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Channeled Adhesive FB Design

A Systems Approach to the Building Enclosure

Typical Details

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Channeled Adhesive FB Design Details

Typical Details

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Notes:

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

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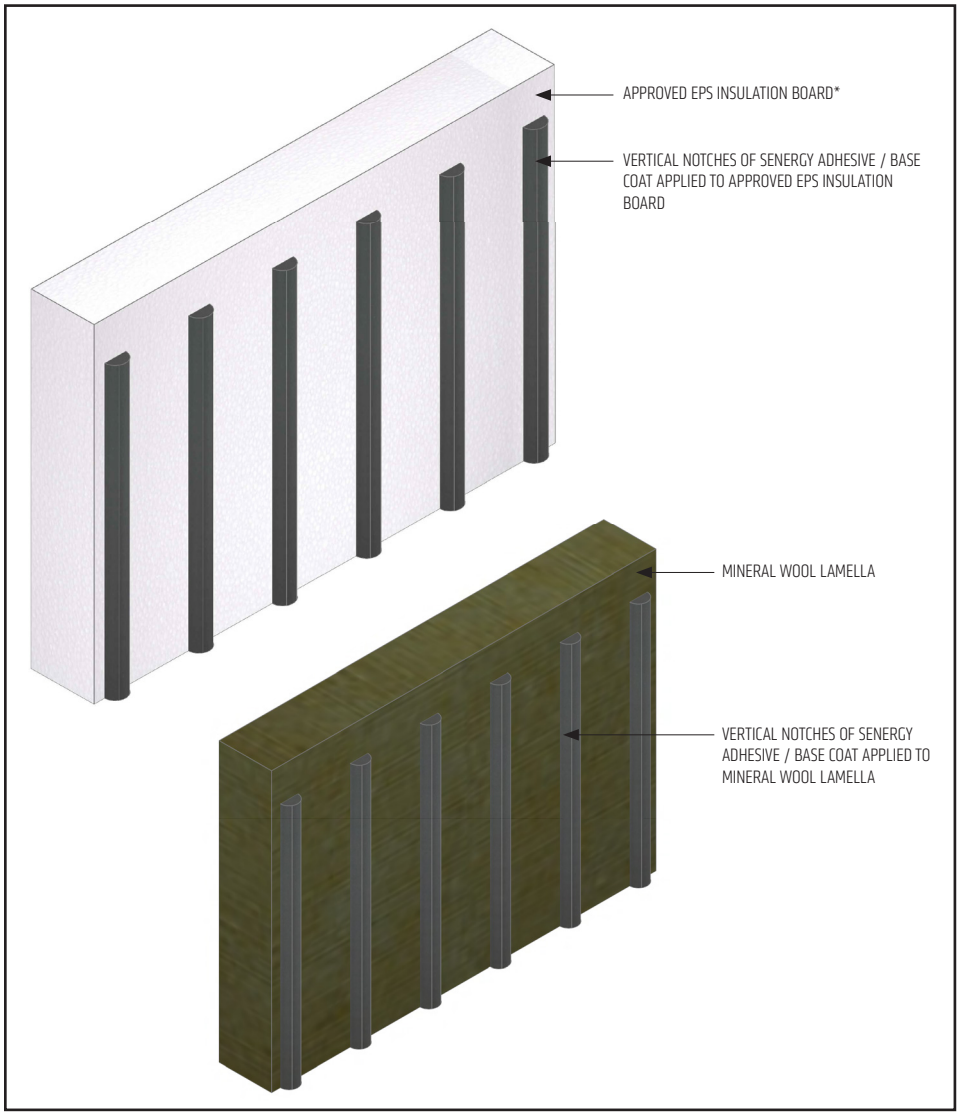
TYPICAL CHANNELED ADHESIVE PATTERN



CAD FB 01 2601

(*NOTE: BY OTHERS)

- Apply mixed Senergy Adhesive/Base Coat to entire surface of the mineral wool lamella and EPS insulation board using a stainless steel trowel with 1/2" x 1/2" (13 mm x 13 mm) notches spaced 2" (50 mm) apart.
- Ribbons of adhesive must be applied parallel to the 2' (610 mm) dimension of the EPS insulation board to ensure they are vertical when the EPS insulation board is applied to the substrate.
- Set EPS insulation board into place and apply pressure over entire surface of board to ensure positive uniform contact and high initial grab. Do not slide board into place.
- Ribbons of adhesive applied to mineral wool lamella insulation must be vertical when the lamella is applied to the substrate.

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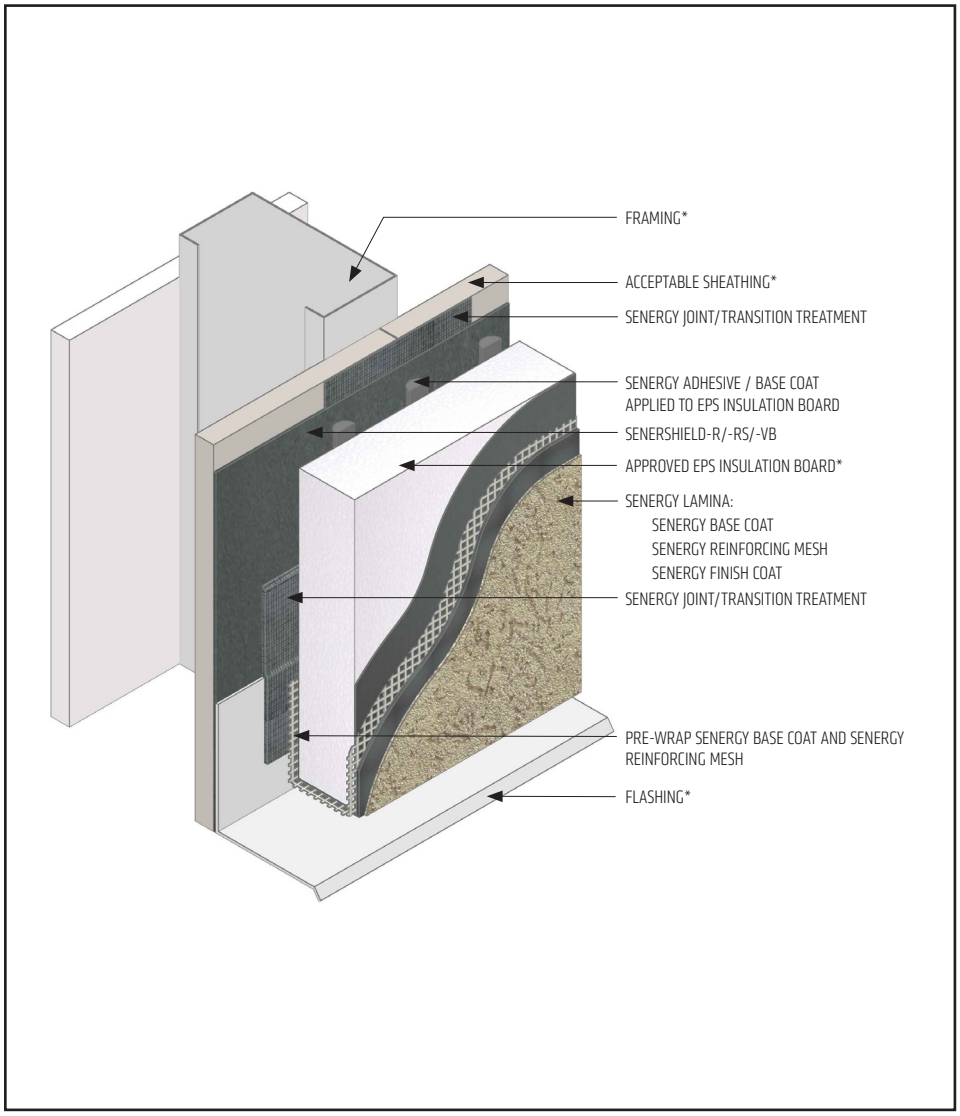
TYPICAL APPLICATION OVER FRAMING



- All terminations must be fully encapsulated with mesh reinforced base coat. Pre-backwrapping is recommended at drainage terminations. Extend reinforcing mesh a minimum of 2 1/2" onto back of insulation board.
- Ensure a means for drainage is provided at system termination.
- Senergy Joint/Transition Treatment Options: SikaWall MaxFlash, SikaWall Sheathing Fabric embedded in Senershield-R/-RS/-VB or SikaWall Flash Seal NP.

CAD FB 02 2601

(*NOTE: BY OTHERS)

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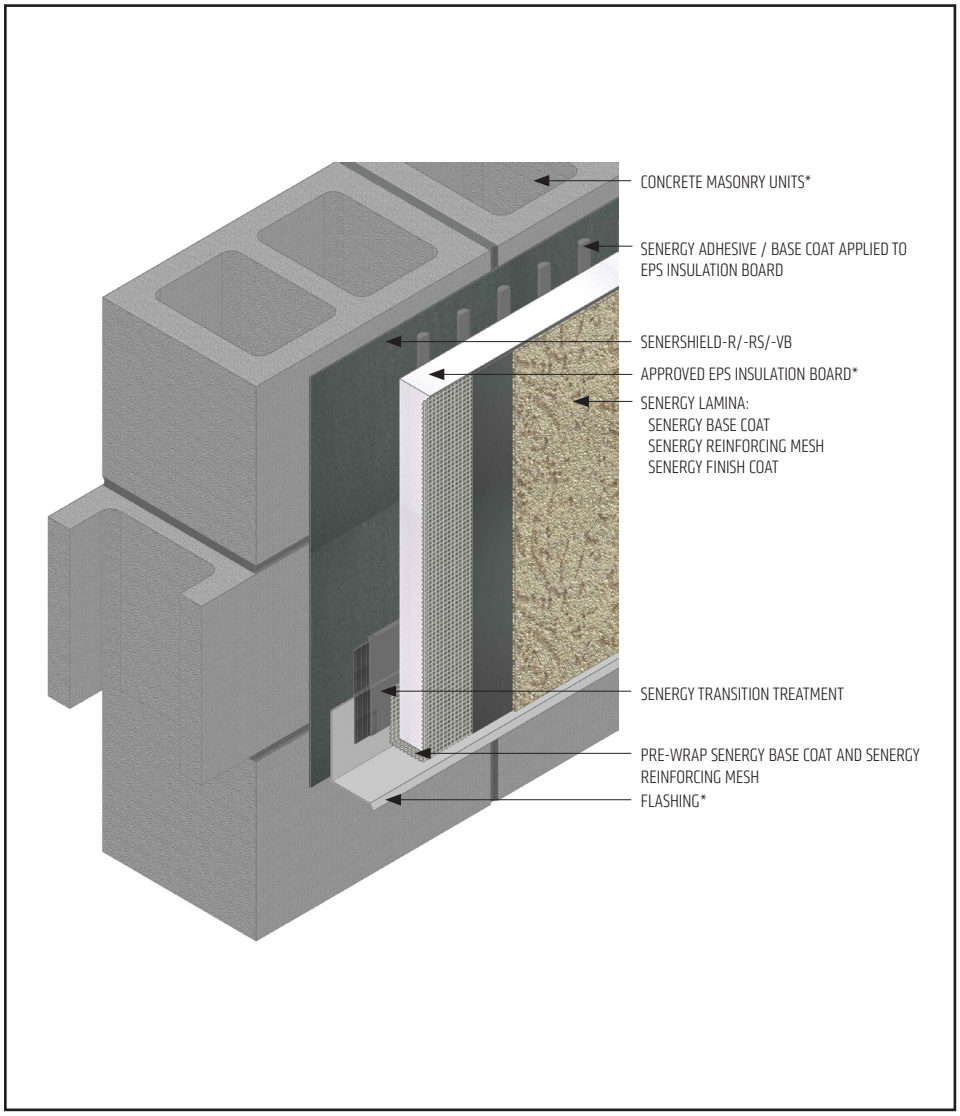
TYPICAL APPLICATION OVER CMU



CAD FB 03 2601

(*NOTE: BY OTHERS)

- All terminations must be fully encapsulated with mesh reinforced base coat. Pre-backwrapping is recommended at drainage terminations. Extend reinforcing mesh a minimum of 2 1/2" onto back of insulation board.
- Ensure a means for drainage is provided at system termination.
- Senergy Transition Treatment Options: SikaWall MaxFlash, SikaWall Sheathing Fabric embedded in Senershield-R/-RS/-VB or SikaWall Flash Seal NP.

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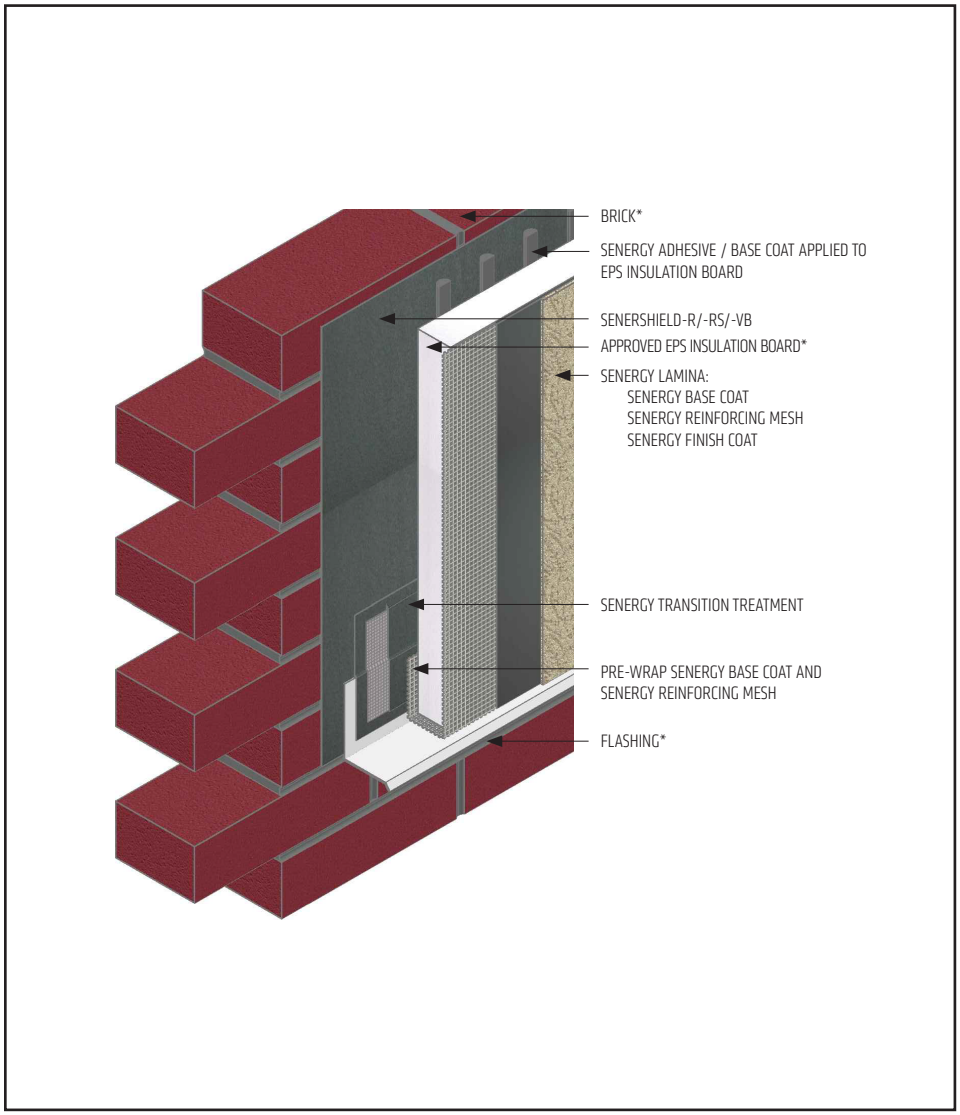
TYPICAL APPLICATION OVER BRICK



- All terminations must be fully encapsulated with mesh reinforced base coat. Pre-backwrapping is recommended at drainage terminations. Extend reinforcing mesh a minimum of 2 1/2" onto back of insulation board.
- Ensure a means for drainage is provided at system termination.
- Senergy Transition Treatment Options: SikaWall MaxFlash, SikaWall Sheathing Fabric embedded in Senershield-R/-RS/-VB or SikaWall Flash Seal NP.

CAD FB 04 2601

(*NOTE: BY OTHERS)

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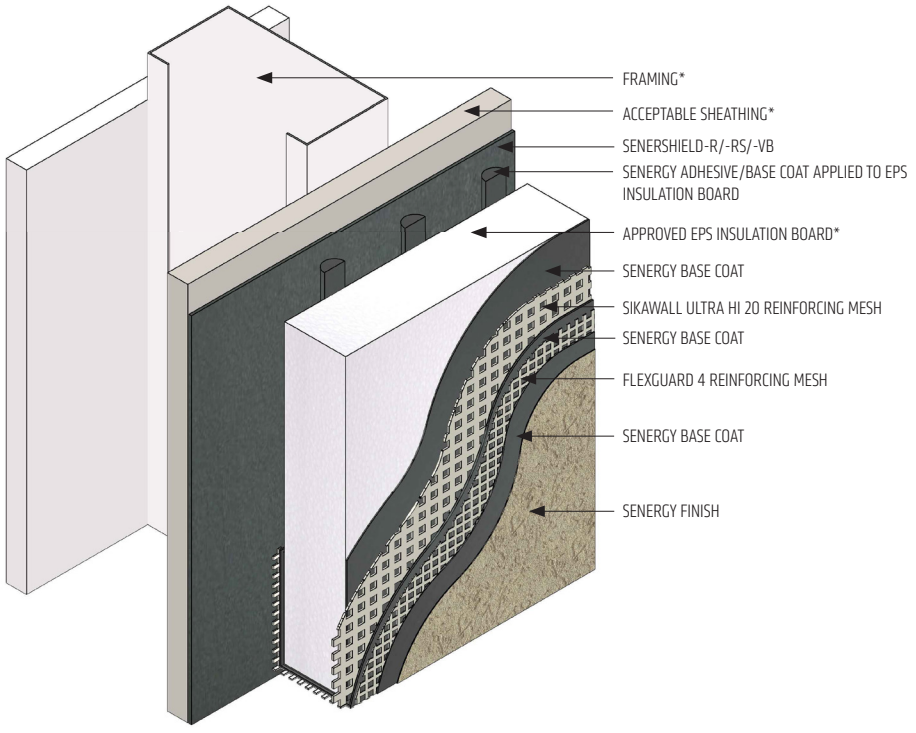
TYPICAL APPLICATION WITH HIGH IMPACT REINFORCING MESH



CAD FB 05 2601

(*NOTE: BY OTHERS)

- Use of SikaWall Ultra HI 20 reinforcing mesh is recommend at the ground floor in high traffic areas and in areas exposed to potential for high impact.
- Butt SikaWall Ultra HI 20 reinforcing mesh at all adjoining edges including corners, do not use to backwrap or bend around corners.
- All terminations must be fully encapsulated with mesh reinforced base coat.
- SikaWall Ultra HI 20 and Flexguard 4 reinforcing mesh are embedded in two separate layers of base coat. Allow the first base coat layer with Ultra HI 20 Reinforcing Mesh to dry prior to application of the second base coat layer with Flexguard 4 Reinforcing Mesh.

