

Senergy[®]



Cement Board Stucco (CBS) 1000 CI

Cement Board System with Integral Continuous Insulation

Typical 2D Details

BUILDING TRUST



Cement Board Stucco (CBS) 1000 CI

Typical 2D Details

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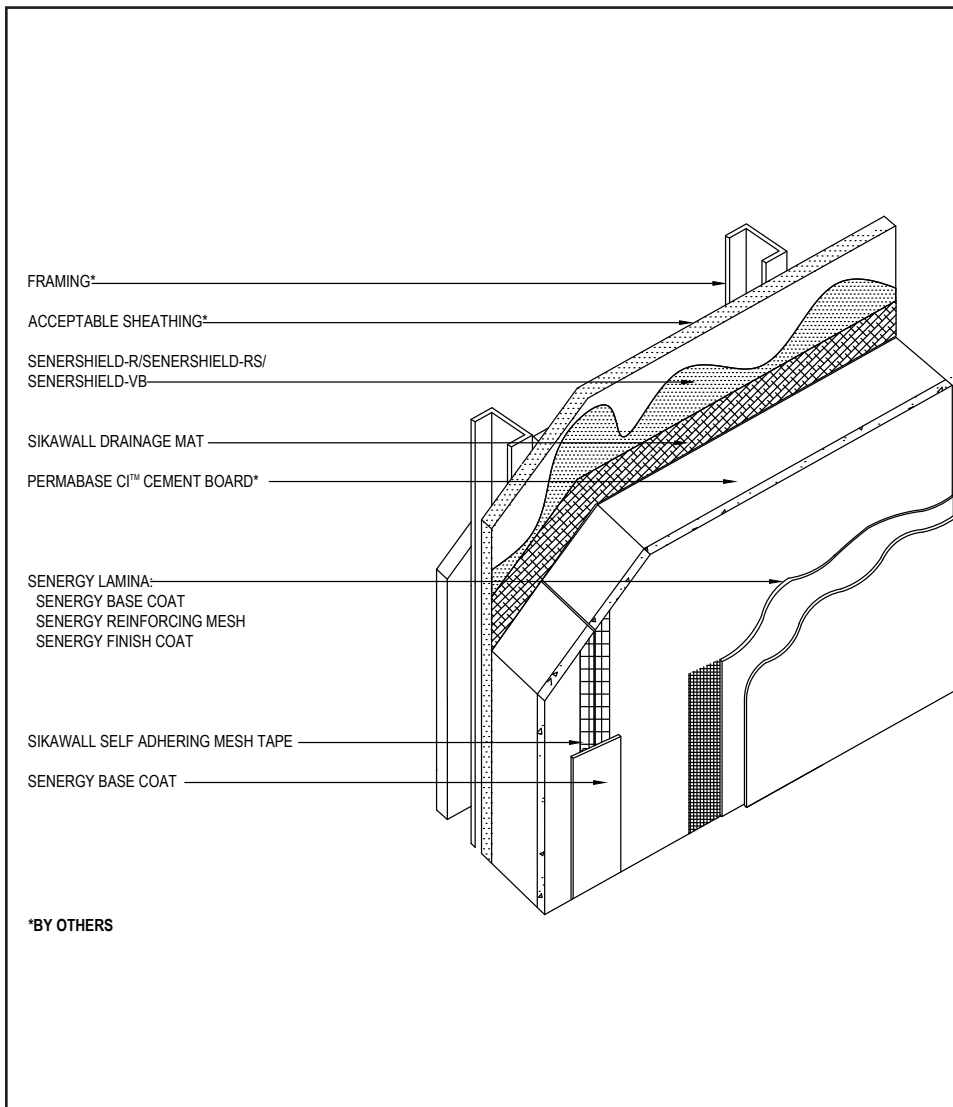
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Notes:

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Cement Board Stucco (CBS) 1000 CI

TYPICAL CBS 1000 CI SYSTEM (ISOMETRIC)



- Install PermaBase CI composite cement board panel over Senergy air/water-resistive barrier and SikaWall Drainage Mat per manufacturers' recommendations, applicable building code and project requirements.

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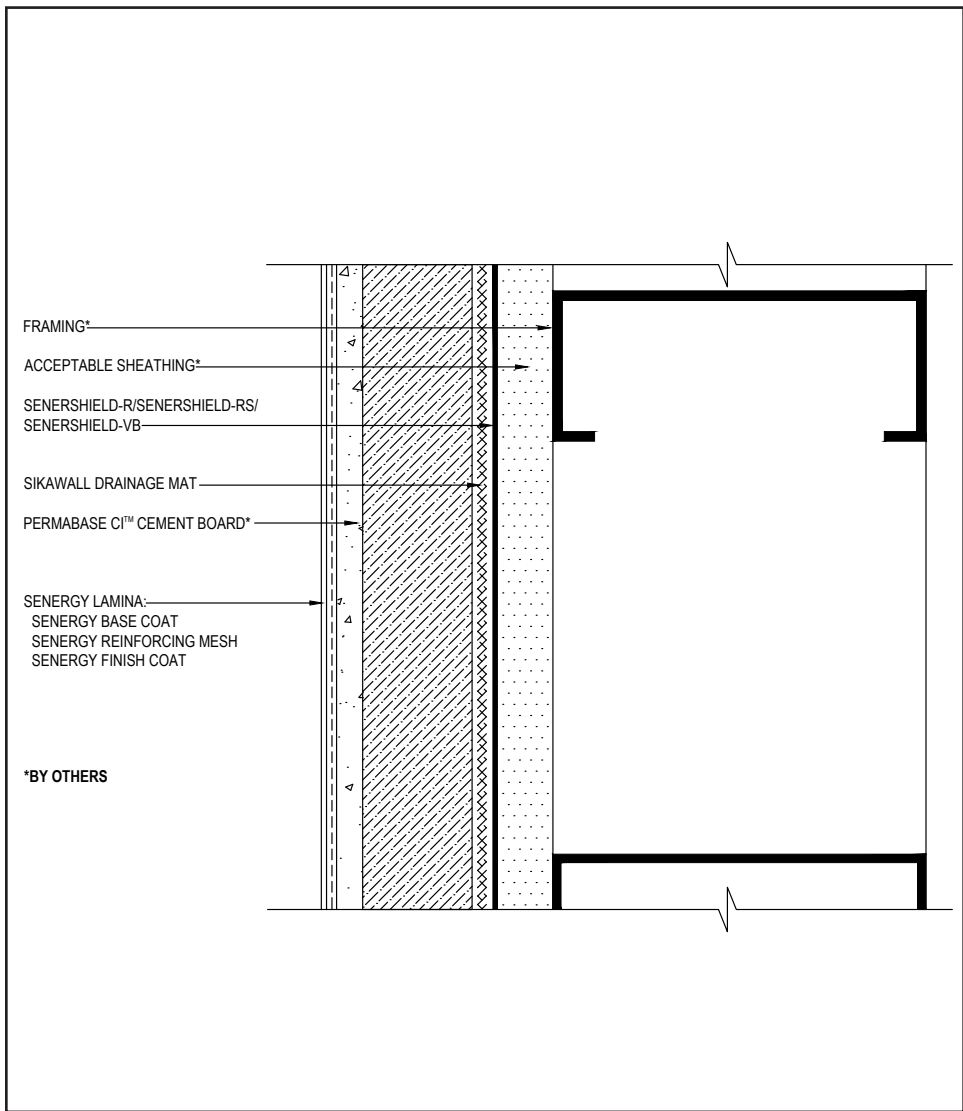
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Cement Board Stucco (CBS) 1000 CI

TYPICAL CBS 1000 CI SYSTEM (PLAN VIEW)



- Install PermaBase CI composite cement board panel over Senergy air/water-resistive barrier and SikaWall Drainage Mat per manufacturers' recommendations, applicable building code and project requirements.

