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Senershield-R/-RS/-VB

TYPICAL SADDLE APPLICATION INCORPORATING SIKAWALL FLASH SEAL NP



- Fully coat SikaWall FlashSeal NP with Senershield-R/-RS/-VB.

AWRB-30

2401

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Senershield-R/-RS/-VB

TYPICAL KICK-OUT FLASHING



- Where Senergy joint/transition treatment is installed over the flashing, ensure termination occurs a minimum of 2" above the roof.
- Senergy Joint/Transition Treatment Options: SikaWall MaxFlash, SikaWall Sheathing Fabric embedded in Senershield or SikaWall Flash Seal NP.
- If SikaWall Flash Seal is used, it must be fully coated with Senershield-R/-RS/-VB.

AWRB-31

2401

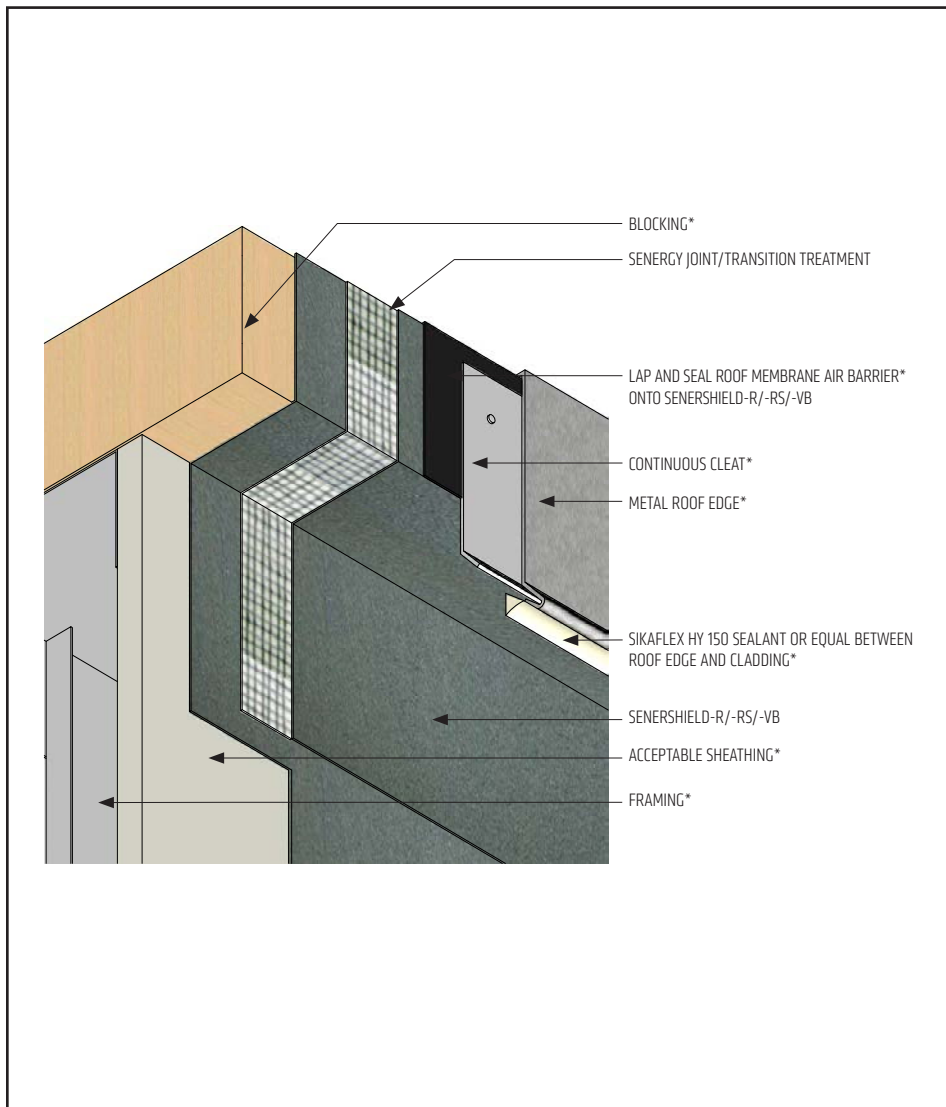
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Senershield-R/-RS/-VB