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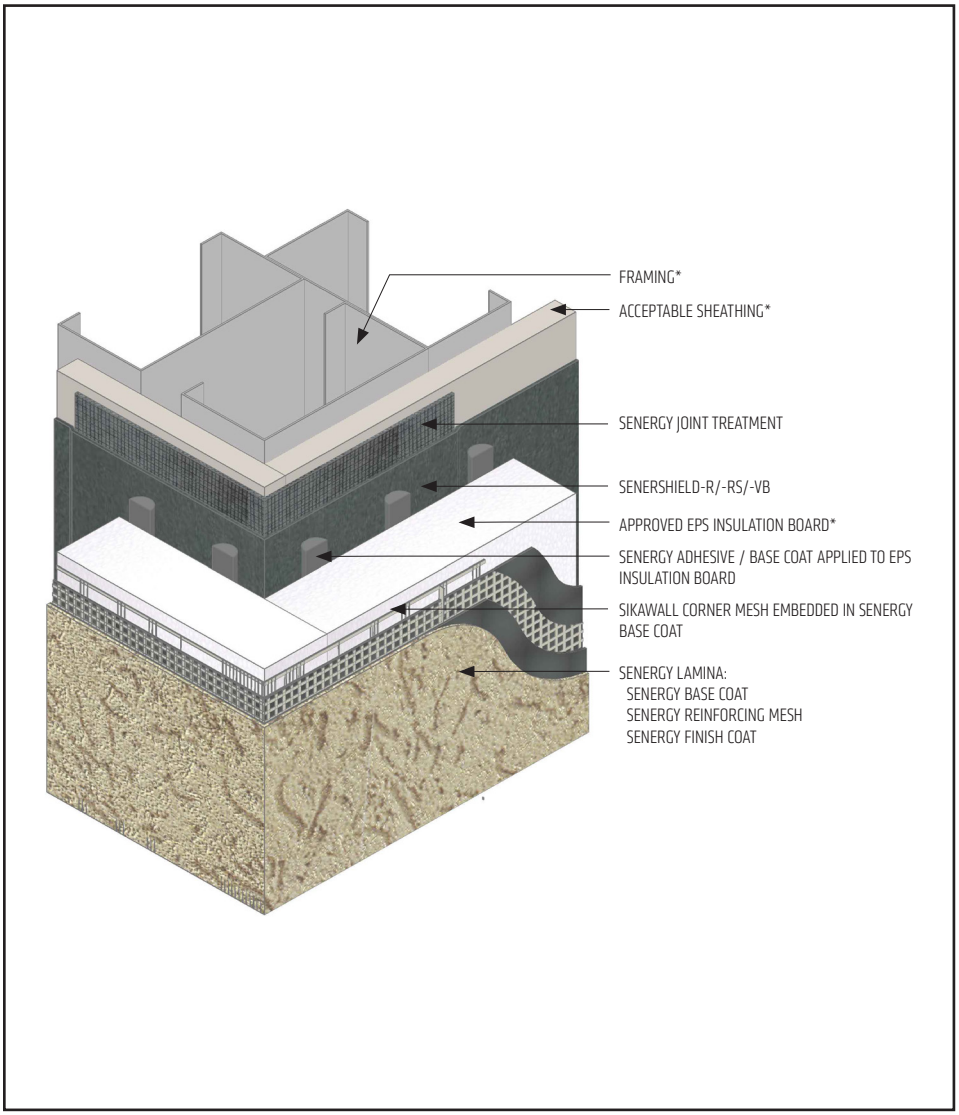
TYPICAL CORNER MESH APPLICATION WITH FLEXGUARD 4, INTERMEDIATE 6 OR 12



CAD FB 06 2601

(*NOTE: BY OTHERS)

- Ensure Flexguard 4, SikaWall Intermediate 6 or SikaWall Intermediate 12 Reinforcing Mesh is lapped a minimum of 8" (203 mm) around corners.
- SikaWall Corner Mesh on outside corner can be replaced, with Flexguard 4, SikaWall Intermediate 6 or SikaWall Intermediate 12, extended a minimum of 8" (203 mm) around corner from both sides (creating double layer of mesh at corner).
- Senergy Joint Treatment Options: SikaWall MaxFlash, SikaWall Sheathing Fabric embedded in Senershield-R/-RS/-VB or SikaWall Flash Seal NP.

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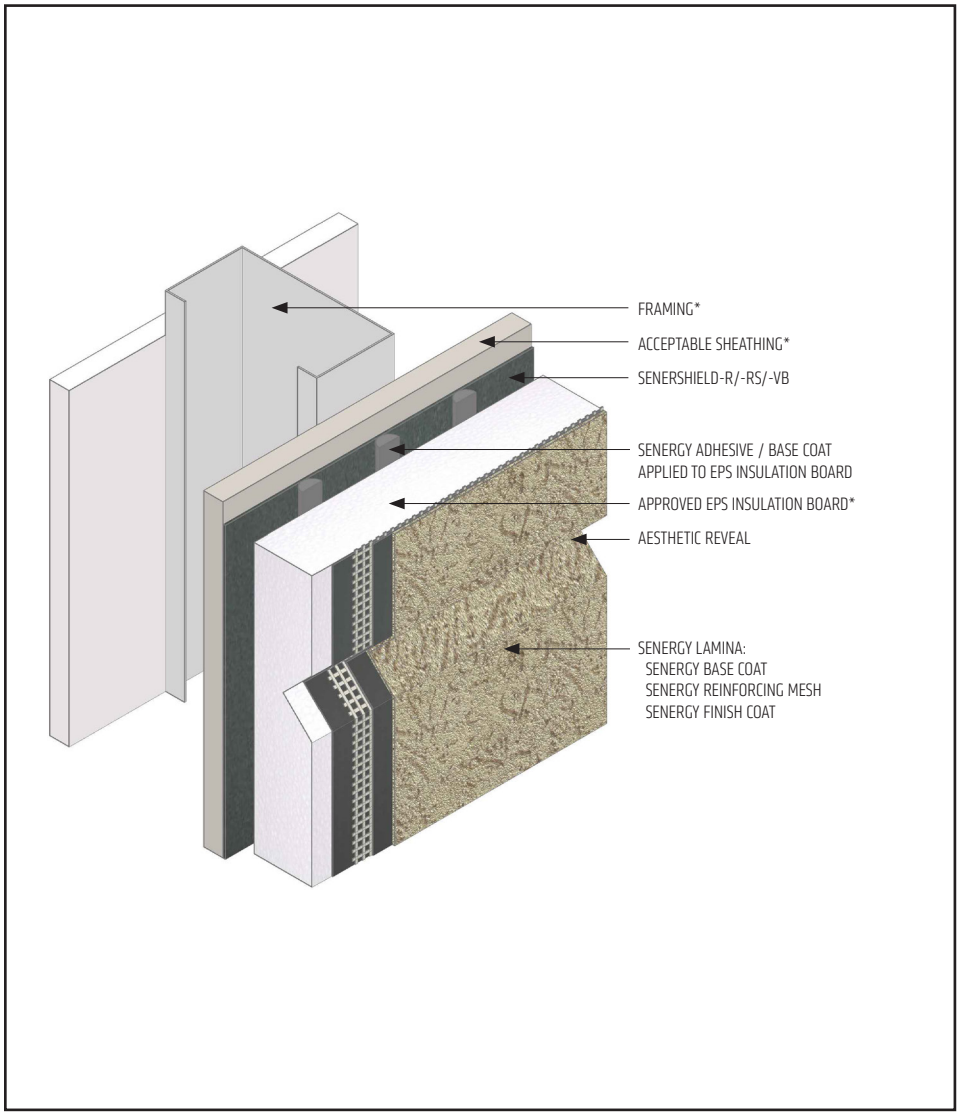
TYPICAL AESTHETIC REVEAL



CAD FB 07 2601

(*NOTE: BY OTHERS)

- Maintain a continuous layer of EPS insulation board, at a minimum 3/4" (19 mm) thickness, behind all reveals and aesthetic grooves.
- Reinforcing mesh shall be continuous and care shall be taken to ensure reinforcing mesh is not cut during base coat application.
- Horizontal reveals shall provide for outward positive drainage.
- Reveals must not occur at the abutment of two pieces of EPS insulation board.

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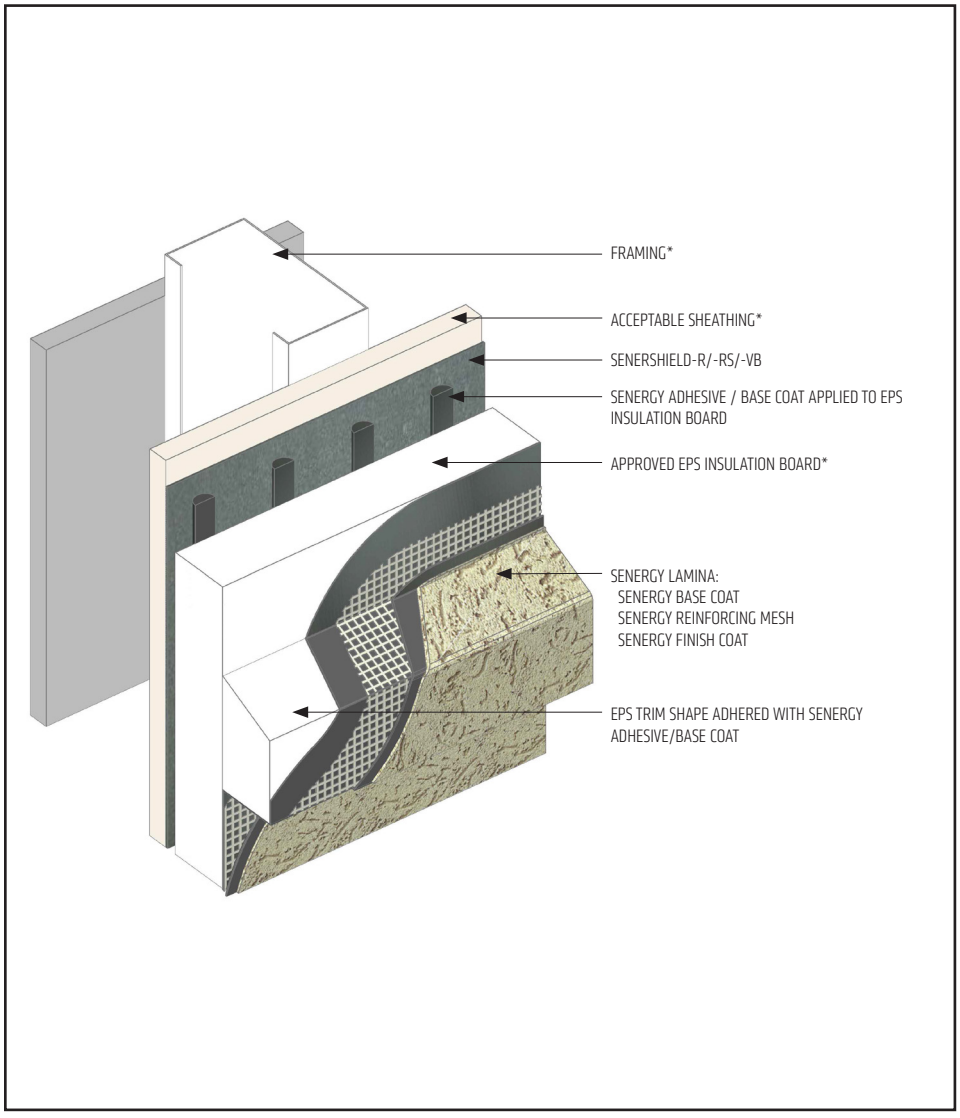
TYPICAL DECORATIVE SHAPE APPLICATION



- On horizontal projections greater than 1" (25mm) maintain a minimum 6:12 slope. For sloped surfaces over 24" (340mm), a roofing system or a metal cap flashing is required.
- Senergy Joint Treatment Options: SikaWall MaxFlash, SikaWall Sheathing Fabric embedded in Senershield-R/-RS/-VB or SikaWall Flash Seal NP.

CAD FB 08 2601

(*NOTE: BY OTHERS)

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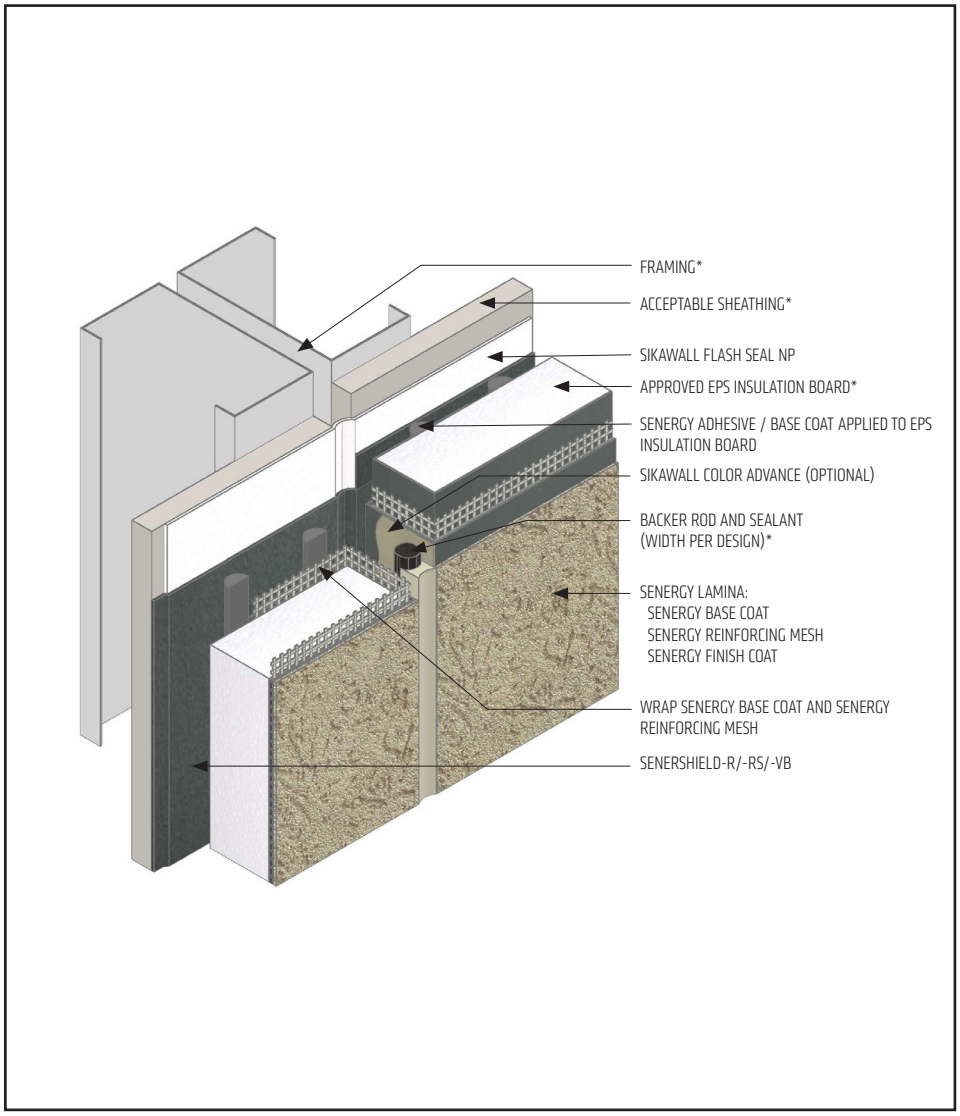
TYPICAL EXPANSION JOINT



CAD FB 09 2601

(*NOTE: BY OTHERS)

- All terminations must be fully encapsulated with mesh reinforced base coat. Extend reinforcing mesh a minimum of 2 1/2" onto back of insulation board.
- Do not apply finish to areas that will receive sealant.
- Ensure drainage plane is continuous and unobstructed at expansion joint.
- Typical locations for system expansion joints are at building expansion joints, at prefabricated panel joints, floor lines of wood frame construction or where slip tracks are used in steel frame construction, where substrates change and where structural movement is anticipated. It is the sole responsibility of the project design team, including the architect, engineer, etc., to ultimately determine specific expansion joint placement, width and design. Detail specific locations in construction drawings
- Provide sufficient slack in SikaWall Flash Seal NP at expansion joint to allow for movement.
- Reference *Acceptable Sealants for use with Senergy Wall Systems* Technical Bulletin for a list of sealants.

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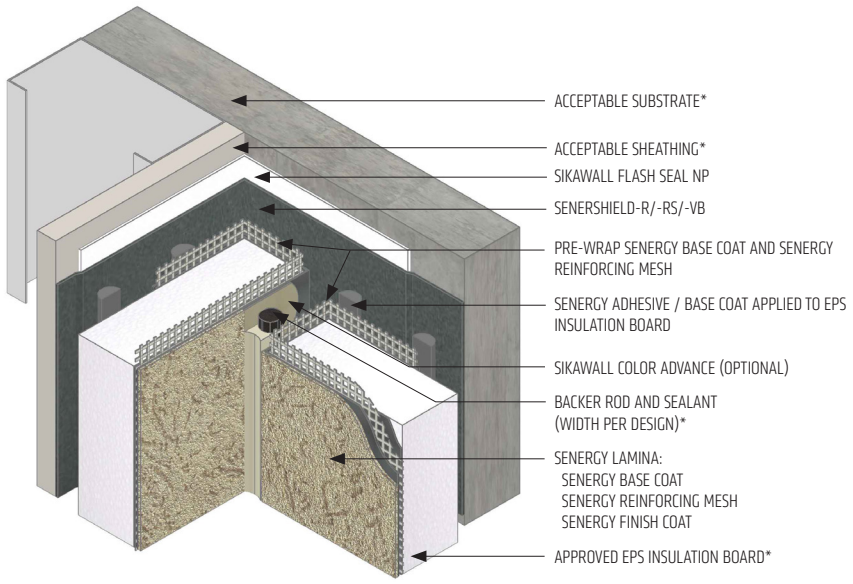
TYPICAL EXPANSION JOINT AT CHANGE IN SUBSTRATE



CAD FB 10 2601

(*NOTE: BY OTHERS)

- All terminations must be fully encapsulated with mesh reinforced base coat. Extend reinforcing mesh a minimum of 2 1/2" onto back of insulation board.
- Do not apply finish to areas that will receive sealant.
- Ensure drainage plane is continuous and unobstructed at expansion joint.
- Typical locations for system expansion joints are at building expansion joints, at prefabricated panel joints, floor lines of wood frame construction or where slip tracks are used in steel frame construction, where substrates change and where structural movement is anticipated. It is the sole responsibility of the project design team, including the architect, engineer, etc., to ultimately determine specific expansion joint placement, width and design. Detail specific locations in construction drawings.
- Provide sufficient slack in SikaWall Flash Seal NP at expansion joint to allow for movement.
- Reference *Acceptable Sealants for use with Senergy Wall Systems* Technical Bulletin for a list of sealants.