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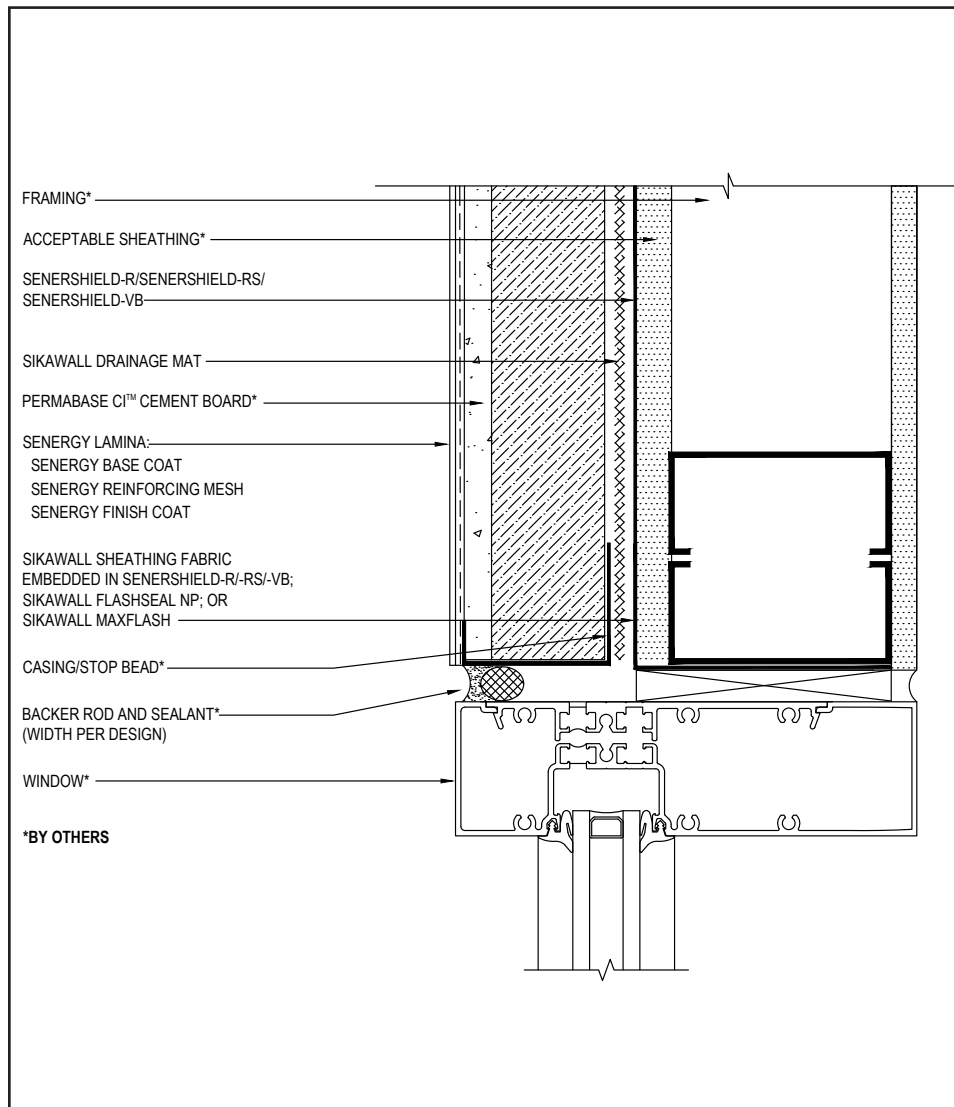
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Cement Board Stucco (CBS) 1000 CI

TYPICAL WINDOW JAMB DETAIL WITH CASING BEAD (PLAN VIEW)



- Prior to window and SikaWall Drainage Mat installation, ensure water-resistive barrier is properly applied into the rough openings in accordance with Senergy Senershield published typical details for further information.
- Reference *Acceptable Sealants for use with Senergy Wall Systems* Technical Bulletin for a list of sealants.
- Do not apply finish to areas that will receive sealant.
- Consult window and sealant manufacturers to verify window installation, detailing and to ensure no water leakage into the wall assembly.

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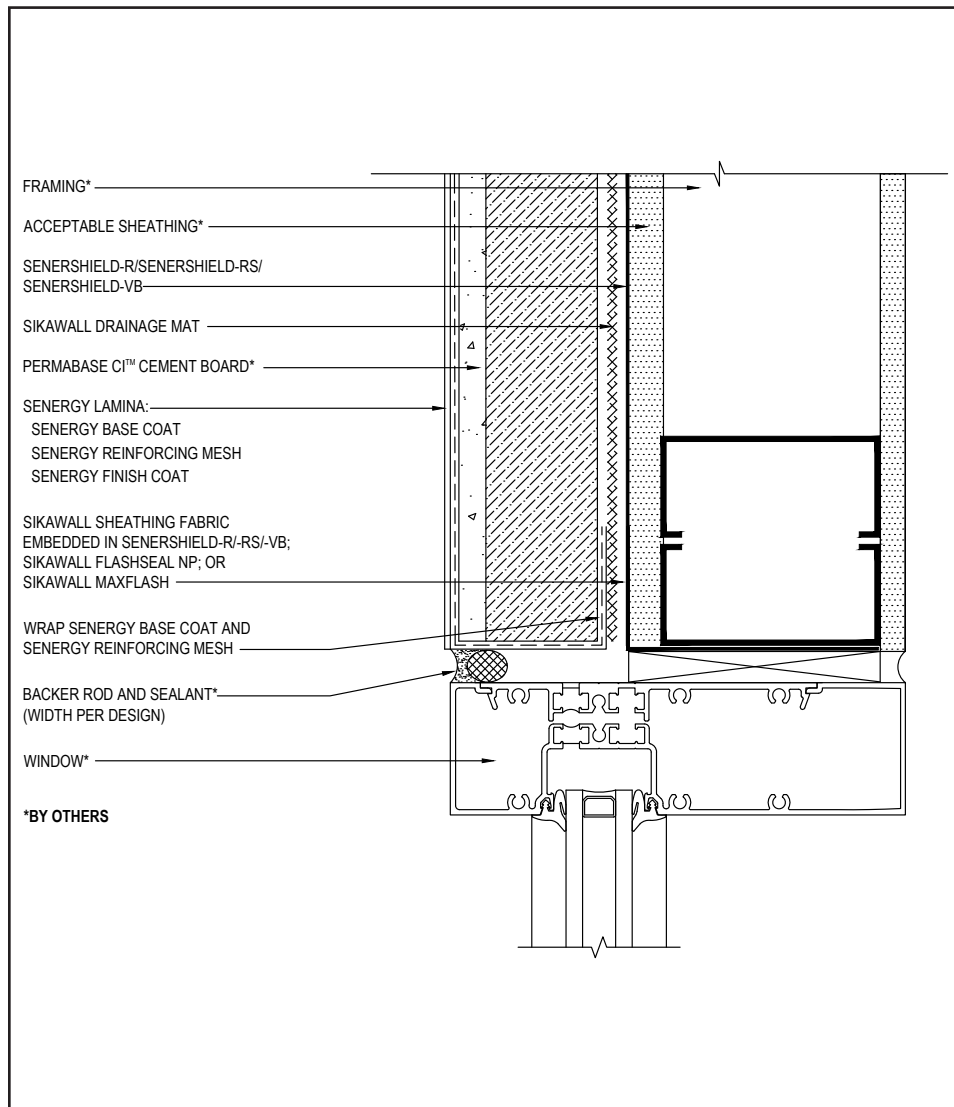
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Cement Board Stucco (CBS) 1000 CI