TYPICAL ROOF EDGE FLASHING



AWRB-32

2401

(*NOTE: BY OTHERS)

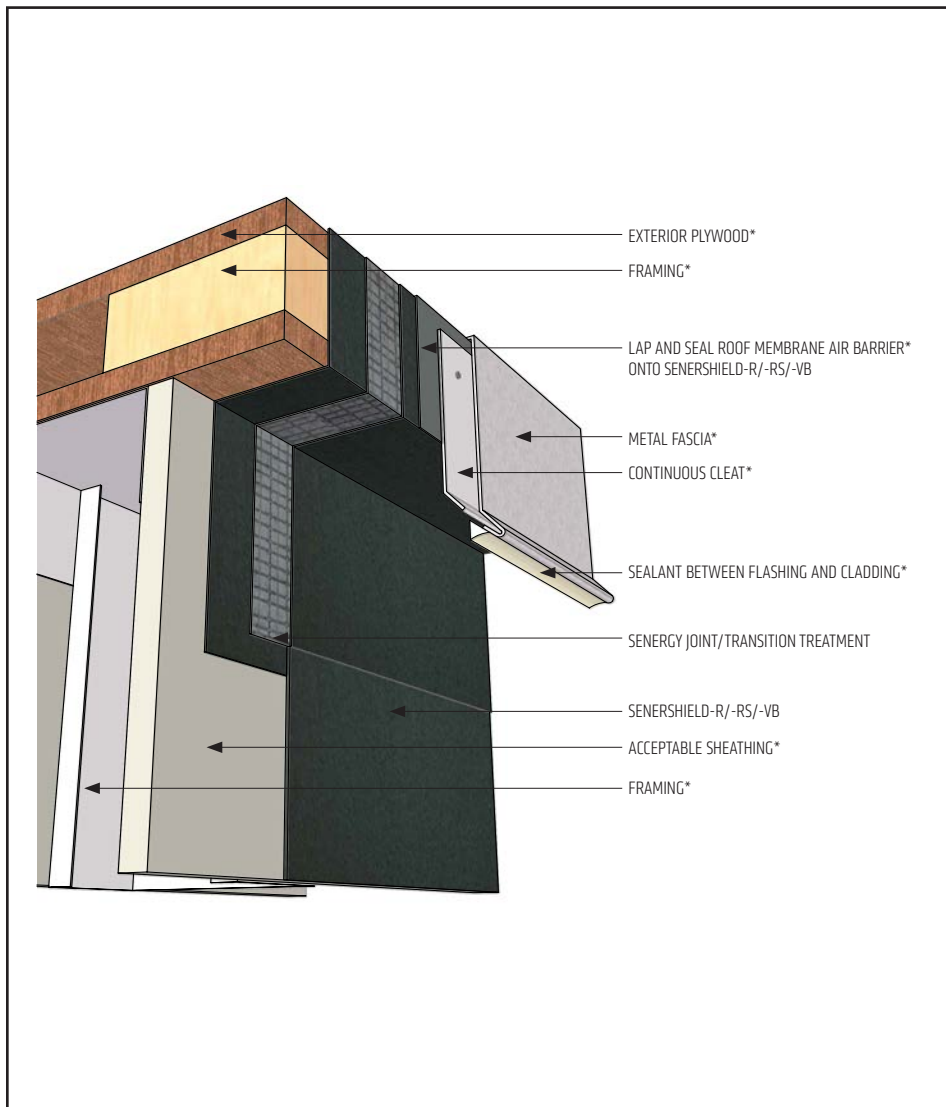
- Ensure continuity of air barrier is maintained.
- Avoid solvent-based adhesives/primers where roofing laps Senershield-R/-RS/-VB.
- Senergy Joint/Transition Treatment Options: SikaWall MaxFlash, SikaWall Sheathing Fabric embedded in Senershield or SikaWall Flash Seal NP.
- If SikaWall Flash Seal NP is used, it must be fully coated with Senershield-R/-RS/-VB.