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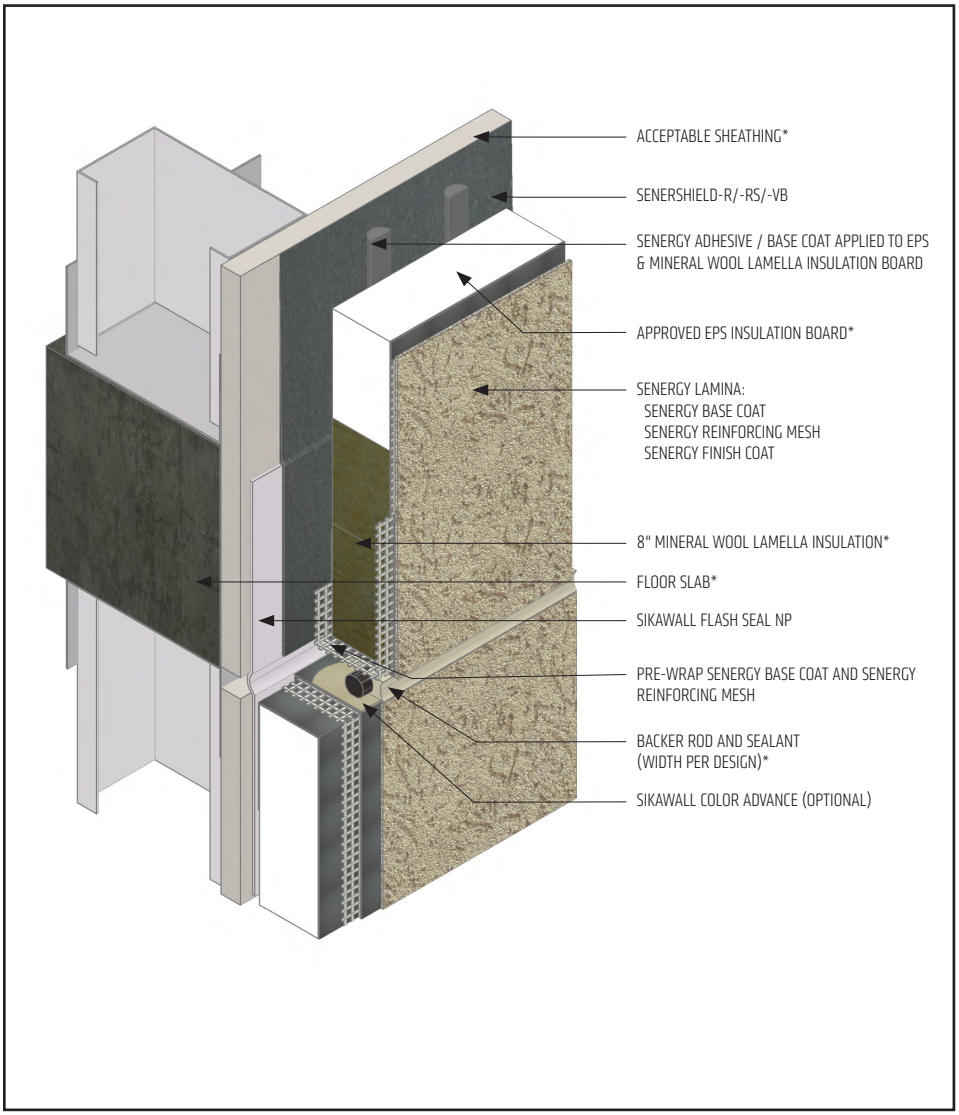
TYPICAL EXPANSION JOINT AT FLOORLINE



CAD FB 11 2601

(*NOTE: BY OTHERS)

- All terminations must be fully encapsulated with mesh reinforced base coat. Pre-backwrapping is recommended at drainage terminations. Extend reinforcing mesh a minimum of 2 1/2" onto back of insulation board.
- Apply two courses of 4" mineral wool lamella at the floor slab level to achieve a minimum height of 8". Ensure the courses are applied in a running bond pattern.
- Fire blocking is required between different occupancy group as they occur.
- Distance between horizontal fire blocking shall not exceed 20 ft vertically.
- Do not apply finish to areas that will receive sealant.
- Provide sufficient slack in the SikaWall Flash Seal NP at expansion join to allow for movement.
- Typical locations for system expansion joints are at building expansion joints, at prefabricated panel joints, floor lines of wood frame construction or where slip tracks are used in steel frame construction, where substrates change and where structural movement is anticipated. It is the sole responsibility of the project design team, including the architect, engineer, etc., to ultimately determine specific expansion joint placement, width and design. Detail specific locations in construction drawings.
- It is recommended that a means for drainage is provided at every third floor. (See typical drainage at floorline detail).
- Ensure drainage plane is continuous and unobstructed at expansion joint.
- Reference *Acceptable Sealants for use with Senergy Wall Systems* Technical Bulletin for a list of sealants.

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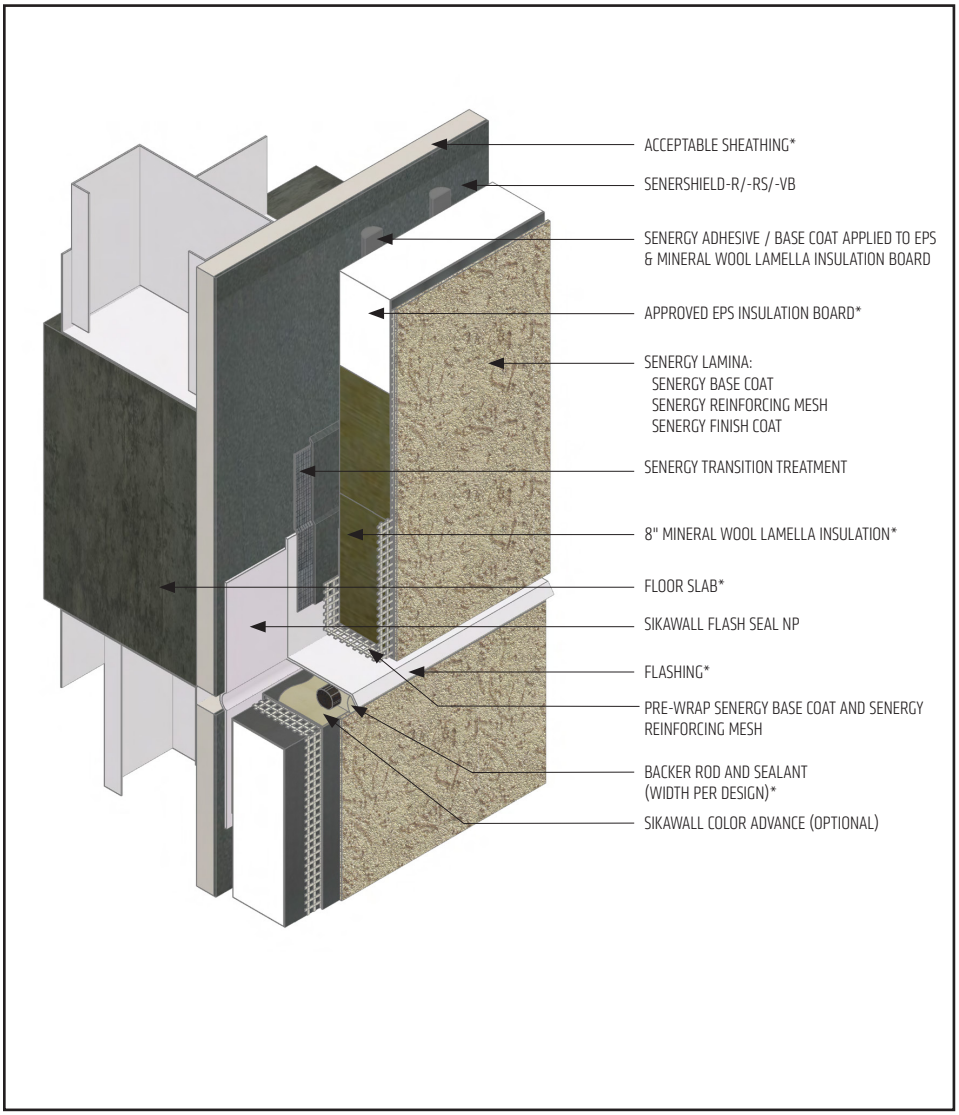
TYPICAL DRAINAGE AT FLOORLINE



CAD FB 12 2601

(*NOTE: BY OTHERS)

- All terminations must be fully encapsulated with mesh reinforced base coat. Pre-backwrapping is recommended at drainage terminations. Extend reinforcing mesh a minimum of 2 1/2" onto back of insulation board.
- Apply two courses of 4" mineral wool lamella at the floor slab level to achieve a minimum height of 8". Ensure the courses are applied in a running bond pattern.
- Fire blocking is required between different occupancy group as they occur.
- Distance between horizontal fire blocking shall not exceed 20 ft vertically.
- Do not apply finish to areas that will receive sealant.
- Typical locations for system expansion joints are at building expansion joints, at prefabricated panel joints, floor lines of wood frame construction or where slip tracks are used in steel frame construction, where substrates change and where structural movement is anticipated. It is the sole responsibility of the project design team, including the architect, engineer, etc., to ultimately determine specific expansion joint placement, width and design. Detail specific locations in construction drawings.
- It is recommended that a means for drainage is provided at every third floor.
- Provide sufficient slack in the SikaWall Flash Seal NP at expansion join to allow for movement.
- Senergy Transition Treatment Options: SikaWall MaxFlash, SikaWall Sheathing Fabric embedded in Senershield-R/-RS/-VB or SikaWall Flash Seal NP.
- Reference *Acceptable Sealants for Use With Sika Facades Technical Bulletin* for a list of sealants.

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- Install Sika materials in accordance with current installation instructions.
- Unsatisfactory conditions shall be reported to the General Contractor and corrected before the application of Sika products.

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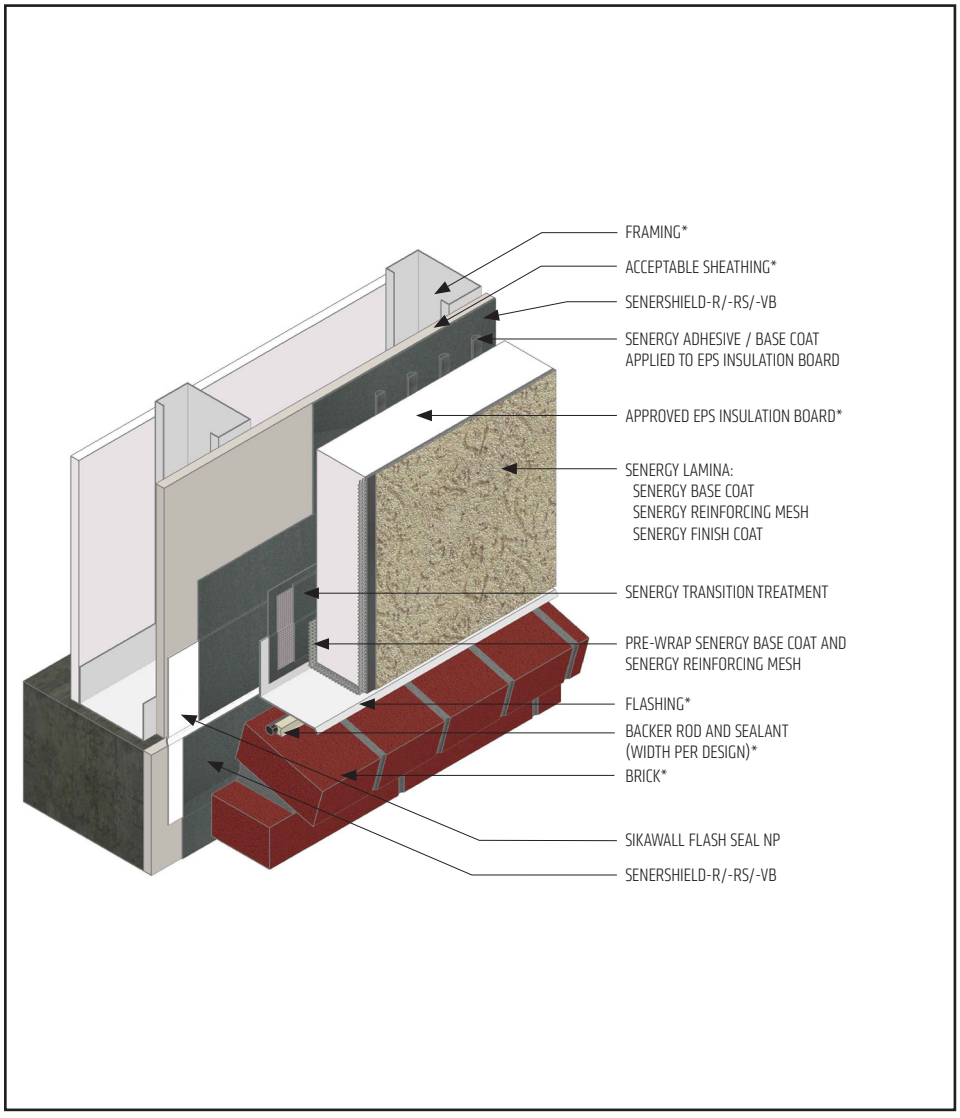
TYPICAL ABUTMENT TO BRICK WITH FLASHING



CAD FB 13 2601

(*NOTE: BY OTHERS)

- All terminations must be fully encapsulated with mesh reinforced base coat. Pre-backwrapping is recommended at drainage terminations. Extend reinforcing mesh a minimum of 2 1/2" onto back of insulation board.
- Ensure a means for drainage is provided at system termination at brick.
- Brick must be installed per local code requirements.
- Provide sufficient slack in the SikaWall Flash Seal NP at expansion join to allow for movement.
- Senergy Transition Treatment Options: SikaWall MaxFlash, SikaWall Sheathing Fabric embedded in Senershield-R/-RS/-VB or SikaWall Flash Seal NP.

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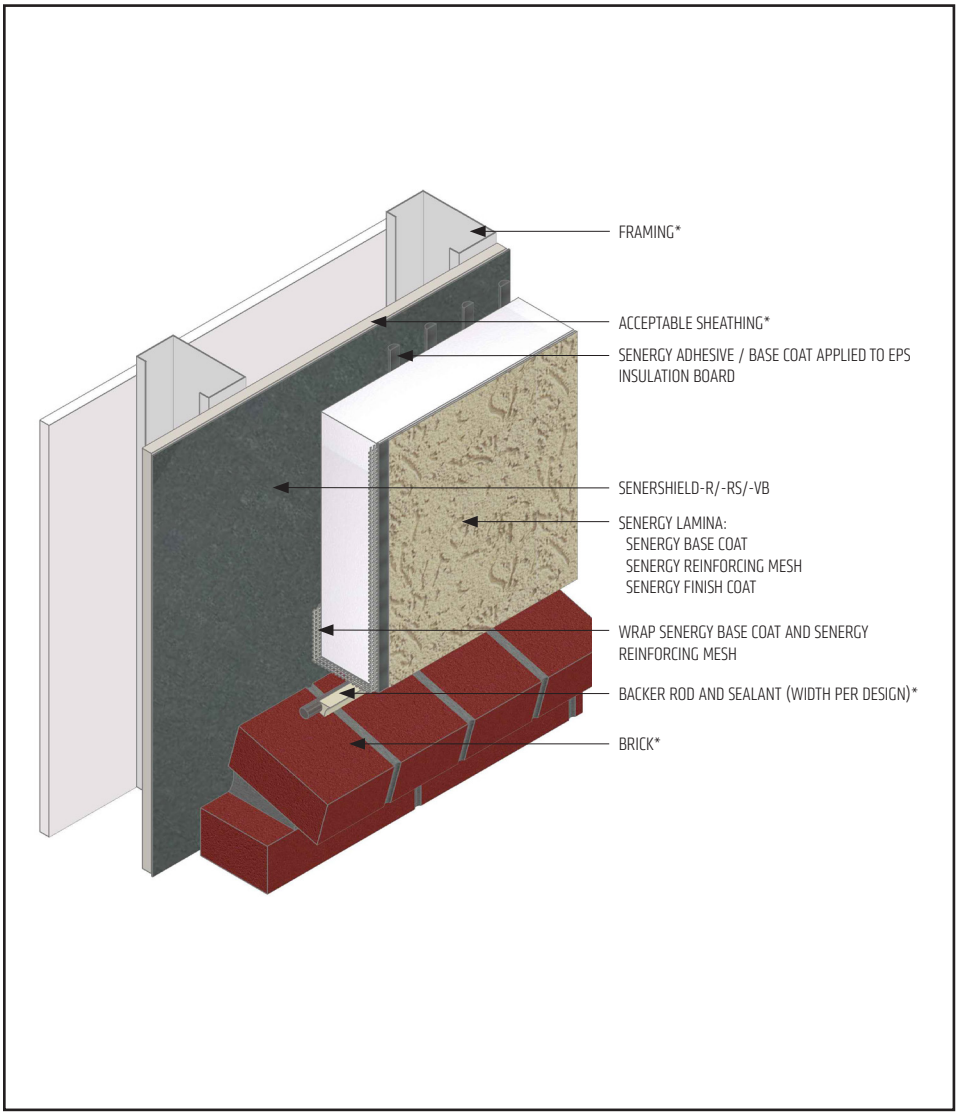
TYPICAL ABUTMENT TO BRICK WITH CONTINUOUS DRAINAGE PLANE



CAD FB 14 2601

(*NOTE: BY OTHERS)

- All terminations must be fully encapsulated with mesh reinforced base coat. Pre-backwrapping is recommended at drainage terminations. Extend reinforcing mesh a minimum of 2 1/2" onto back of insulation board.
- Ensure a continuous drainage plane is maintained at system abutment to brick.
- Brick must be installed per local code requirements.
- Reference *Acceptable Sealants for use with Senergy Wall Systems* Technical Bulletin for a list of sealants.