TYPICAL WINDOW JAMB DETAIL WITH BACKWRAP (PLAN VIEW)



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(*NOTE: BY OTHERS)

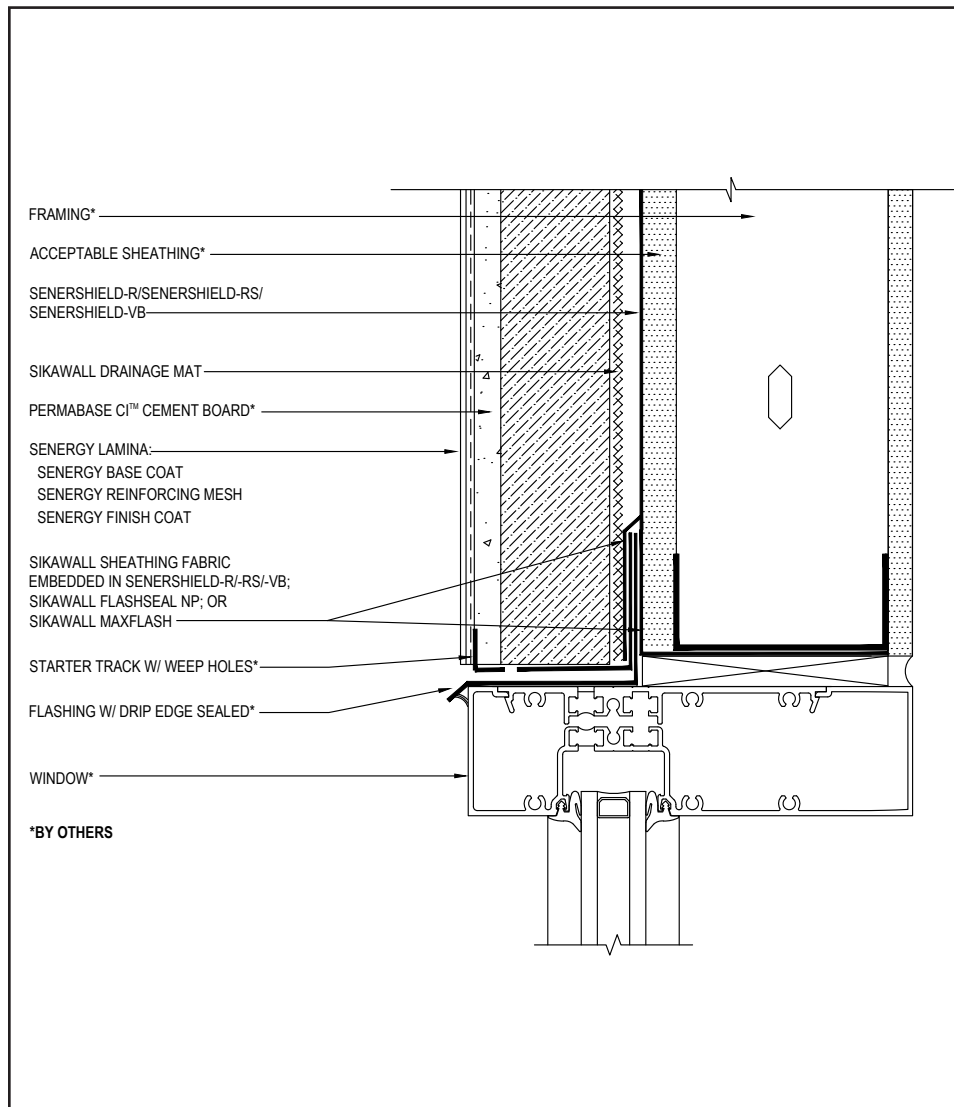
- Fully encapsulate system termination with mesh reinforced base coat. Extend reinforcing mesh a minimum of 2 ½" onto back of insulation board.
- Prior to window and SikaWall Drainage Mat installation, ensure water-resistive barrier is properly applied into the rough openings in accordance with Senergy application guidelines and code requirements. Reference Senergy Senershield published typical details for further information.
- 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.
- Do not apply finish to areas that will receive sealant.
- Consult window and sealant manufacturers to verify window installation, detailing and to ensure no water leakage into the wall assembly.

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Cement Board Stucco (CBS) 1000 CI

TYPICAL WINDOW HEAD DETAIL WITH STARTER TRACK



- Provide end-dams at flashing terminations.
- Ensure a means for drainage is provided at system termination at window head.
- Prior to window and SikaWall Drainage Mat 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.
- Ensure a starter track with weep holes is used.
- Consult window and sealant manufacturers to verify window installation, detailing and to ensure no water leakage into the wall assembly.

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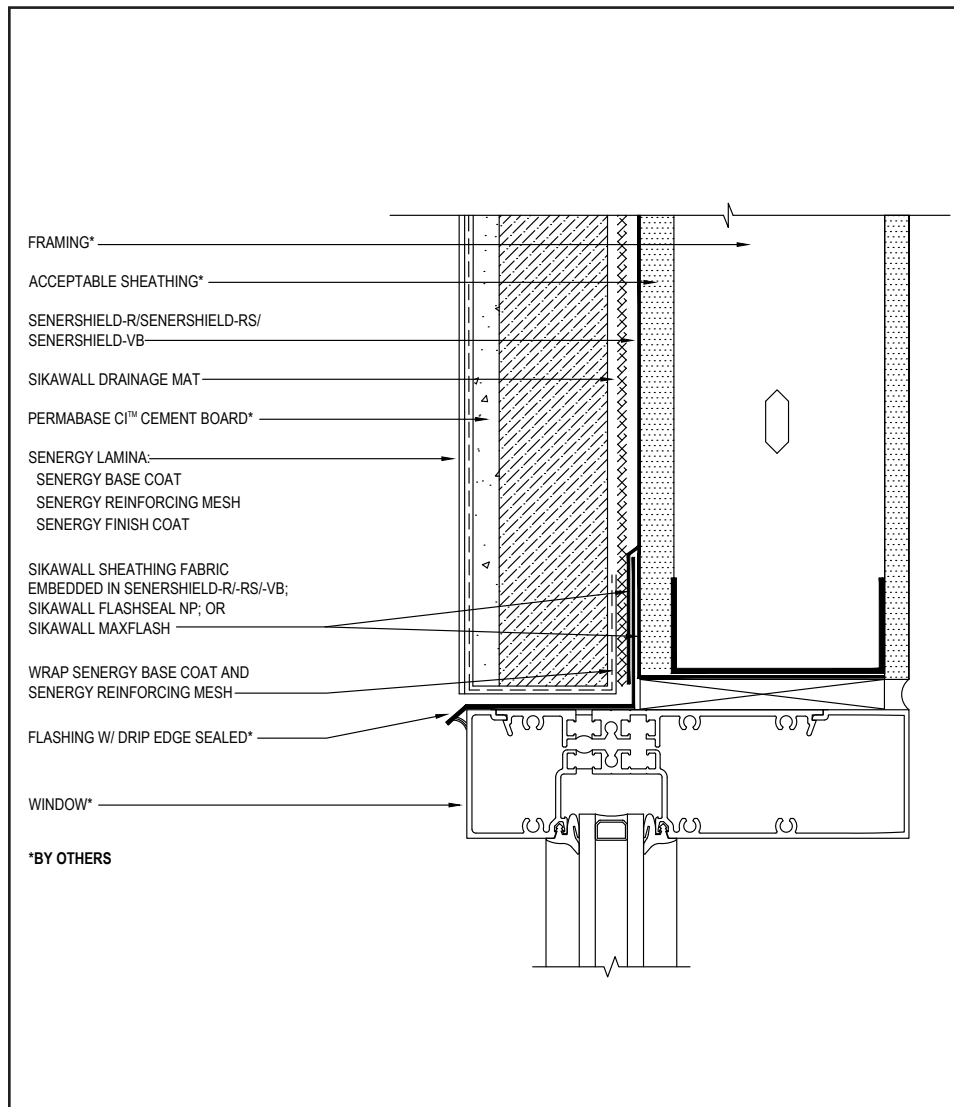
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TYPICAL WINDOW HEAD DETAIL WITH BACKWRAP