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Senershield-R/-RS/-VB

TYPICAL ROOF EDGE FLASHING



AWRB-33

2401

(*NOTE: BY OTHERS)

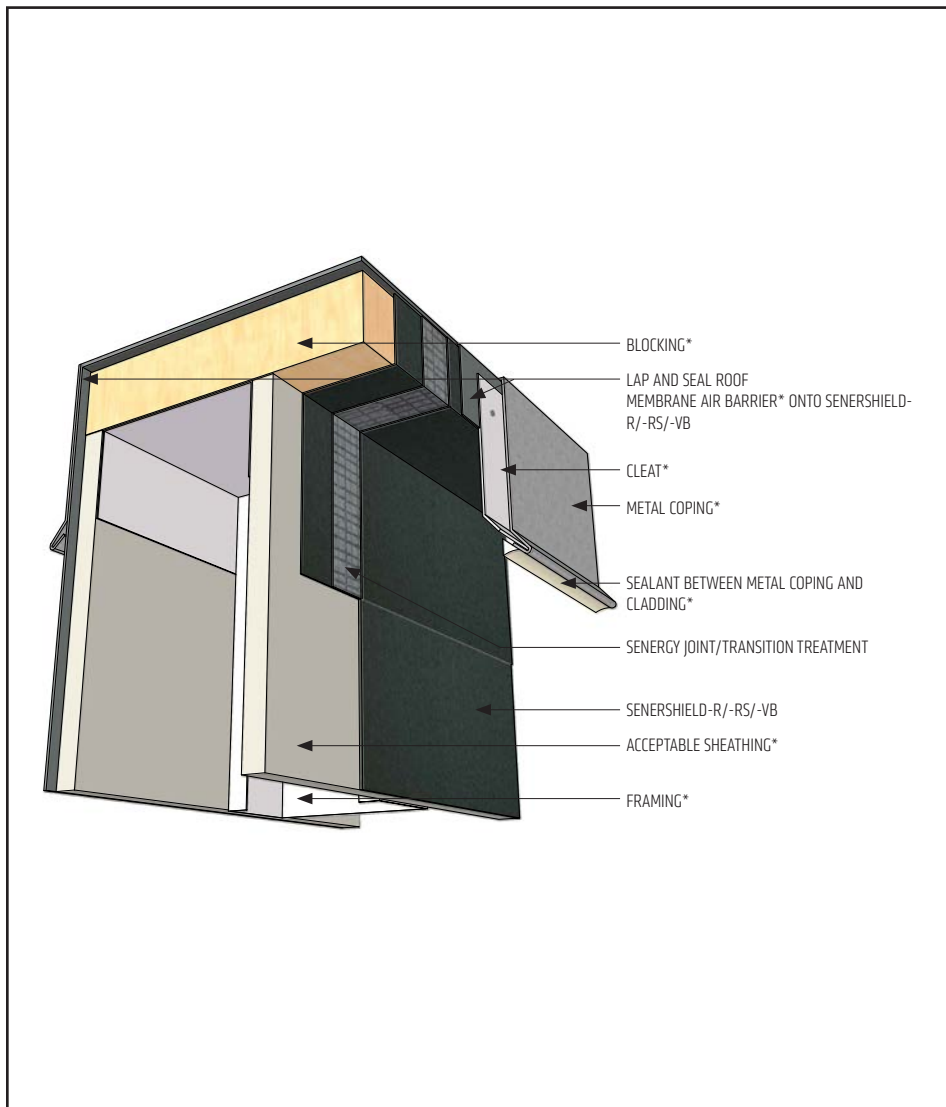
- Senergy Joint/Transition Treatment Options: SikaWall MaxFlash, SikaWall Sheathing Fabric embedded in Senershield or SikaWall Flash Seal NP.
- If SikaWall Flash Seal NP is used, it must be fully coated with Senershield-R/-RS/-VB.
- Avoid solvent-based adhesives/primers where roofing laps Senershield-R/-RS/-VB.

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Senershield-R/-RS/-VB

TYPICAL PARAPET CAP FLASHING



- SikaWall Flash Seal NP may be used as an alternate to provide an air/water-resistive barrier at transition of SikaWall Sheathing to blocking.
- Senergy Joint/Transition Treatment Options: SikaWall MaxFlash, SikaWall Sheathing Fabric embedded in Senershield or SikaWall Flash Seal NP.
- If SikaWall Flash Seal NP is used, it must be fully coated with Senershield-R/-RS/-VB.

AWRB-34

2401

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