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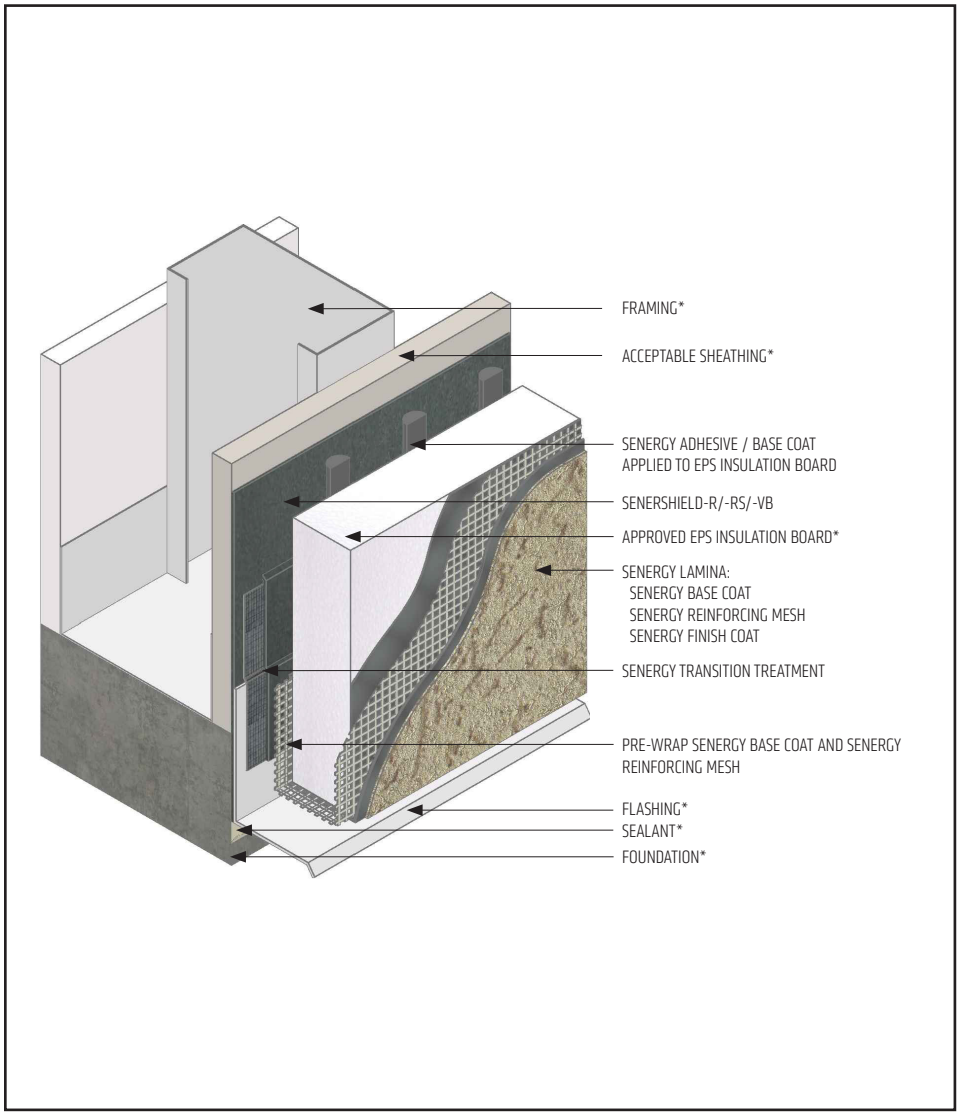
TYPICAL TERMINATION AT FOUNDATION



- All terminations must be fully encapsulated with mesh reinforced base coat. Pre-backwrapping is recommended at drainage terminations. Extend reinforcing mesh a minimum of 2 1/2" onto back of insulation board.
- Ensure a means for drainage is provided at system termination at foundation.
- Terminate system a minimum of 6" (152 mm) above grade.
- Extend system a minimum of 2" (50 mm) and a maximum of 12" (305 mm) at the sole plate foundation transition.
- Apply Senergy Transition Treatment at transition from sheathing to concrete (behind flashing).
- Senergy Transition Treatment Options: SikaWall MaxFlash, SikaWall Sheathing Fabric embedded in Senershield-R/-RS/-VB or SikaWall Flash Seal NP.

CAD FB 15 2601

(*NOTE: BY OTHERS)

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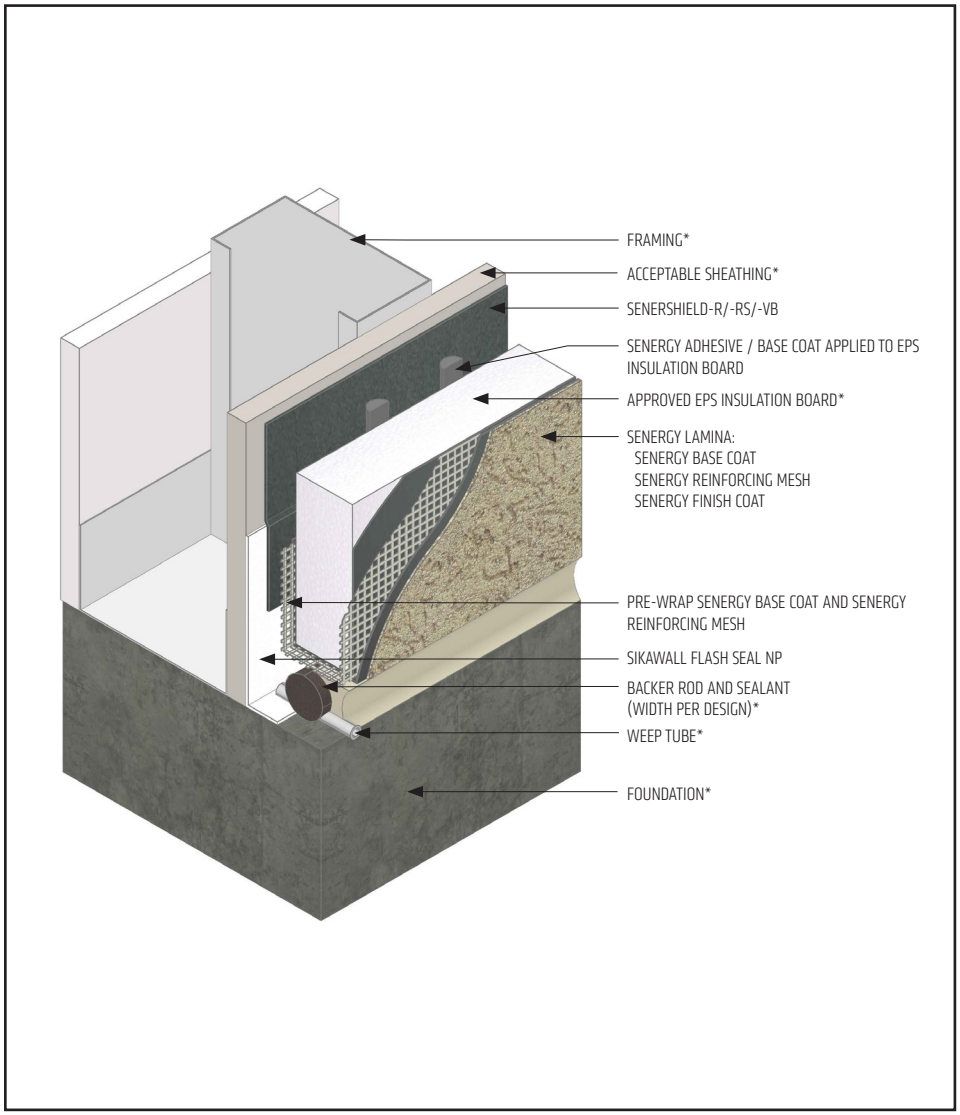
TYPICAL TERMINATION AT FOUNDATION (FLUSH)



CAD FB 16 2601

(*NOTE: BY OTHERS)

- All terminations must be fully encapsulated with mesh reinforced base coat. Pre-backwrapping is recommended at drainage terminations. Extend reinforcing mesh a minimum of 2 1/2" onto back of insulation board.
- Ensure a means for drainage is provided at system termination at foundation.
- Place weep tubes a maximum of 24" (610 mm) on center.
- Do not apply finish to areas that will receive sealant.
- Reference *Acceptable Sealants for use with Senergy Wall System* Technical Bulletin for a list of sealants.

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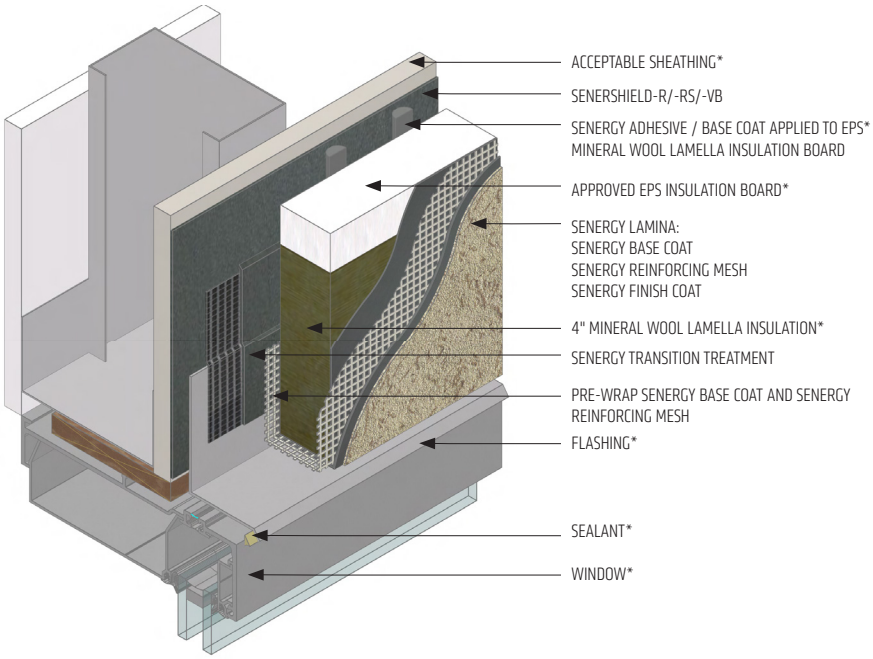
TYPICAL WINDOW HEAD (FLUSH)



- Provide 4" mineral wool lamella around opening.
- All terminations must be fully encapsulated with mesh reinforced base coat. Pre-backwrapping is recommended at drainage terminations. Extend reinforcing mesh a minimum of 2 1/2" onto back of insulation board.
- Ensure a means for drainage is provided at system termination at window head.
- Provide end-dams at flashing terminations.
- Senergy Transition Treatment Options: SikaWall MaxFlash, SikaWall Sheathing Fabric embedded in Senershield-R/-RS/-VB or SikaWall Flash Seal NP.
- Prior to window and insulation installation, ensure water-resistive barrier is properly applied into the rough openings in accordance with Senergy application guidelines and code requirements. Reference Senergy Senershield published typical details.
- Consult window and sealant manufacturers to verify window installation, detailing and to ensure no water leakage into the wall assembly.
- Ribbons of adhesive applied to mineral wool lamella insulation must be vertical when the lamella is applied to the substrate.

CAD FB 17 2601

(*NOTE: BY OTHERS)

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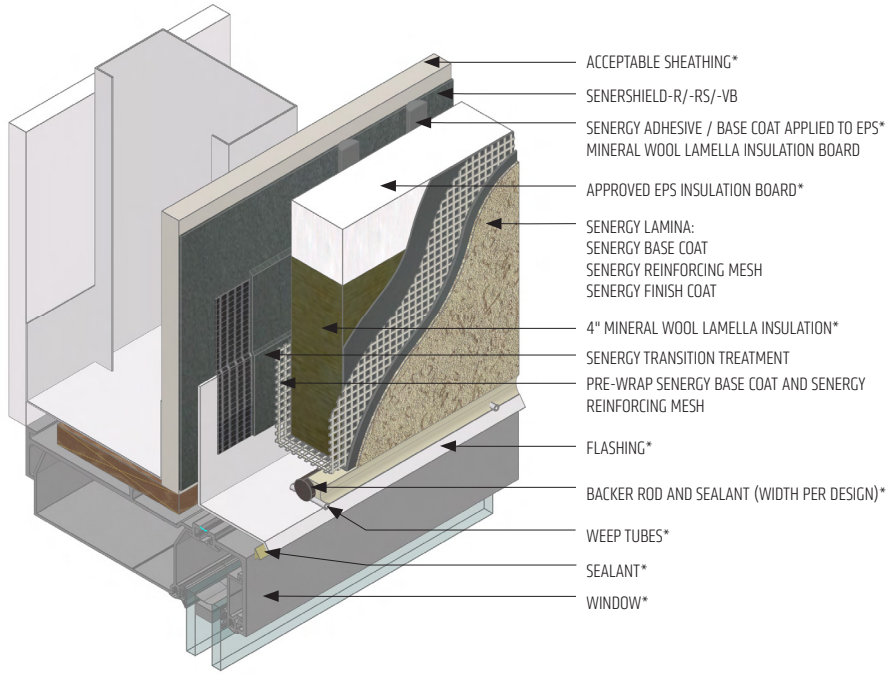
TYPICAL WINDOW HEAD (FLUSH) WITH WEEP TUBES



CAD FB 18 2601

(*NOTE: BY OTHERS)

- Provide 4" mineral wool lamella around opening.
- Ribbons of adhesive applied to mineral wool lamella insulation must be vertical when the lamella is applied to the substrate.
- All terminations must be fully encapsulated with mesh reinforced base coat. Pre-backwrapping is recommended at drainage terminations. Extend reinforcing mesh a minimum of 2 1/2" onto back of insulation board.
- Ensure a means for drainage is provided at system termination at window head.
- Provide end-dams at flashing terminations.
- Do not apply finish to areas that will receive sealant.
- Senergy Transition Treatment Options: SikaWall MaxFlash, SikaWall Sheathing Fabric embedded in Senershield-R/-RS/-VB or SikaWall Flash Seal NP.
- Prior to window and insulation installation, ensure water-resistive barrier is properly applied into the rough openings in accordance with Senergy application guidelines and code requirements. Reference Senergy Senershield published typical details.
- Place weep tubes a maximum of 16" (406 mm) on center.
- Reference *Acceptable Sealants for use with Senergy Wall Systems* Technical Bulletin for a list of sealants.
- Consult window and sealant manufacturers to verify window installation, detailing and to ensure no water leakage into the wall assembly.

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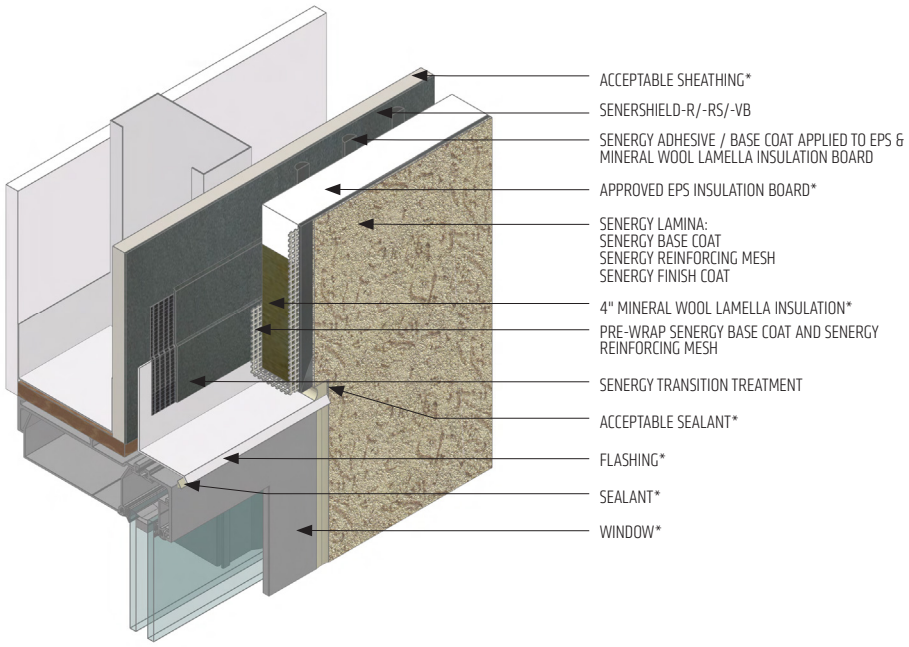
TYPICAL WINDOW HEAD WITH SEALANT END DAM



CAD FB 19 2601

(*NOTE: BY OTHERS)

- Provide 4" mineral wool lamella around opening.
- Ribbons of adhesive applied to mineral wool lamella insulation must be vertical when the lamella is applied to the substrate.
- 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.
- Prior to window and insulation installation, ensure water-resistive barrier is properly applied into the rough openings in accordance with Senergy application guidelines and code requirements. Reference Senergy Senershield published typical details.
- Reference *Acceptable Sealants for use with Senergy Wall Systems* Technical Bulletin for a list of sealants.
- Do not apply finish in areas that will receive sealant.
- All terminations must be fully encapsulated with mesh reinforced base coat. Pre-backwrapping is recommended at drainage terminations. Extend reinforcing mesh a minimum of 2 1/2" onto back of insulation board.

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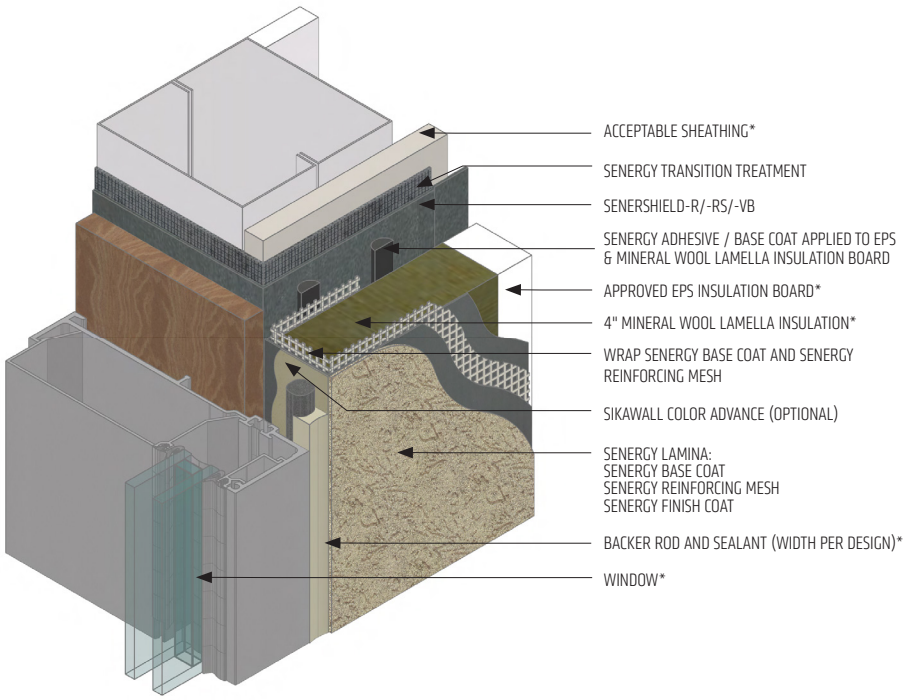
TYPICAL WINDOW JAMB (FLUSH)



CAD FB 20 2601

(*NOTE: BY OTHERS)

- Provide 4" mineral wool lamella around opening.
- Ribbons of adhesive applied to mineral wool lamella insulation must be vertical when the lamella is applied to the substrate.
- All terminations must be fully encapsulated with mesh reinforced base coat. Extend reinforcing mesh a minimum of 2 1/2" onto back of insulation board.
- Prior to window and insulation installation, ensure water-resistive barrier is properly applied into the rough openings in accordance with Senergy application guidelines and code requirements. Reference Senergy Senershield published typical details for further information.
- Do not apply finish to areas that will receive sealant.
- Provide a back wrapped type joint with backer rod and sealant at system terminations to dissimilar materials, ensuring that a water tight seal is achieved (width per design).
- Senergy Transition Treatment Options: SikaWall MaxFlash, SikaWall Sheathing Fabric embedded in Senershield-R/-RS/-VB or SikaWall Flash Seal NP.
- Reference *Acceptable Sealants for use with Senergy Wall Systems* Technical Bulletin for a list of sealants.
- Consult window and sealant manufacturers to verify window installation, detailing and to ensure no water leakage into the wall assembly.