- Provide end-dams at flashing terminations.
- Ensure a means for drainage is provided at system termination at window head.
- Fully encapsulate system termination with mesh reinforced base coat. Extend reinforcing mesh a minimum of 2 ½" onto back of insulation board.
- Prior to window and SikaWall Drainage Mat 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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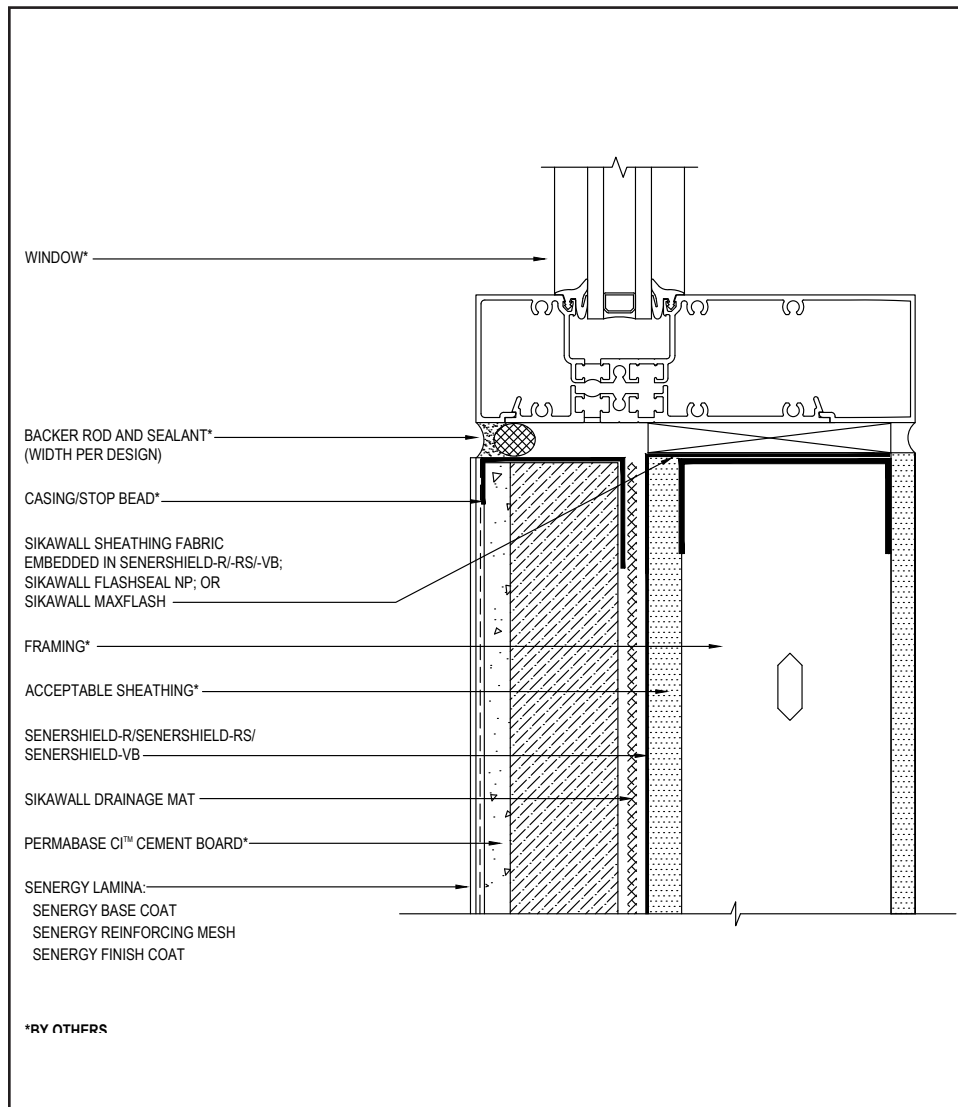
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TYPICAL WINDOW SILL DETAIL WITH CASING BEAD



- Prior to window and SikaWall Drainage Mat 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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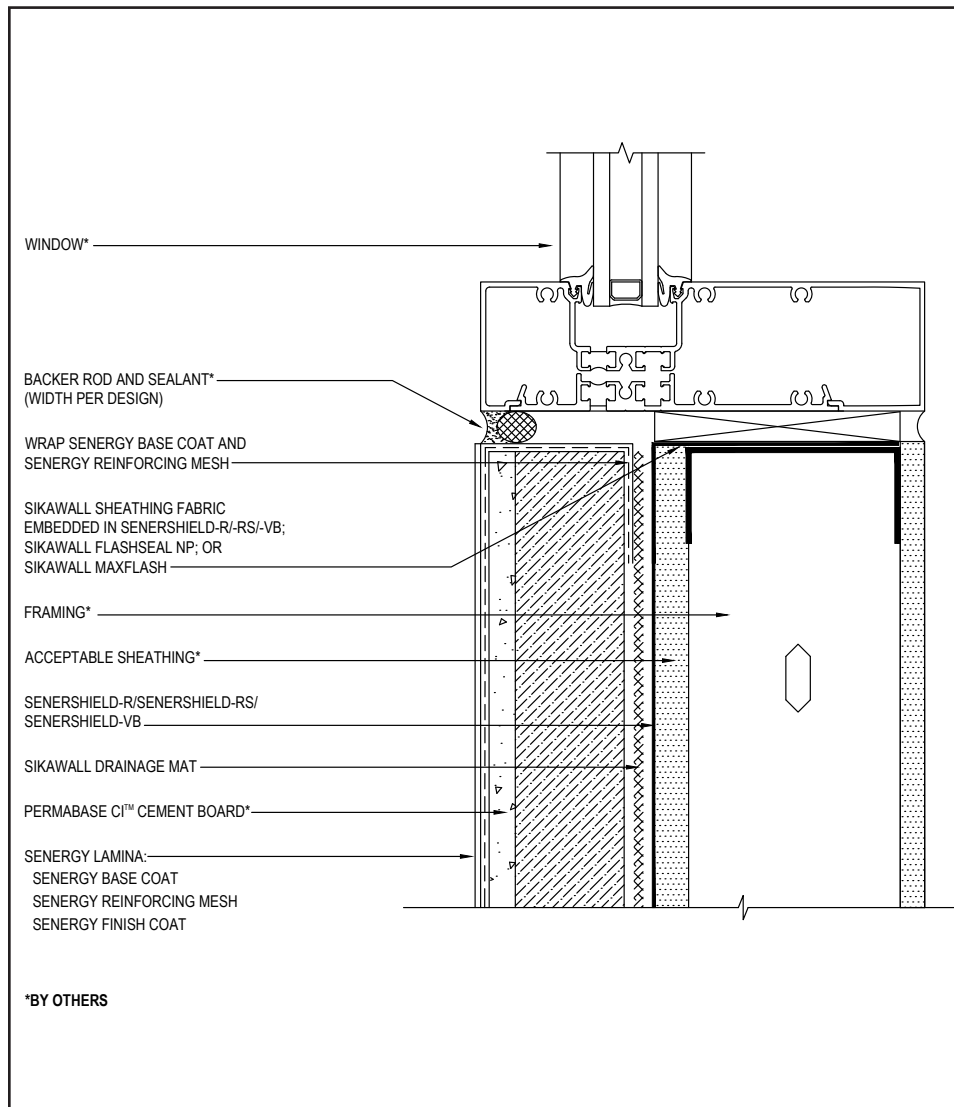
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TYPICAL WINDOW SILL DETAIL WITH BACKWRAP