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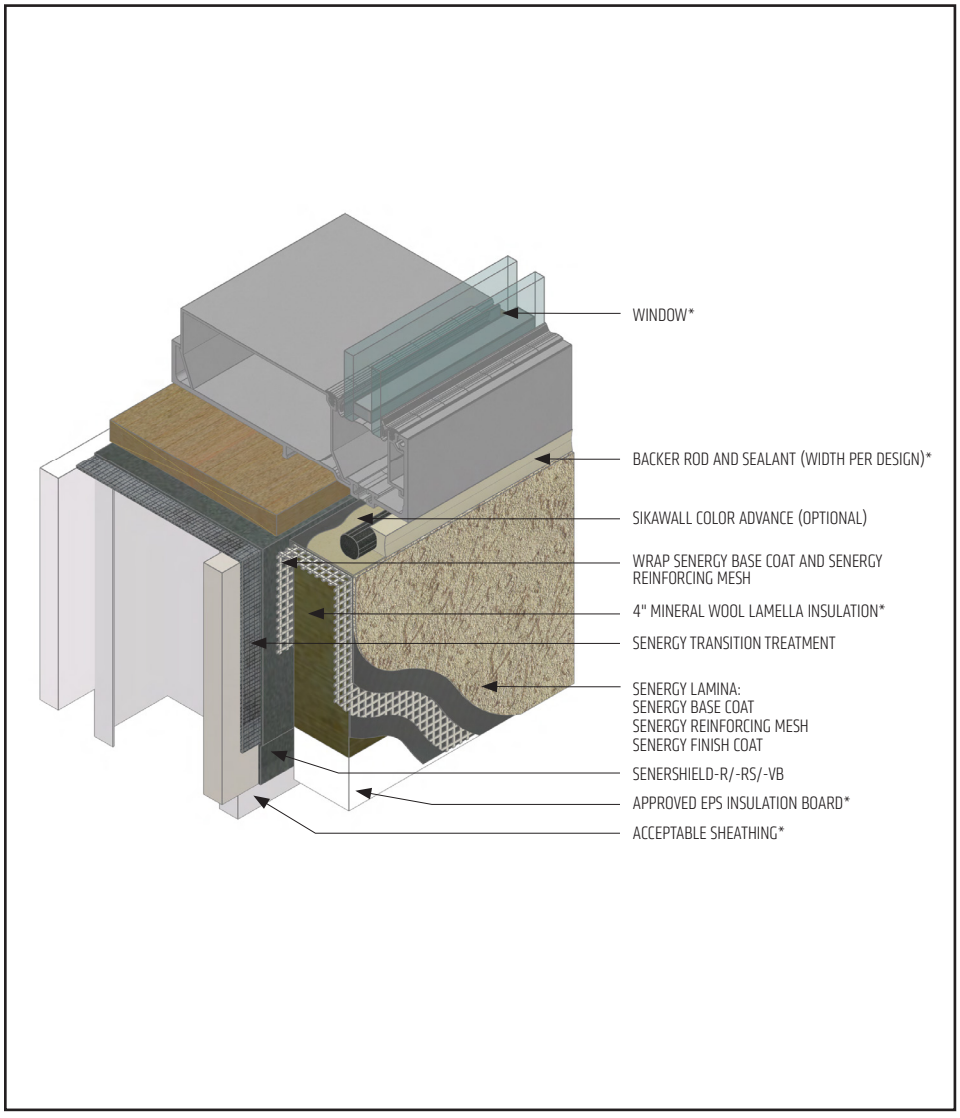
TYPICAL WINDOW SILL (FLUSH)



CAD FB 21 2601

(*NOTE: BY OTHERS)

- Provide 4" mineral wool lamella around opening.
- Ribbons of adhesive applied to mineral wool lamella insulation must be vertical when the lamella is applied to the substrate.
- All terminations must be fully encapsulated with mesh reinforced base coat. Extend reinforcing mesh a minimum of 2 1/2" onto back of insulation board.
- Prior to window and insulation installation, ensure water-resistive barrier is properly applied into the rough openings in accordance with Senergy application guidelines and code requirements. Reference Senergy Senershield published typical details.
- Do not apply finish to areas that will receive sealant.
- Provide a back wrapped type joint with backer rod and sealant at system terminations to dissimilar materials, ensuring that a water tight seal is achieved (width per design).
- Senergy Transition Treatment Options: SikaWall MaxFlash, SikaWall Sheathing Fabric embedded in Senershield-R/-RS/-VB or SikaWall Flash Seal NP.
- Reference *Acceptable Sealants for use with Senergy Wall Systems* Technical Bulletin for a list of sealants.
- Consult window and sealant manufacturers to verify window installation, detailing and to ensure no water leakage into the wall assembly.

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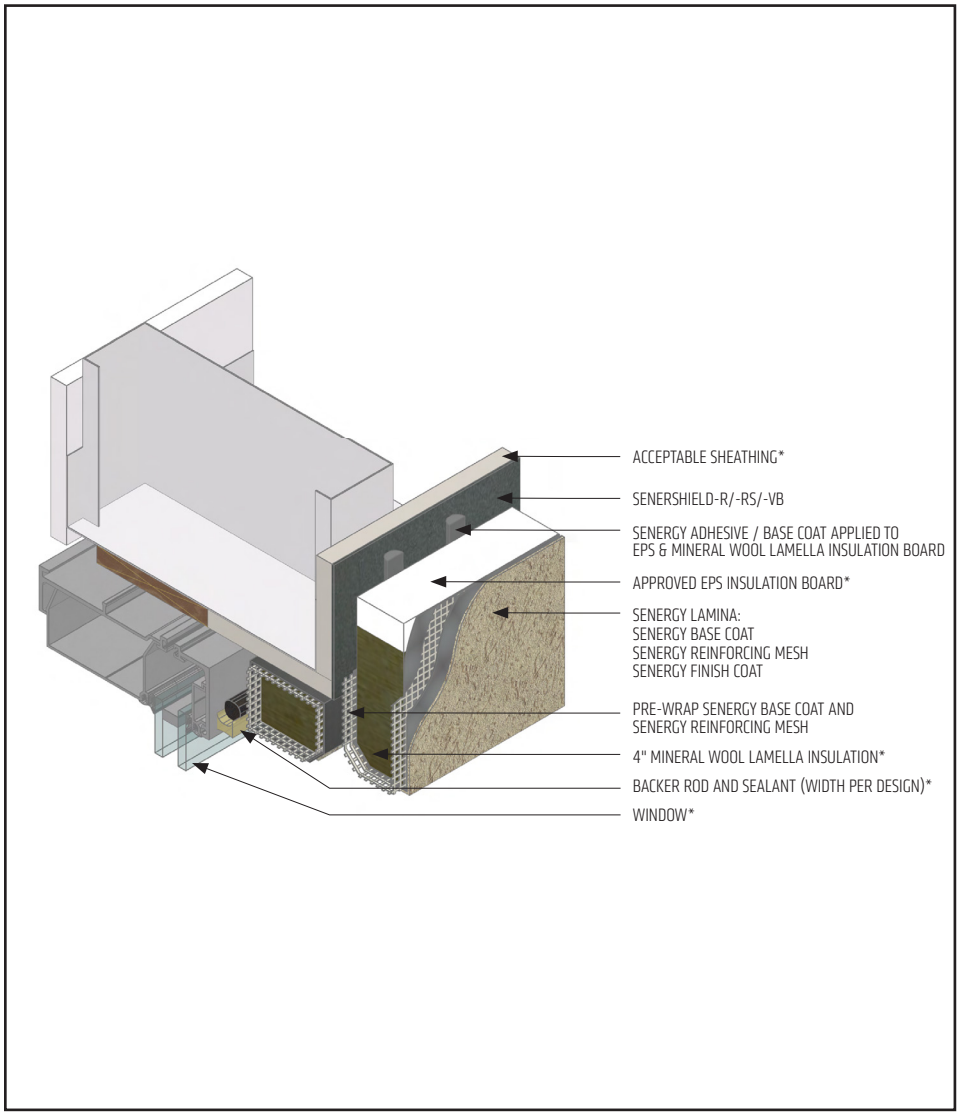
TYPICAL WINDOW HEAD (RECESSED)



CAD FB 22 2601

(*NOTE: BY OTHERS)

- Provide 4" mineral wool lamella around opening.
- Ribbons of adhesive applied to mineral wool lamella insulation must be vertical when the lamella is applied to the substrate.
- All terminations must be fully encapsulated with mesh reinforced base coat. Pre-backwrapping is recommended at drainage terminations. Extend reinforcing mesh a minimum 2 1/2" onto back of insulation board.
- Do not apply finish to areas that will receive sealant.
- Ensure a means for drainage is provided at system termination at window head.
- Provide a back wrapped type joint with backer rod and sealant at system terminations to dissimilar materials, ensuring that a water tight seal is achieved (width per design).
- Prior to window and insulation installation, ensure water-resistive barrier is properly applied into the rough openings in accordance with Senergy application guidelines and code requirements. Reference Senergy Senershield published typical details for further information.
- Consult window and sealant manufacturers to verify window installation, detailing and to ensure no water leakage into the wall assembly.
- Reference *Acceptable Sealants for Use with Senergy Wall Systems* Technical Bulletin for a list of sealants.

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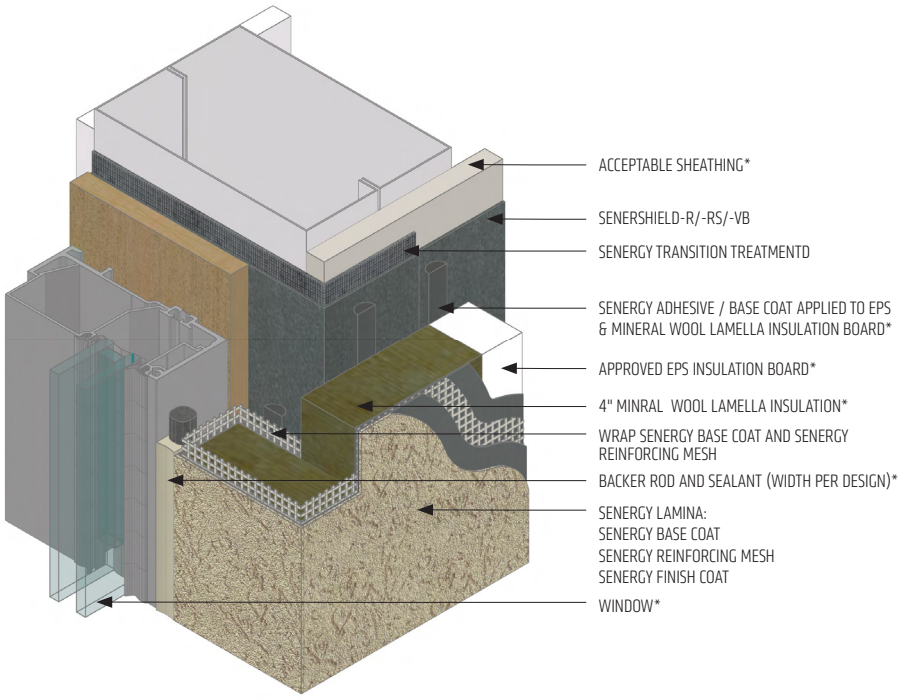
TYPICAL WINDOW JAMB (RECESSED)



CAD FB 23 2601

(*NOTE: BY OTHERS)

- Provide 4" mineral wool lamella around opening.
- Ribbons of adhesive applied to mineral wool lamella insulation must be vertical when the lamella is applied to the substrate.
- All terminations must be fully encapsulated with mesh reinforced base coat. Extend reinforcing mesh a minimum of 2 1/2" onto back of insulation board.
- Prior to window and insulation installation, ensure water-resistive barrier is properly applied into the rough openings in accordance with Senergy application guidelines and code requirements. Reference Senergy Senershield published typical details for further information.
- Do not apply finish to areas that will receive sealant.
- Provide a back wrapped type joint with backer rod and sealant at system terminations to dissimilar materials, ensuring that a water tight seal is achieved (width per design).
- Senergy Transition Treatment Options: SikaWall Flash Seal MaxFlash, SikaWall Sheathing Fabric embedded in Senershield-R/-RS/-VB or SikaWall NP.
- Reference *Acceptable Sealants for use with Senergy Wall Systems* Technical Bulletin for a list of sealants.
- Consult window and sealant manufacturers to verify window installation, detailing and to ensure no water leakage into the wall assembly.

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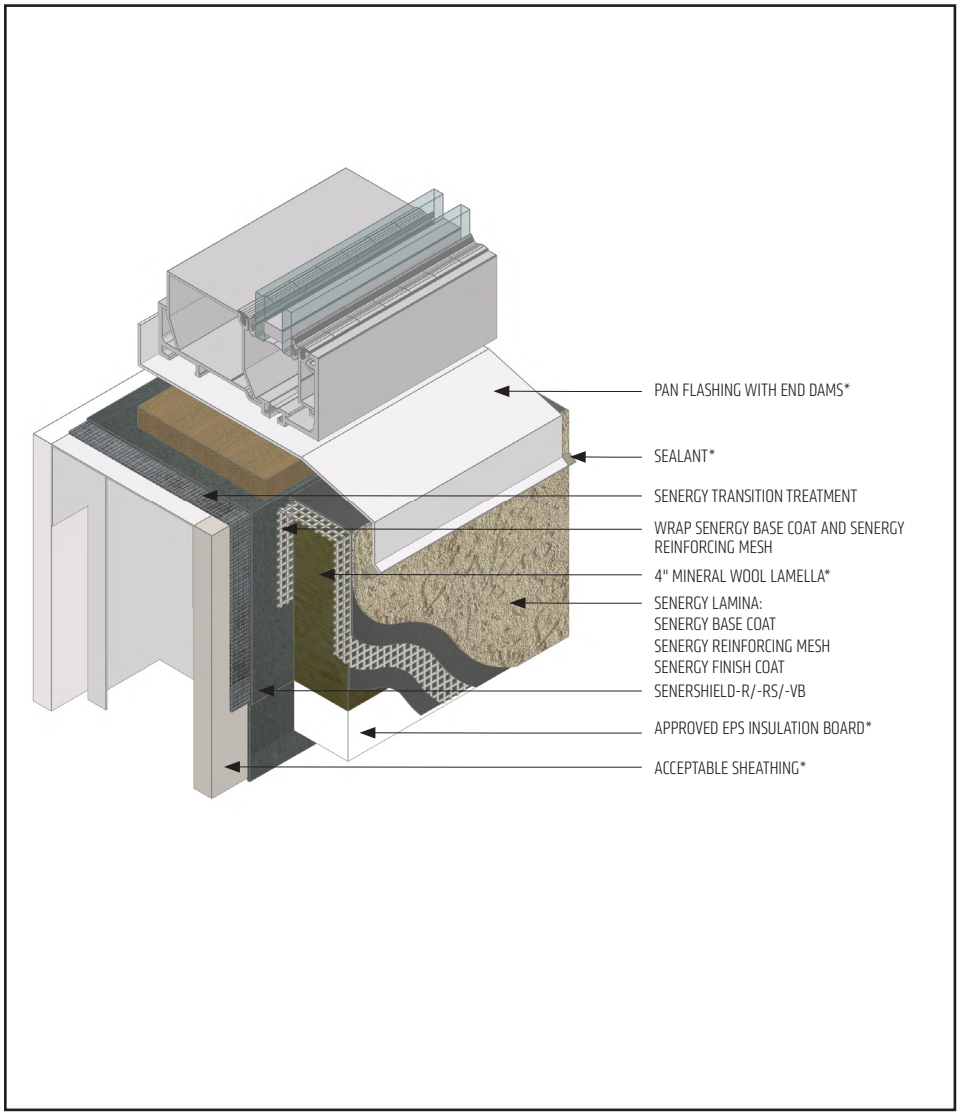
TYPICAL WINDOW SILL (RECESSED)



CAD FB 24 2601

(*NOTE: BY OTHERS)

- Provide 4" mineral wool lamella around opening.
- Ribbons of adhesive applied to mineral wool lamella insulation must be vertical when the lamella is applied to the substrate.
- All terminations must be fully encapsulated with mesh reinforced base coat. Extend reinforcing mesh a minimum of 2 1/2" onto back of insulation board.
- Ensure water-resistive barrier is properly applied into the rough openings in accordance with application guidelines and code requirements prior to insulation board application.
- Ensure that metal pan flashing extends onto the system a minimum of 2" (50 mm) down the face and that end dams are provided.
- Senergy Transition Treatment Options: SikaWall MaxFlash, SikaWall Sheathing Fabric embedded in Senershield-R/-RS/-VB or SikaWall Flash Seal NP.
- Reference *Acceptable Sealants for use with Senergy Wall Systems* Technical Bulletin for a list of sealants.
- Consult window and sealant manufacturers to verify window installation, detailing and to ensure no water leakage into the wall assembly.

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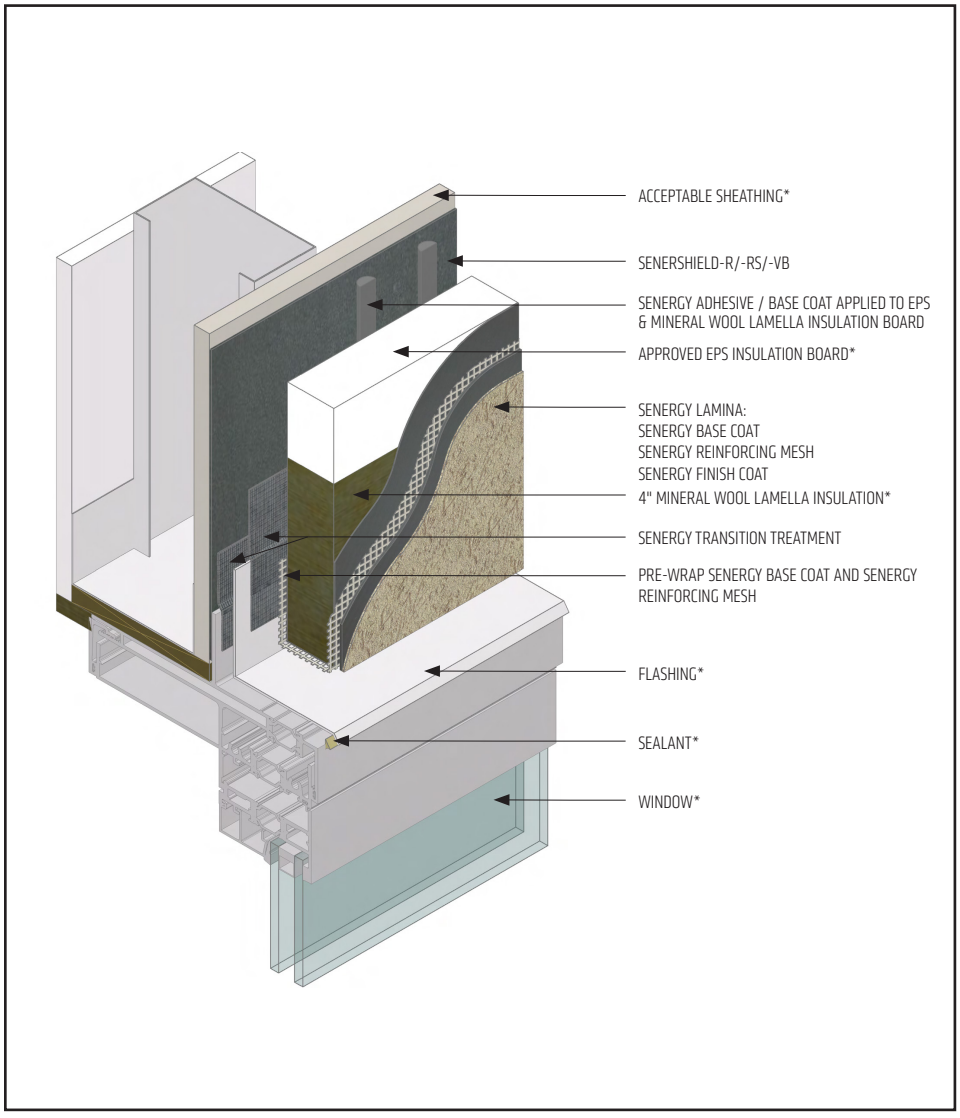
TYPICAL FLANGED WINDOW HEAD



CAD FB 25 2601

(*NOTE: BY OTHERS)

- Provide 4" mineral wool lamella around opening.
- Ribbons of adhesive applied to mineral wool lamella insulation must be vertical when the lamella is applied to the substrate.
- All terminations must be fully encapsulated with mesh reinforced base coat. Pre-backwrapping is recommended at drainage terminations. Extend reinforcing mesh a minimum of 2 1/2" onto back of insulation board.
- Ensure the window flange is treated with a Senergy transition treatment.
- Ensure a means for drainage is provided at system termination at window head.
- Senergy Transition Treatment Options: SikaWall MaxFlash, SikaWall Sheathing Fabric embedded in Senershield-R/-RS/-VB or SikaWall Flash Seal NP.
- Prior to window andinsulation installation, ensure water-resistive barrier is properly applied into the rough openings in accordance with Senergy application guidelines and code requirements. Reference Senergy Senershield published typical details for further information.
- Consult window and sealant manufacturers to verify window installation, detailing and to ensure no water leakage into the wall assembly.

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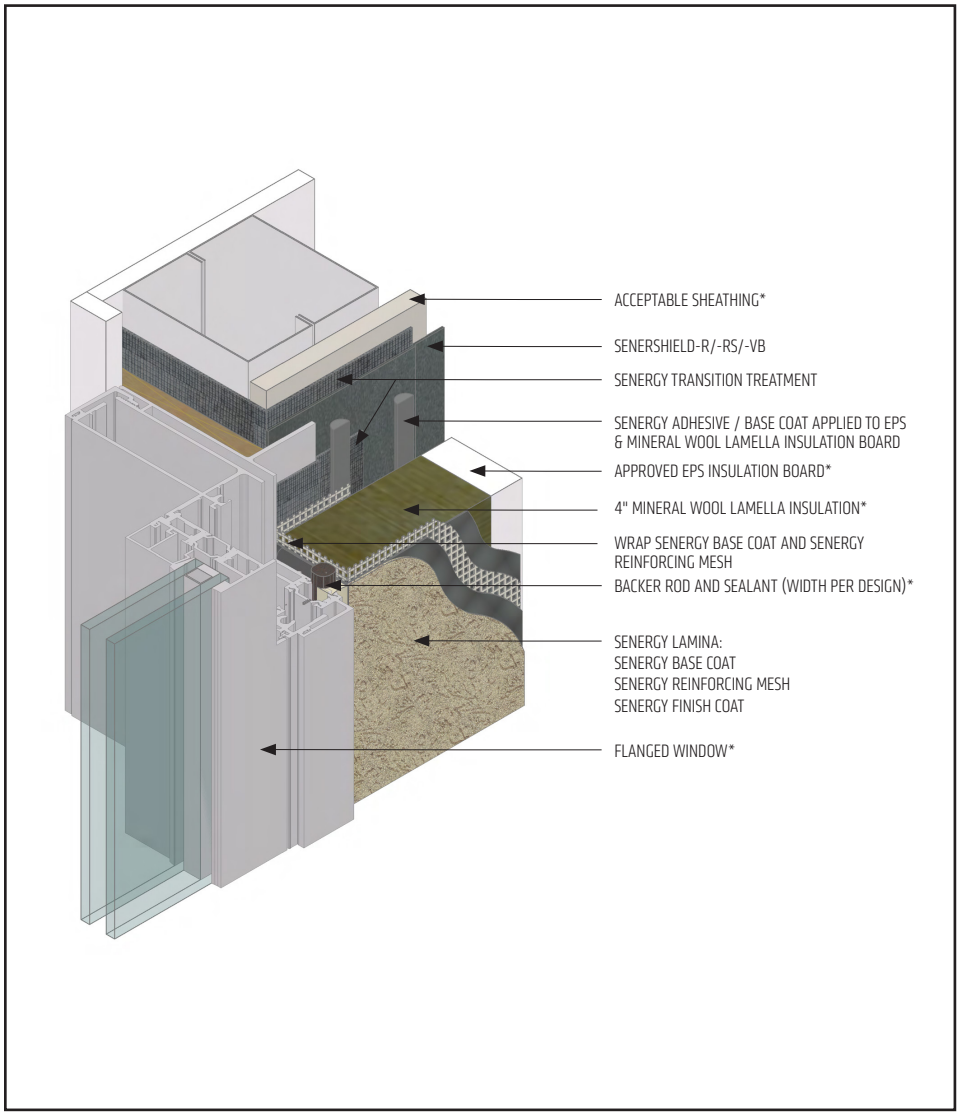
TYPICAL FLANGED WINDOW JAMB



CAD FB 26 2601

(*NOTE: BY OTHERS)

- Provide 4" mineral wool lamella around opening.
- Ribbons of adhesive applied to mineral wool lamella insulation must be vertical when the lamella is applied to the substrate.
- All terminations must be fully encapsulated with mesh reinforced base coat. Extend reinforcing mesh a minimum of 2 1/2" onto back of insulation board.
- Ensure the window flange is treated with a Senergy transition treatment.
- Senergy Transition Treatment Options: SikaWall MaxFlash, SikaWall Sheathing Fabric embedded in Senershield-R/-RS/-VB or SikaWall Flash Seal NP.
- Do not apply finish to areas that will receive sealant.
- Provide a back wrapped type joint with backer rod and sealant at system terminations to dissimilar materials, ensuring that a water tight seal is achieved (width per design).
- Prior to window and EPS installation, ensure water-resistive barrier is properly applied into the rough openings in accordance with Senergy application guidelines and code requirements. Reference Senergy Senershield published typical details.
- Consult window and sealant manufacturers to verify window installation, detailing and to ensure no water leakage into the wall assembly.

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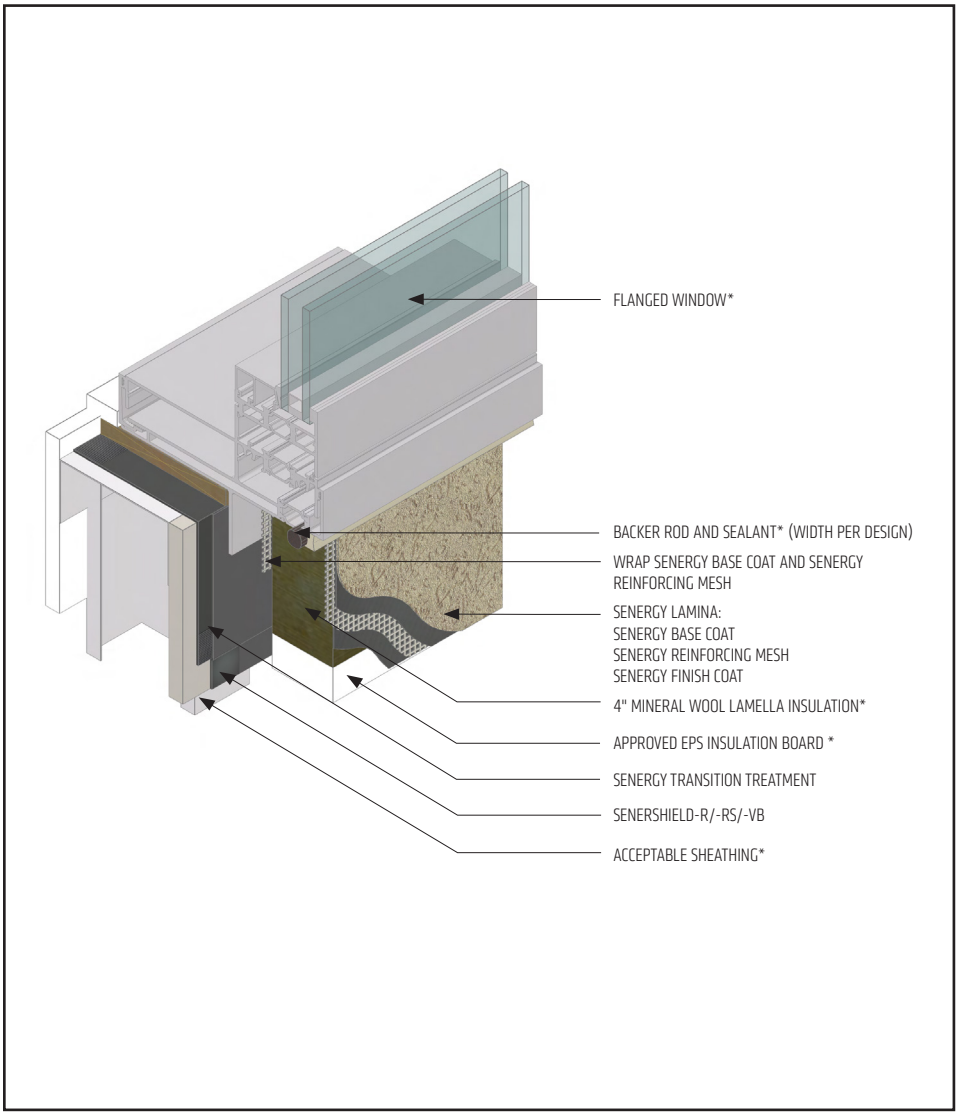
TYPICAL FLANGED WINDOW SILL



CAD FB 27 2601

(*NOTE: BY OTHERS)

- Provide 4" mineral wool lamella around opening.
- Ribbons of adhesive applied to mineral wool lamella insulation must be vertical when the lamella is applied to the substrate.
- All terminations must be fully encapsulated with mesh reinforced base coat. Extend reinforcing mesh a minimum of 2 1/2" onto back of insulation board.
- Ensure the window flange is left untreated for drainage.
- Senergy Transition Treatment Options: SikaWall MaxFlash, SikaWall Sheathing Fabric embedded in Senershield-R/-RS/-VB or SikaWall Flash Seal NP.
- Prior to window and insulation installation, ensure water-resistive barrier is properly applied into the rough openings in accordance with Senergy application guidelines and code requirements. Reference Senergy Senershield published typical details.
- Do not apply finish to areas that will receive sealant.
- Provide a back wrapped type joint with backer rod and sealant at system terminations to dissimilar materials, ensuring that a water tight seal is achieved (width per design).
- Reference *Acceptable Sealants for use with Senergy Wall Systems* Technical Bulletin for a list of sealants.
- Consult window and sealant manufacturers to verify window installation, detailing and to ensure no water leakage into the wall assembly.

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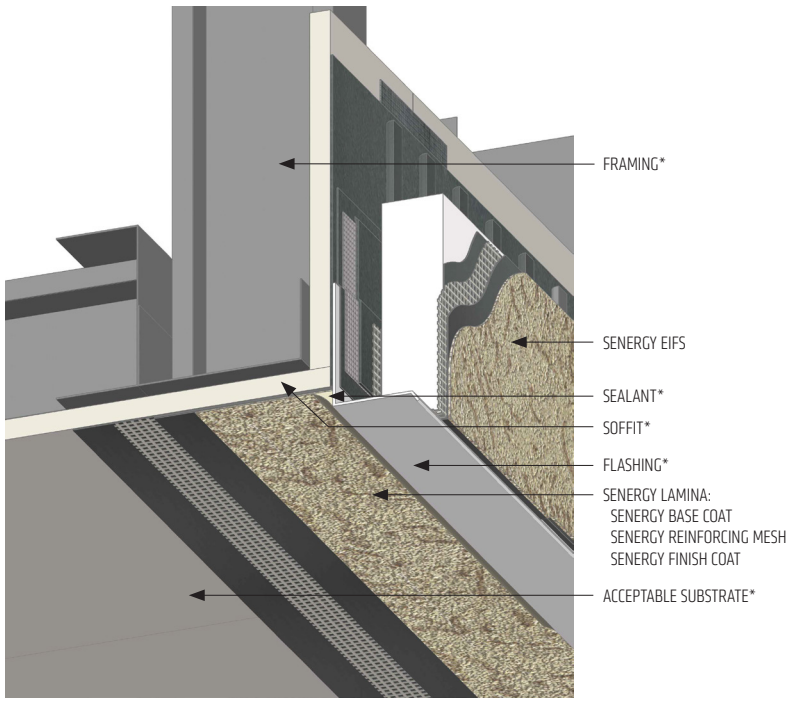
TYPICAL FASCIA TO DIRECT APPLIED SOFFIT



- Verify substrate is flat, free of fins or planar irregularities greater than 1/4" in 10".
- Install wall system first followed by lamina application at soffit.
- Ensure a means for drainage is provided at system termination at soffit.
- Extend flashing slightly below the level of the soffit to provide a surface for sealant application.
- Extend Senershield-R/-RS/-VB a minimum of 4" (100mm) onto soffit. If necessary for air barrier continuity Senershield-R/RS/VB can be applied over entire soffit.
- Reference Senergy Finishing System for Soffits and Ceilings published literature for additional information.

CAD FB 28 2601

(*NOTE: BY OTHERS)

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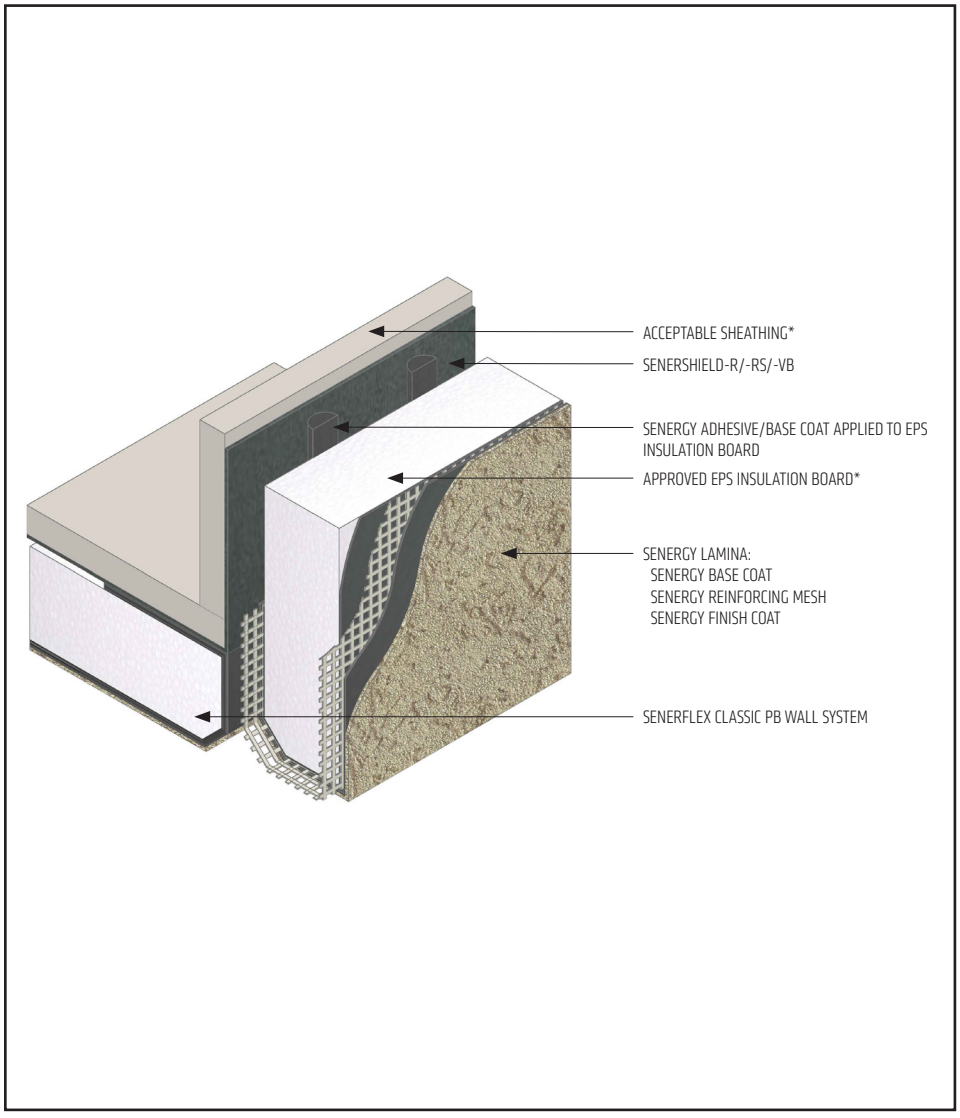
TYPICAL FASCIA TO INSULATED SOFFIT



- All terminations must be fully encapsulated with mesh reinforced base coat. Pre-backwrap both the vertical and horizontal terminations. Extend reinforcing mesh a minimum of 2 1/2" onto back of insulation board.
- Extend Senershield-R/-RS/-VB a minimum of 4" (100mm) onto soffit. If necessary for air barrier continuity Senershield-R/-RS/-VB can be applied over entire soffit.
- Ensure a means of drainage is provided at system termination at soffit/fascia transition.