- Fully encapsulate system termination with mesh reinforced base coat. Extend reinforcing mesh a minimum of 2 ½" onto back of insulation board.
- Prior to window and SikaWall Drainage Mat 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.
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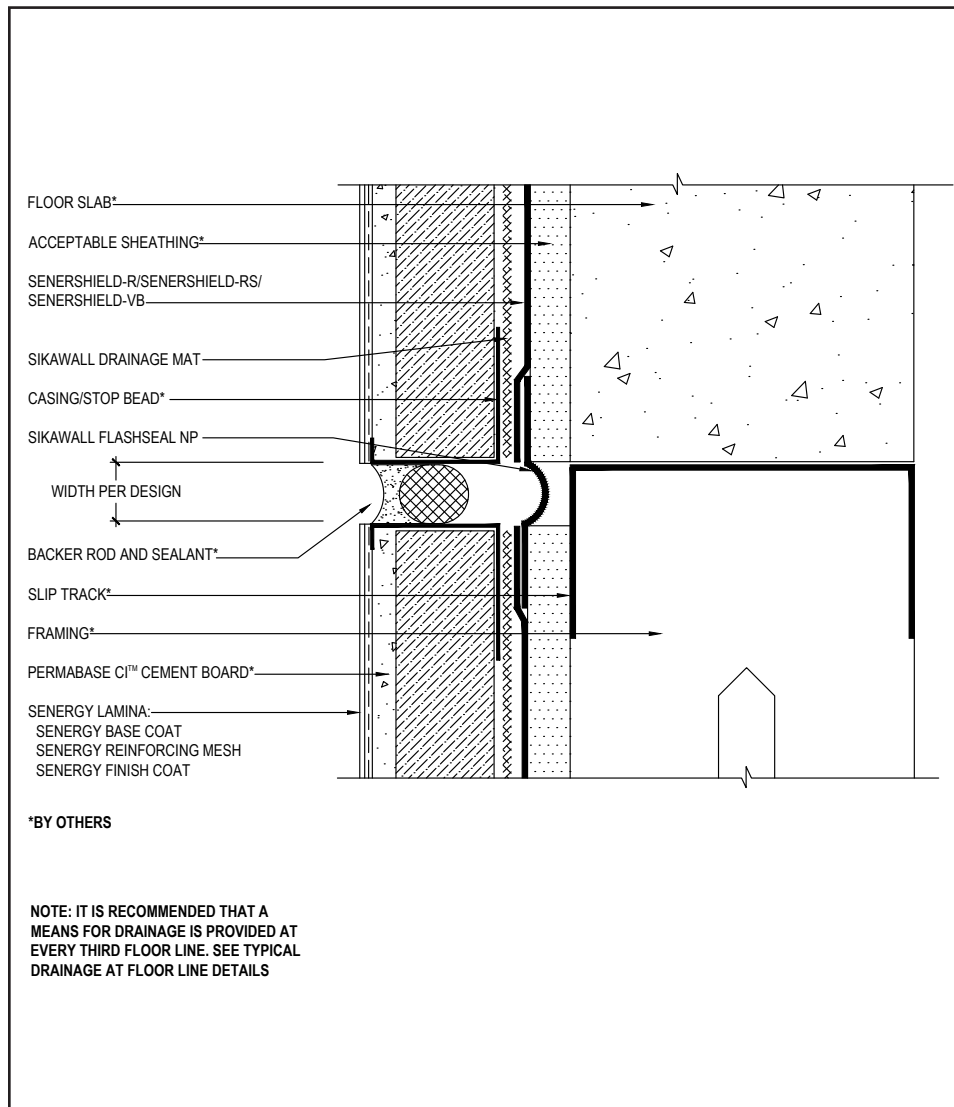
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Cement Board Stucco (CBS) 1000 CI

TYPICAL EXPANSION JOINT AT FLOOR LINE WITH CASING BEAD



- Provide sufficient slack in the SikaWall Flash Seal NP at expansion joint 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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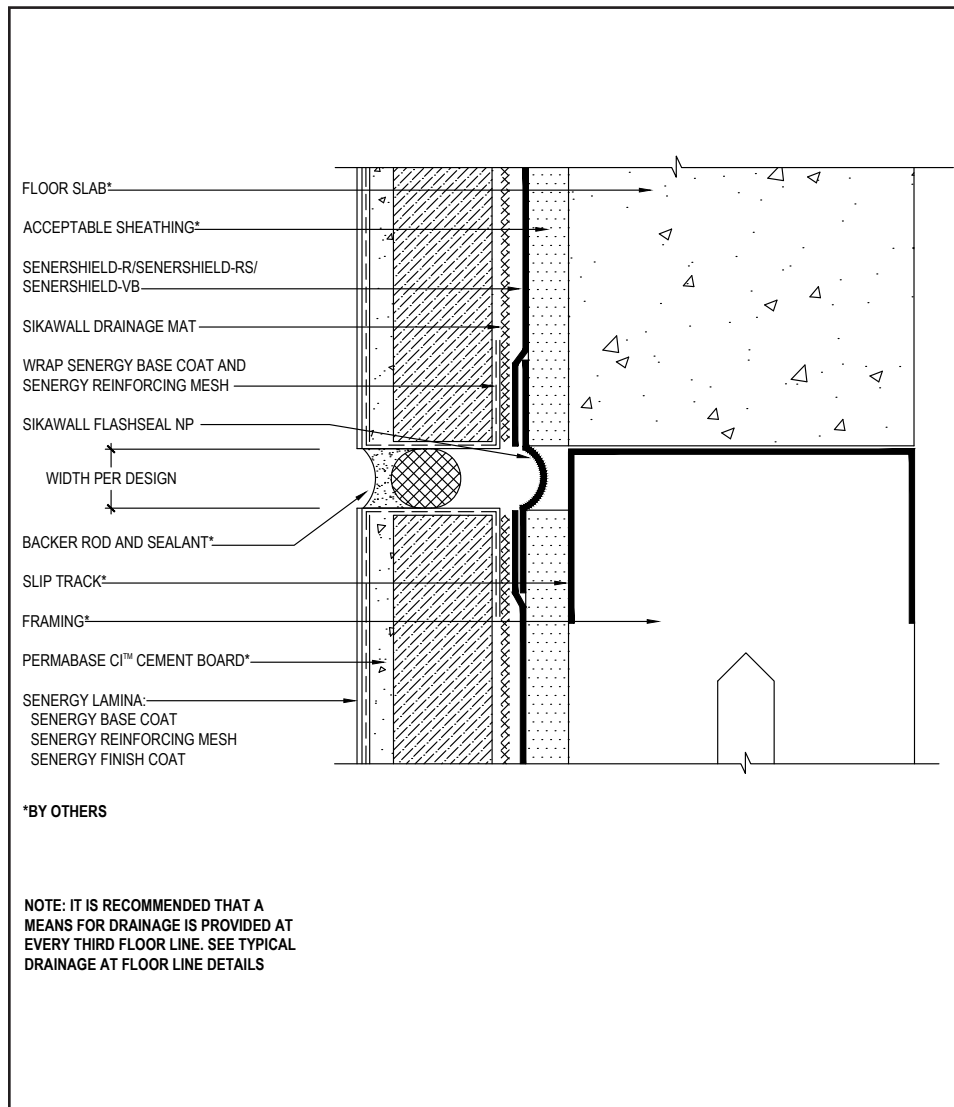
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TYPICAL EXPANSION JOINT AT FLOOR LINE WITH BACKWRAP