CAD FB 29 2601

(*NOTE: BY OTHERS)

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- Install Sika materials in accordance with current installation instructions.
- Unsatisfactory conditions shall be reported to the General Contractor and corrected before the application of Sika products.

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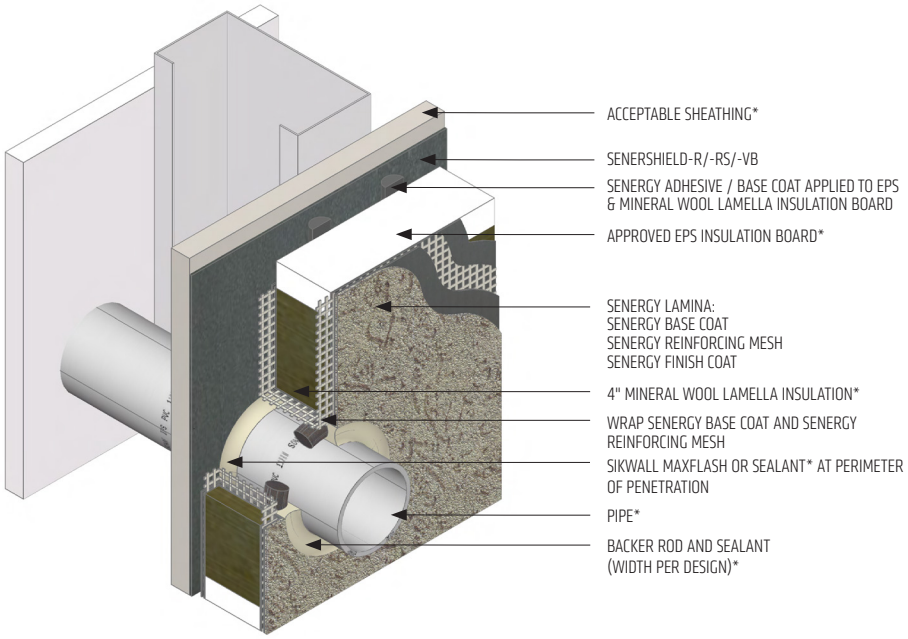
TYPICAL PIPE PENETRATION



CAD FB 30 2601

(*NOTE: BY OTHERS)

- Provide 4" mineral wool lamella around opening such as pipes, vents and other similar openings.
- Ribbons of adhesive applied to mineral wool lamella insulation must be vertical when the lamella is applied to the substrate.
- All terminations must be fully encapsulated with mesh reinforced basecoat. Pre-backwrap both the vertical and horizontal terminations. Extend reinforcing mesh a minimum of 2 1/2" onto back of insulation board.
- Ensure all penetrations into the system are properly sealed. Reference *Acceptable Sealants to use with Senergy Wall Systems* Technical Bulletin for a list of sealants.
- Provide continuous air seal around perimeter of penetration prior to mineral wool lamella insulation application. Reference *Acceptable Sealants for use with Senershield-R/-RS/-VB* Technical Bulletin for a list of sealants.
- Do not apply finish to areas that will receive sealant.

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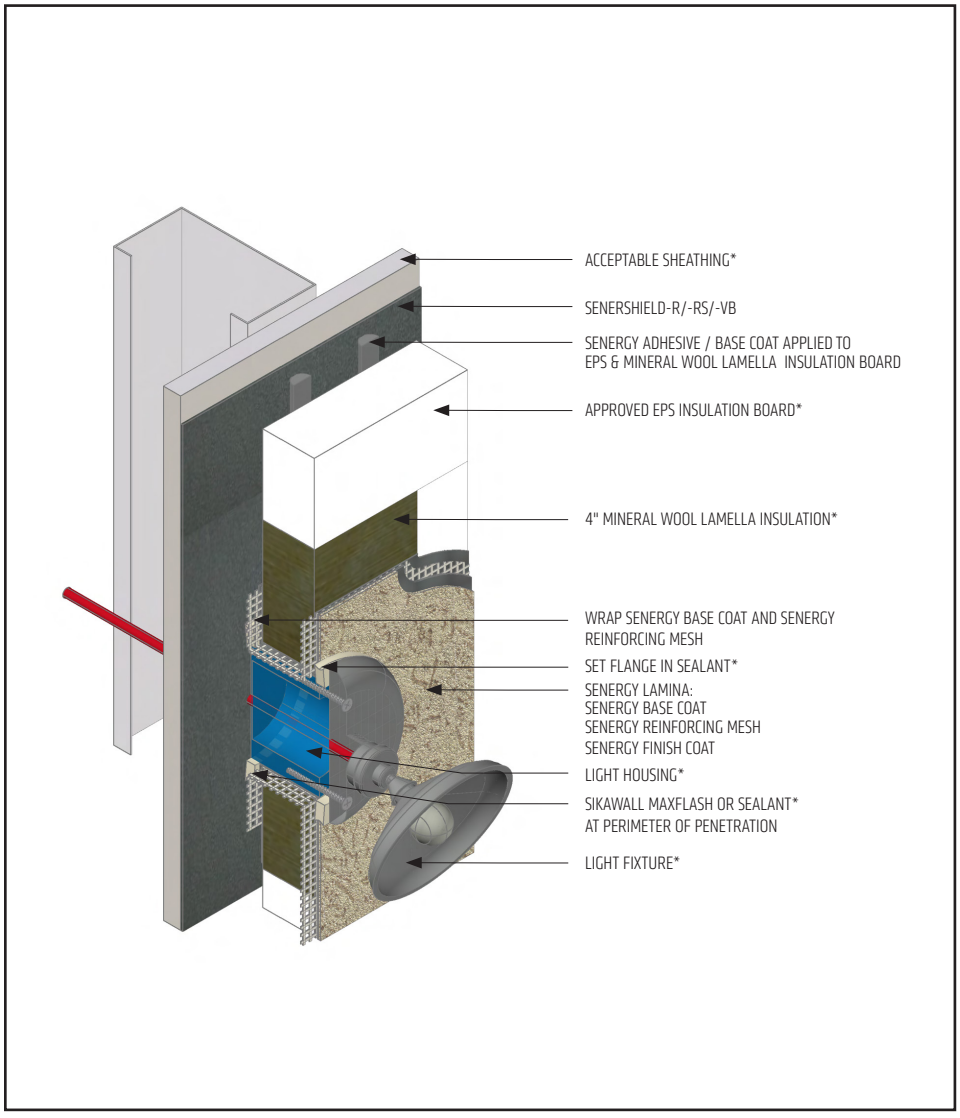
TYPICAL LIGHT FIXTURE



CAD FB 31 2601

(*NOTE: BY OTHERS)

- Provide 4" mineral wool lamella around opening such as pipes, vents and other similar openings.
- Ribbons of adhesive applied to mineral wool lamella insulation must be vertical when the lamella is applied to the substrate.
- All terminations must be fully encapsulated with mesh reinforced base coat. Pre-backwrap both the vertical and horizontal terminations. Extend reinforcing mesh a minimum of 2 1/2" onto back of insulation board.
- Ensure all penetrations into the system are properly sealed.
- Reference *Acceptable Sealants to use with Senergy Wall Systems* Technical Bulletin for a list of sealants.
- Provide continuous air seal around perimeter of penetration prior to mineral wool lamella insulation application. Reference *Acceptable Sealants for use with Senershield-R/-RS/-VB* Technical Bulletin for a list of sealants.

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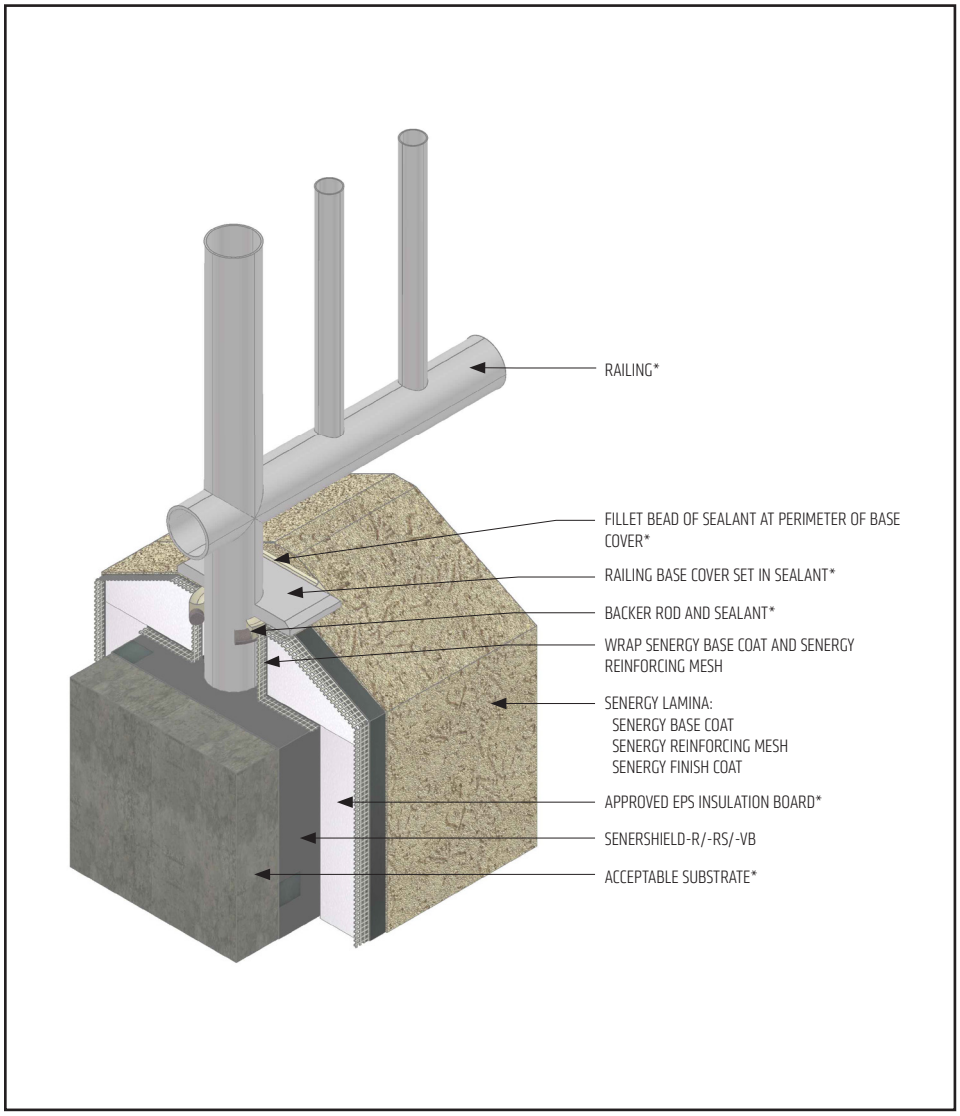
TYPICAL CORE MOUNTED RAILING ATTACHMENT



- All terminations must be fully encapsulated with mesh reinforced base coat. Pre-backwrap both the vertical and horizontal terminations. Extend reinforcing mesh a minimum of 2 1/2" onto back of insulation board.
- When SikaWall Rapid Bond is used: all terminations must be pre-backwrapped with Senergy base coat and SikaWall Detail Backwrap Mesh.
- Ensure all penetrations into the system are properly sealed.
- Reference *Acceptable Sealants for use with Senergy Wall Systems* Technical Bulletin for a list of sealants.

CAD FB 32 2601

(*NOTE: BY OTHERS)

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- Install Sika materials in accordance with current installation instructions.
- Unsatisfactory conditions shall be reported to the General Contractor and corrected before the application of Sika products.

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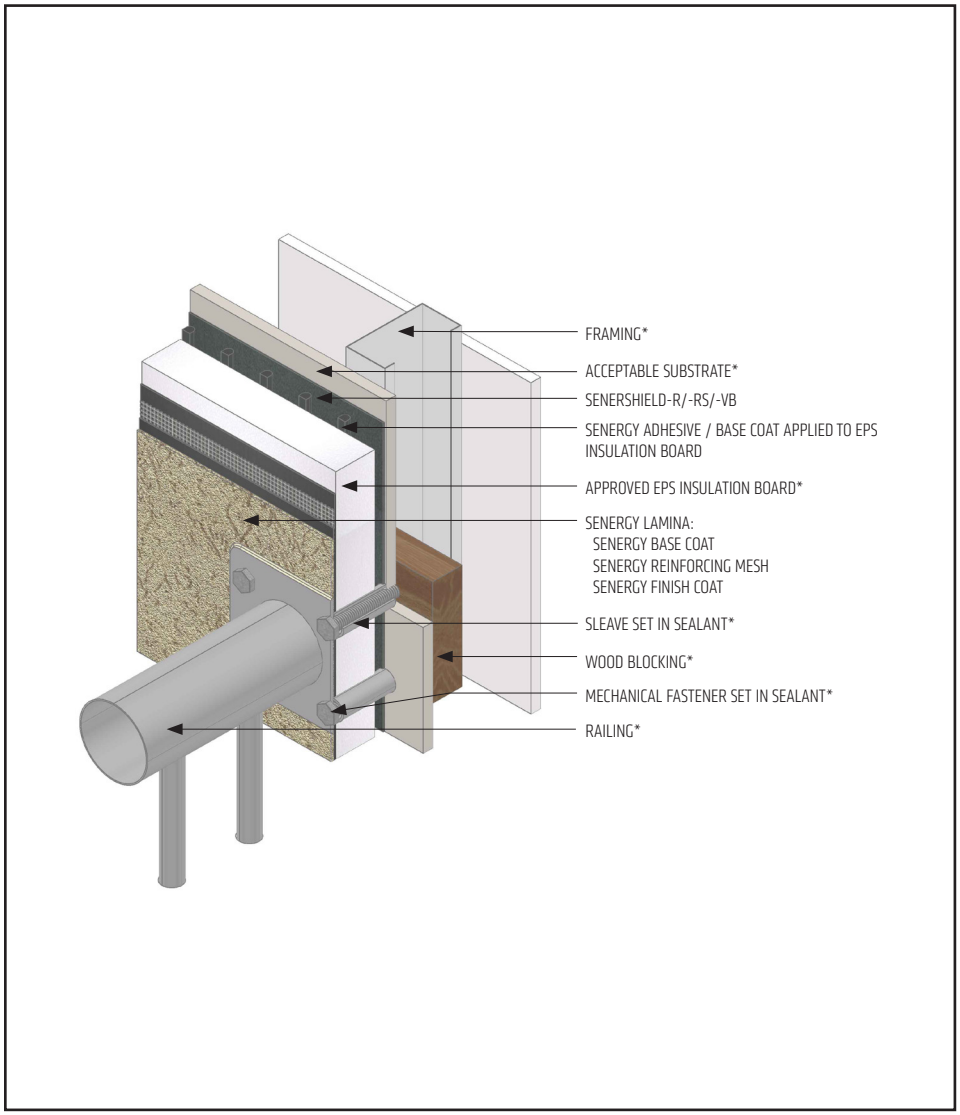
TYPICAL RAILING ATTACHMENT



CAD FB 33 2601

(*NOTE: BY OTHERS)

- All terminations must be fully encapsulated with mesh reinforced base coat. Extend reinforcing mesh a minimum of 2 1/2" onto back of insulation board.
- When SikaWall Rapid Bond is used: all terminations must be pre-backwrapped with Senergy base coat and SikaWall Detail Backwrap Mesh.
- Ensure all penetrations into the system are properly sealed.
- Reference *Acceptable Sealants for use with Senergy Wall Systems* Technical Bulletin for a list of sealants.

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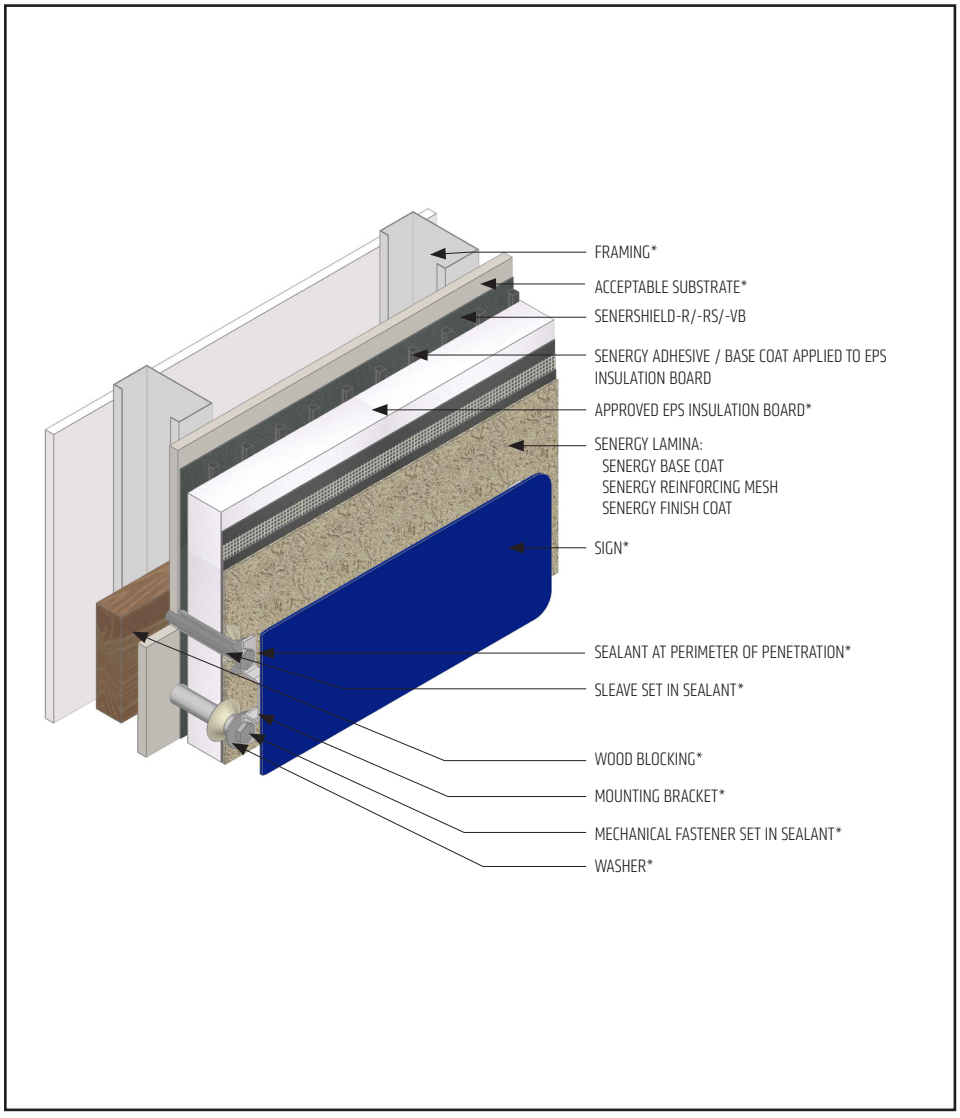
TYPICAL SIGN ATTACHMENT



- All terminations must be fully encapsulated with mesh reinforced base coat. Extend reinforcing mesh a minimum of 2 1/2" onto back of insulation board.
- When SikaWall Rapid Bond is used: all terminations must be pre-backwrapped with Senergy base coat and SikaWall Detail Backwrap Mesh.
- Ensure all penetrations into the system are properly sealed.
- Reference *Acceptable Sealants for use with Senergy Wall Systems* Technical Bulletin for a list of sealants.

CAD FB 34 2601

(*NOTE: BY OTHERS)

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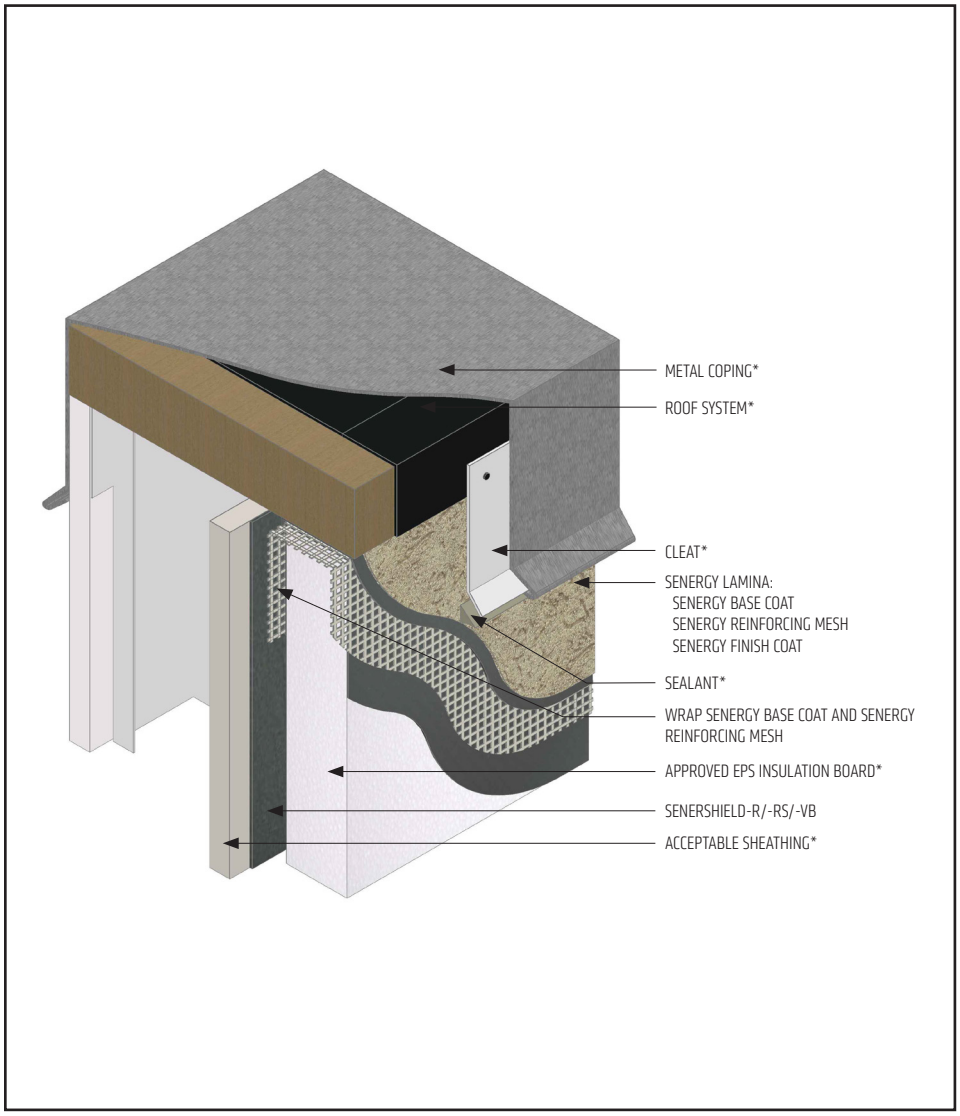
TYPICAL COPING



CAD FB 35 2601

(*NOTE: BY OTHERS)

- All terminations must be fully encapsulated with mesh reinforced base coat. Extend reinforcing mesh a minimum of 2 1/2" onto back of insulation board.
- When SikaWall Rapid Bond is used: all terminations must be pre-backwrapped with Senergy base coat and SikaWall Detail Backwrap Mesh.
- Ensure that metal coping/ flashing extends onto the system a minimum of 2" (50 mm) down the face.
- Extend Senershield-R/-RS/-VB or SikaWall MaxFlash onto bottom of blocking or provide alternate air seal at sheathing termination to blocking.
- Reference *Acceptable Sealants for use with Senergy Wall Systems* Technical Bulletin for a list of sealants.

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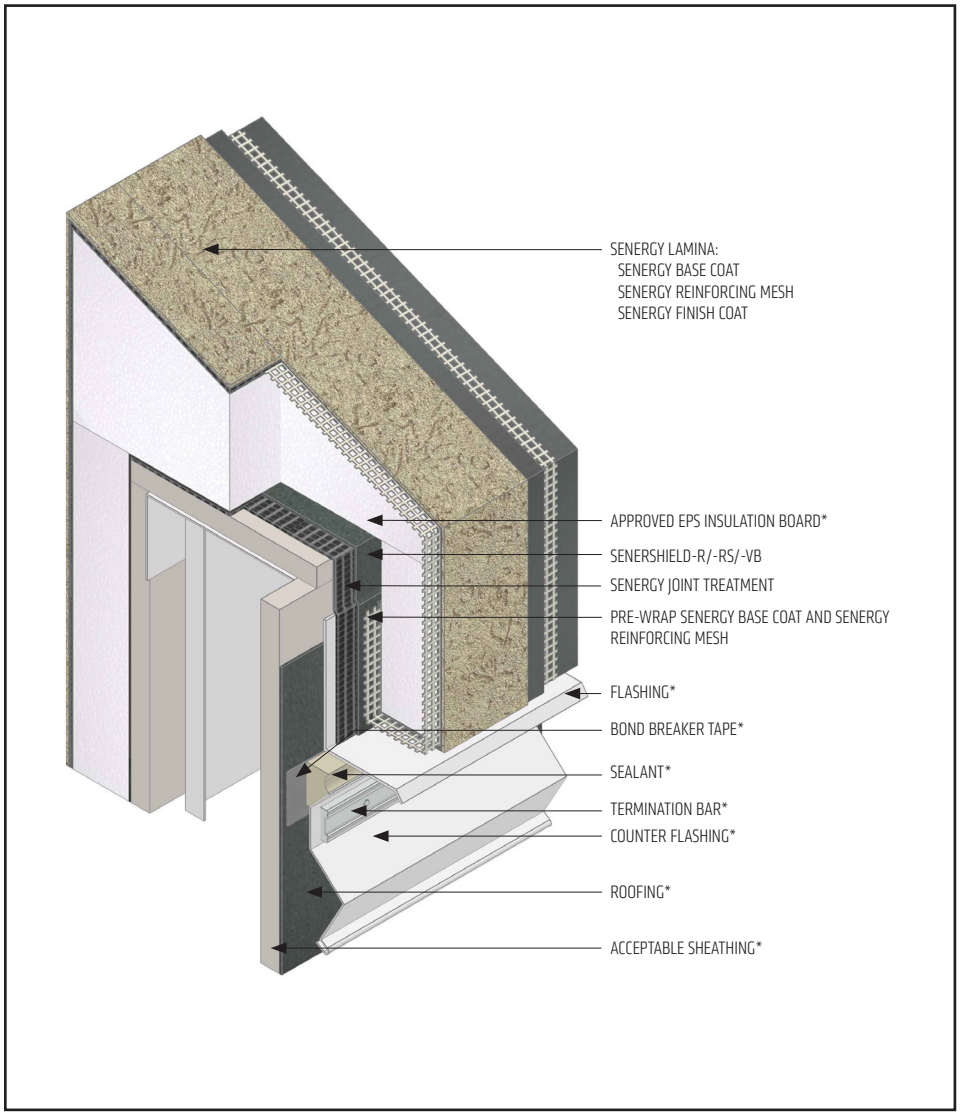
TYPICAL WITH EPS PARAPET CAP



CAD FB 36 2601

(*NOTE: BY OTHERS)

- All terminations must be fully encapsulated with mesh reinforced base coat. Pre-backwrapping is recommended at drainage terminations. Extend reinforcing mesh a minimum of 2 1/2" onto back of insulation board.
- When SikaWall Rapid Bond is used: all terminations must be pre-backwrapped with Senergy base coat and SikaWall Detail Backwrap Mesh.
- Provide a minimum 6:12 slope for all horizontal surfaces. Senergy requires the use of a roofing system or metal cap flashing for sloped surfaces over 24" (610 mm).
- Additional layers of mesh reinforced base coat is recommended when sloped surfaces exceed 12" (305 mm).
- Ensure a means for drainage is provided at system termination.
- Terminate system a minimum of 8" (203 mm) above flat roof. Roofing material shall not extend above the flashing flange.
- Maintain a minimum 1" (25 mm) thick EPS insulation board.
- Senergy Joint Treatment Options: SikaWall MaxFlash, SikaWall Sheathing Fabric embedded in Senershield-R/-RS/-VB or SikaWall Flash Seal NP.
- Reference *Acceptable Sealants for use with Senergy Wall Systems* Technical Bulletin for a list of sealants.

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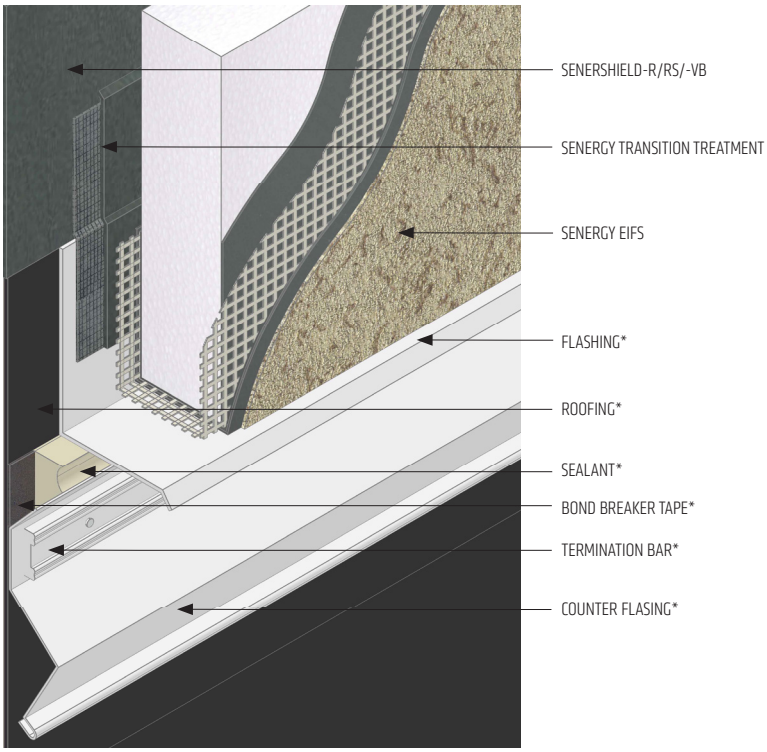
TYPICAL TERMINATION TO FLAT ROOF



- All terminations must be fully encapsulated with mesh reinforced base coat. Pre-backwrapping is recommended at drainage terminations. Extend reinforcing mesh a minimum of 2 1/2" onto back of insulation board.
- When SikaWall Rapid Bond is used: all terminations must be pre-backwrapped with Senergy base coat and SikaWall Detail Backwrap Mesh.
- Ensure a means for drainage is provided at system termination.
- Terminate system a minimum of 8" (203 mm) above flat roof. Roofing material shall not extend above the flashing flange.
- Ensure roofing material terminates behind flashing.

CAD FB 37 2601

(*NOTE: BY OTHERS)

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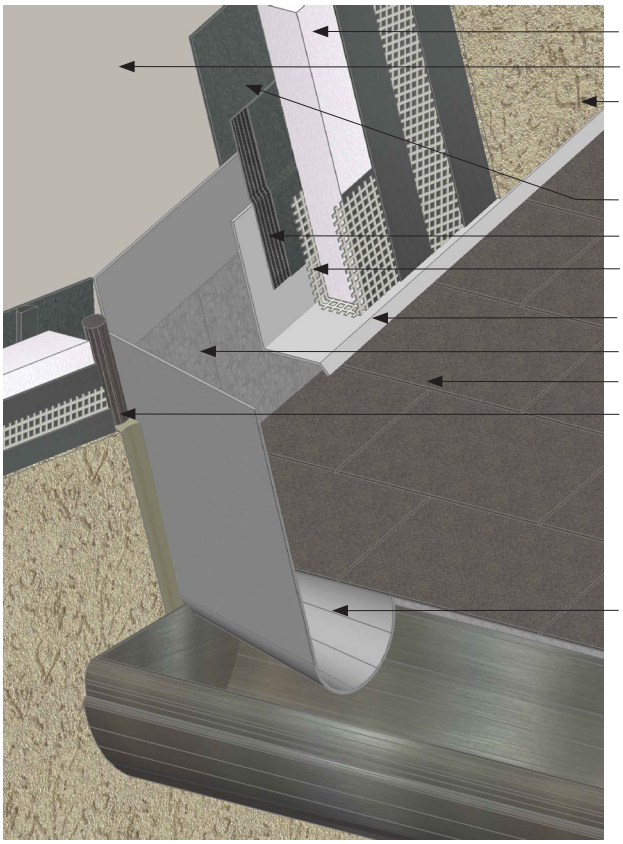
TYPICAL KICK-OUT FLASHING AT SLOPED ROOF



CAD FB 38 2601

(*NOTE: BY OTHERS)

- All terminations must be fully encapsulated with mesh reinforced base coat. Pre-backwrapping is recommended at drainage terminations. Extend reinforcing mesh a minimum of 2 1/2" onto back of insulation board.
- When SikaWall Rapid Bond is used: all terminations must be pre-backwrapped with Senergy base coat and SikaWall Detail Backwrap Mesh.
- Ensure a means for drainage is provided at system termination at roof.
- Terminate system a minimum of 2" (50 mm) above sloped roof.
- Ensure step flashing is a minimum of 2" (50 mm) behind system.
- Kick-out flashing shall be a minimum of 4" (102 mm) in height.
- Do not apply finish to areas that will receive sealant.
- Senergy Transition Treatment Options: SikaWall MaxFlash, SikaWall Sheathing Fabric embedded in Senershield-R/-RS/-VB or SikaWall Flash Seal NP.
- Reference *Acceptable Sealants for use with Senergy Wall Systems* Technical Bulletin for a list of sealants.

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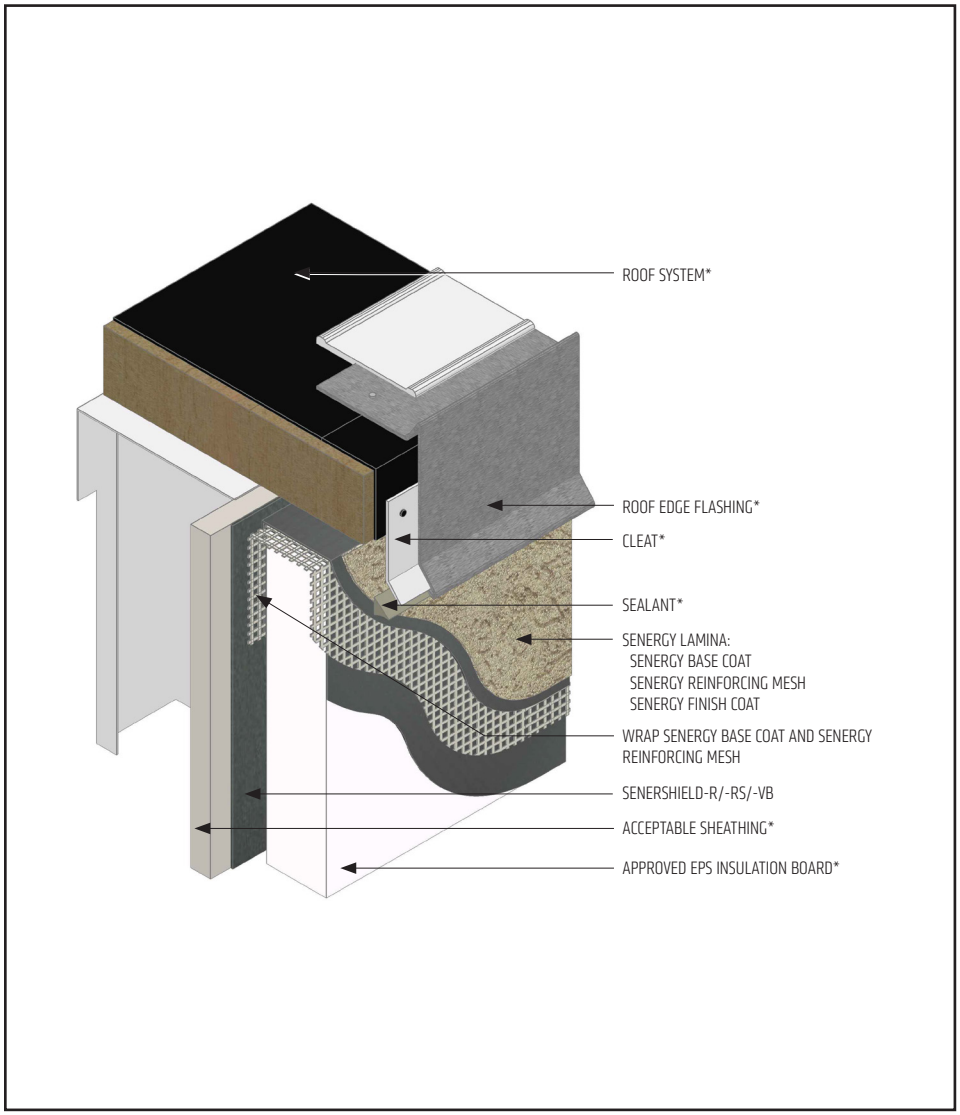
Channeled Adhesive FB Design

TYPICAL ROOF EDGE FLASHING



CAD FB 39 2601

(*NOTE: BY OTHERS)

- All terminations must be fully encapsulated with mesh reinforced base coat. Extend reinforcing mesh a minimum of 2 1/2" onto back of insulation board.
- When SikaWall Rapid Bond is used: all terminations must be pre-backwrapped with Senergy base coat and SikaWall Detail Backwrap Mesh.
- Ensure that metal coping/flashing extends onto the system a minimum of 2" (50 mm) down the face.
- Extend Senershield-R/-RS/-VB or SikaWall MaxFlash onto bottom of blocking or provide alternate air seal at sheathing termination to blocking.
- Reference *Acceptable Sealants for use with Senergy Wall Systems* Technical Bulletin for a list of sealants.

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