- Fully encapsulate system termination with mesh reinforced base coat. Extend reinforcing mesh a minimum of 2 ½" onto back of insulation board.
- Provide sufficient slack in the SikaWall Flash Seal NP at expansion joint 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.
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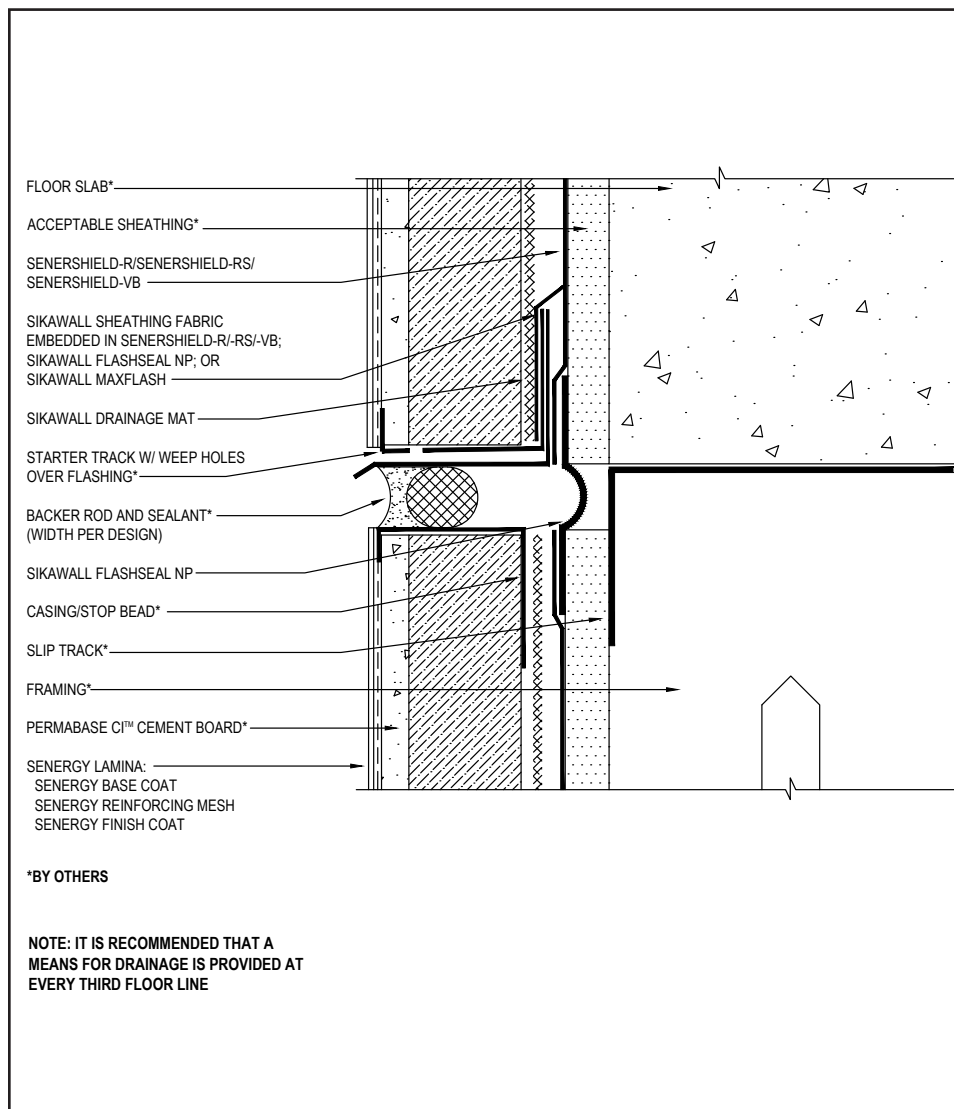
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TYPICAL DRAINAGE AT FLOOR LINE WITH STARTER TRACK AND CASING BEAD



- Ensure a starter track with weep holes is used.
- Provide sufficient slack in the SikaWall Flash Seal NP at expansion joint 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.
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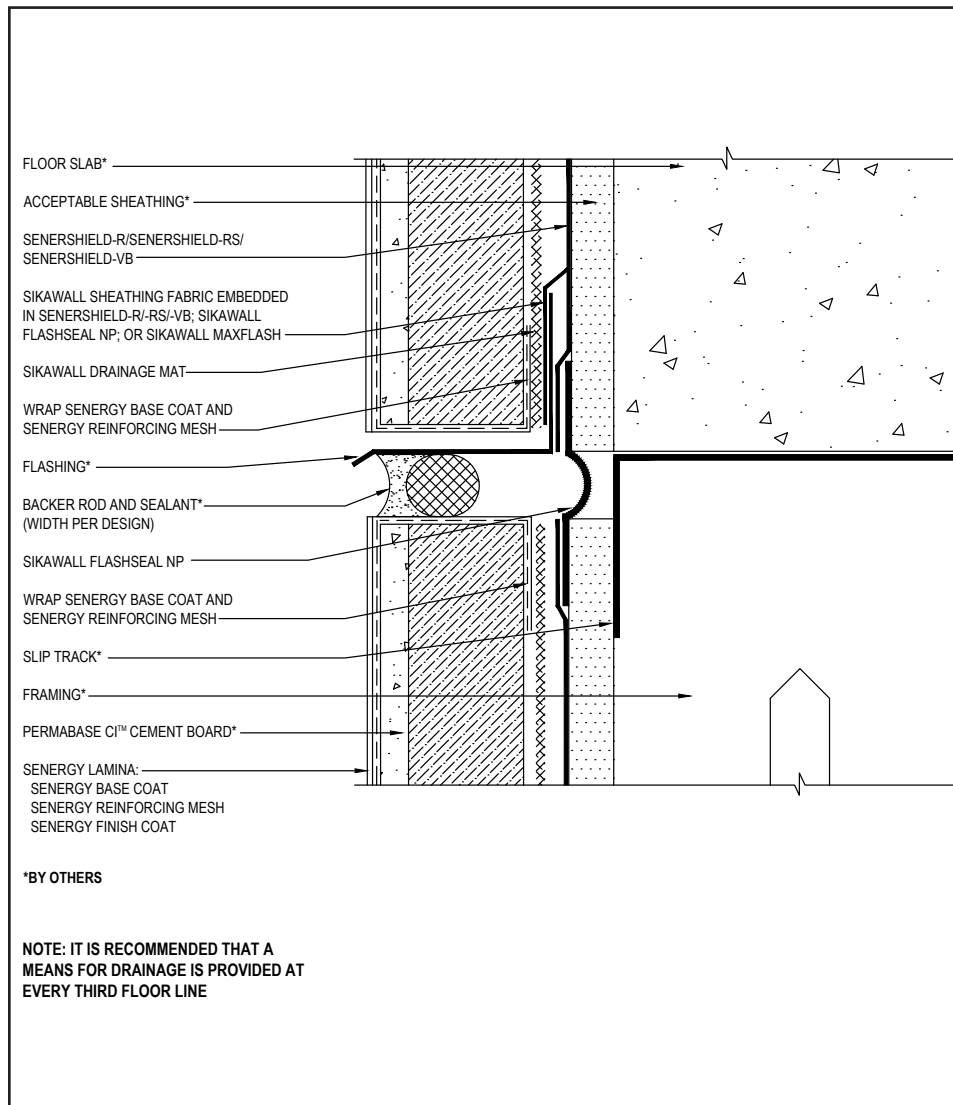
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TYPICAL DRAINAGE AT FLOOR LINE WITH BACKWRAP



- Fully encapsulate system termination with mesh reinforced base coat. Extend reinforcing mesh a minimum of 2 ½" onto back of insulation board.
- Provide sufficient slack in the SikaWall Flash Seal NP at expansion joint 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.
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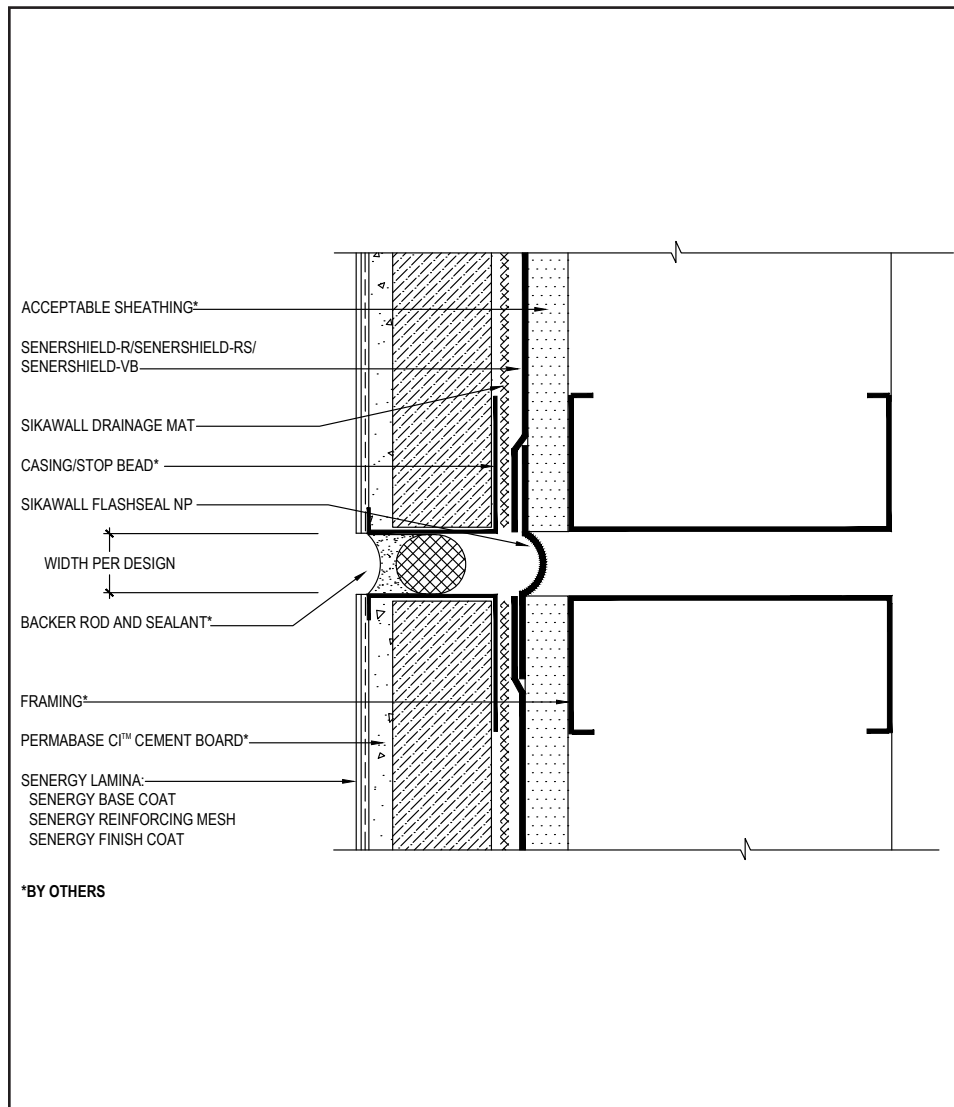
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TYPICAL VERTICAL EXPANSION JOINT WITH CASING BEAD (PLAN VIEW)



- Fully encapsulate system termination with mesh reinforced base coat. Extend reinforcing mesh a minimum of 2 ½" onto back of insulation board.
- Provide sufficient slack in the SikaWall Flash Seal NP at expansion joint 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).
- Do not apply finish to areas that will receive sealant.
- Ensure drainage plane is continuous and unobstructed at expansion joint.
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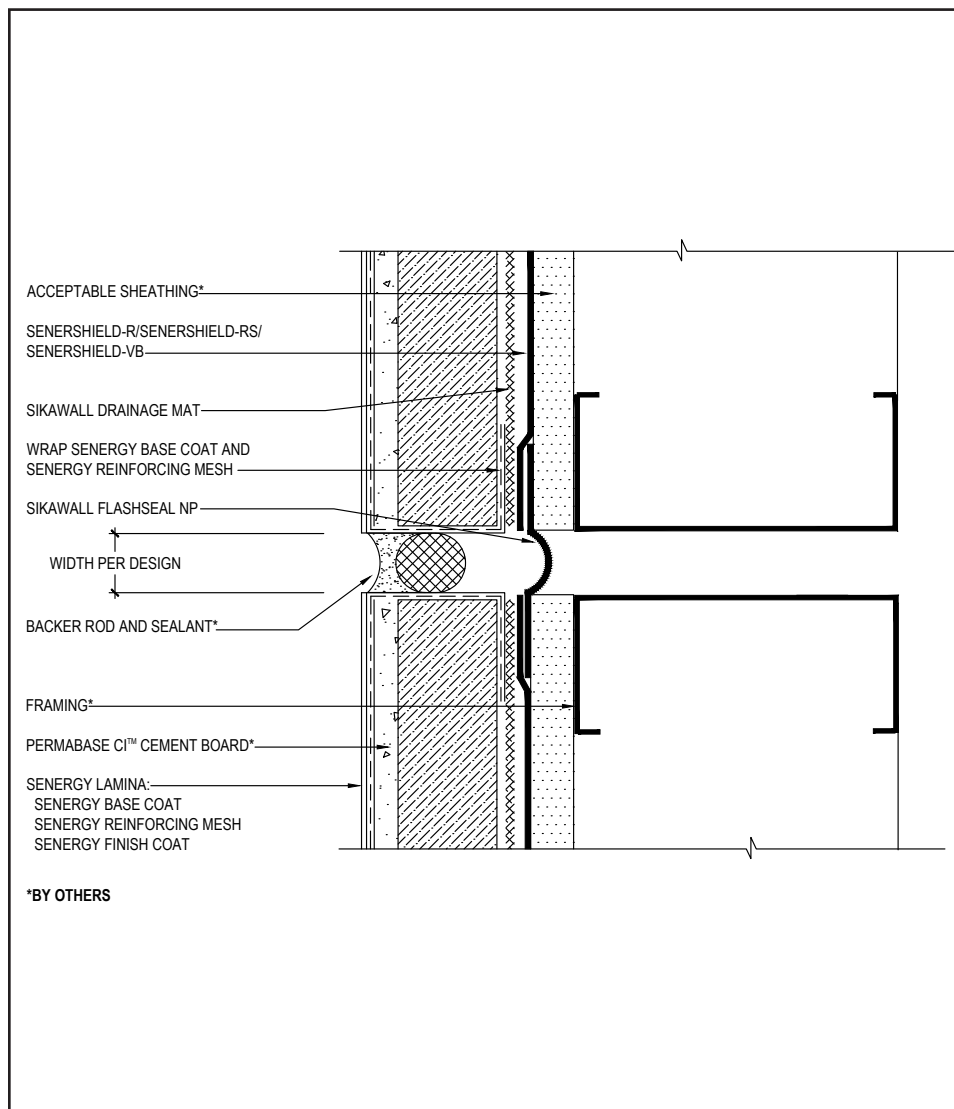
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TYPICAL VERTICAL EXPANSION JOINT WITH BACKWRAP (PLAN VIEW)



- Do not apply finish to areas that will receive sealant.
- Fully encapsulate system termination with mesh reinforced base coat. Extend reinforcing mesh a minimum of 2 ½" onto back of insulation board.
- Provide sufficient slack in the SikaWall Flash Seal NP at expansion joint 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.
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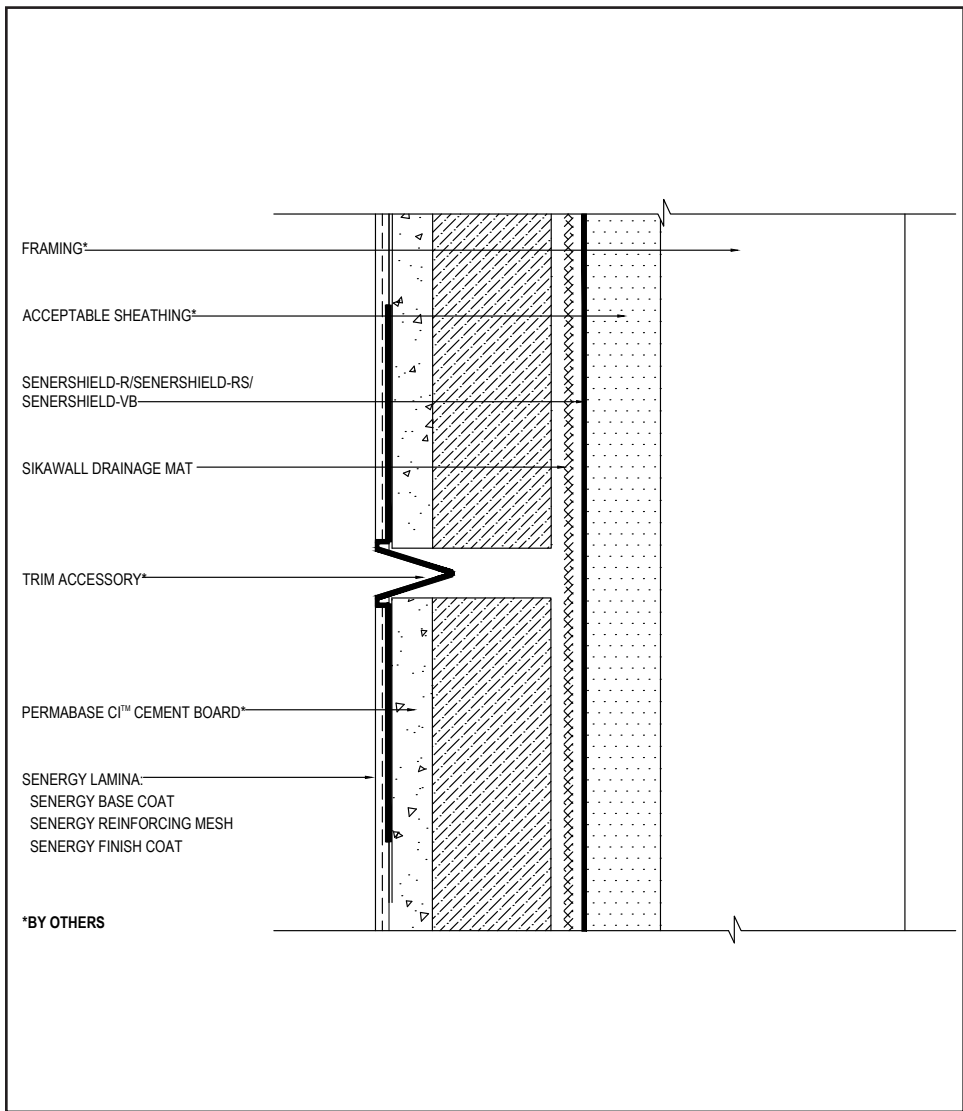
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Cement Board Stucco (CBS) 1000 CI

TYPICAL CONTROL JOINT - REVEAL 1



- Locate control joints approximately every 600 ft.2 (56 m2) of wall surface area with maximum uncontrolled length or width of 24 lin. ft. (7 m) and a maximum uncontrolled length-to-width ratio of 2 1/2:1.

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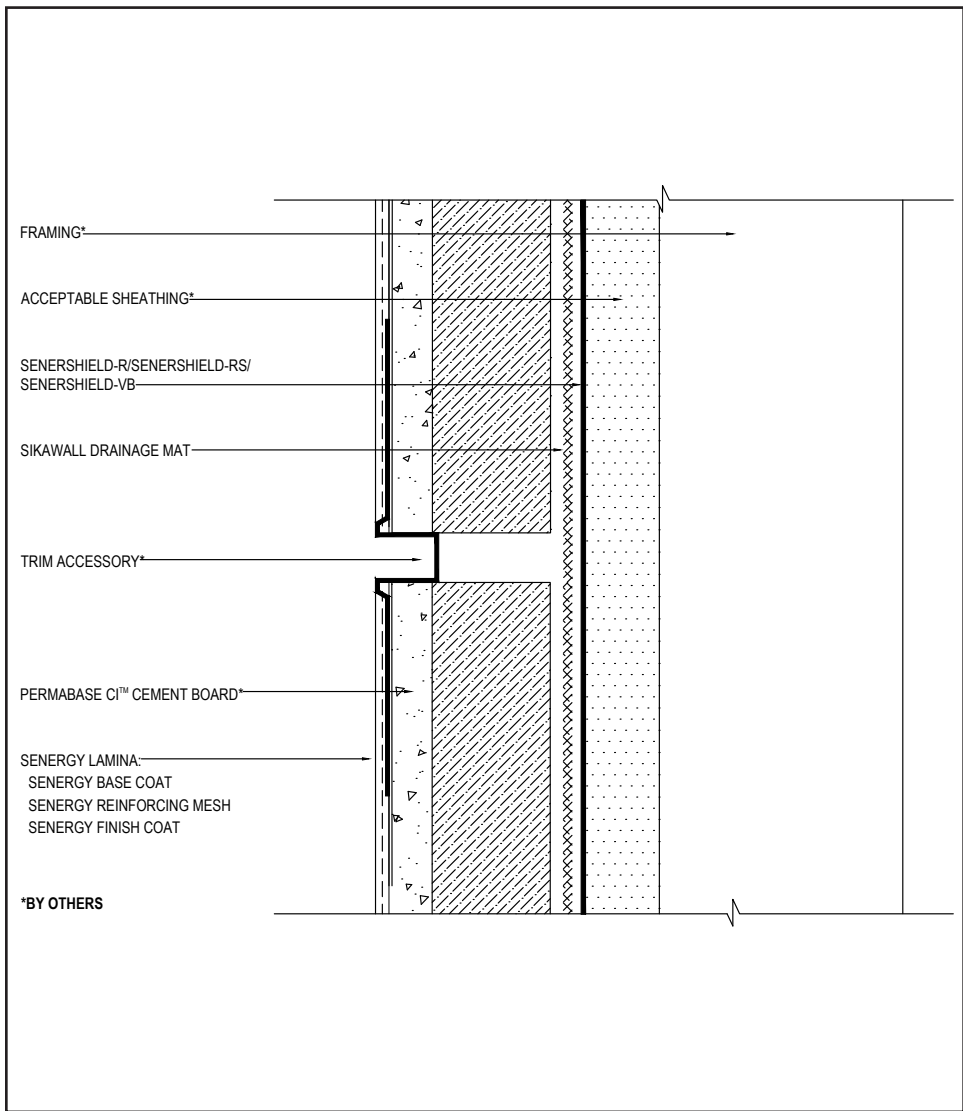
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Cement Board Stucco (CBS) 1000 CI

TYPICAL CONTROL JOINT - REVEAL 2



- Locate control joints approximately every 600 ft.2 (56 m2) of wall surface area with maximum uncontrolled length or width of 24 lin. ft. (7 m) and a maximum uncontrolled length-to-width ratio of 2 1/2:1.

16 0524

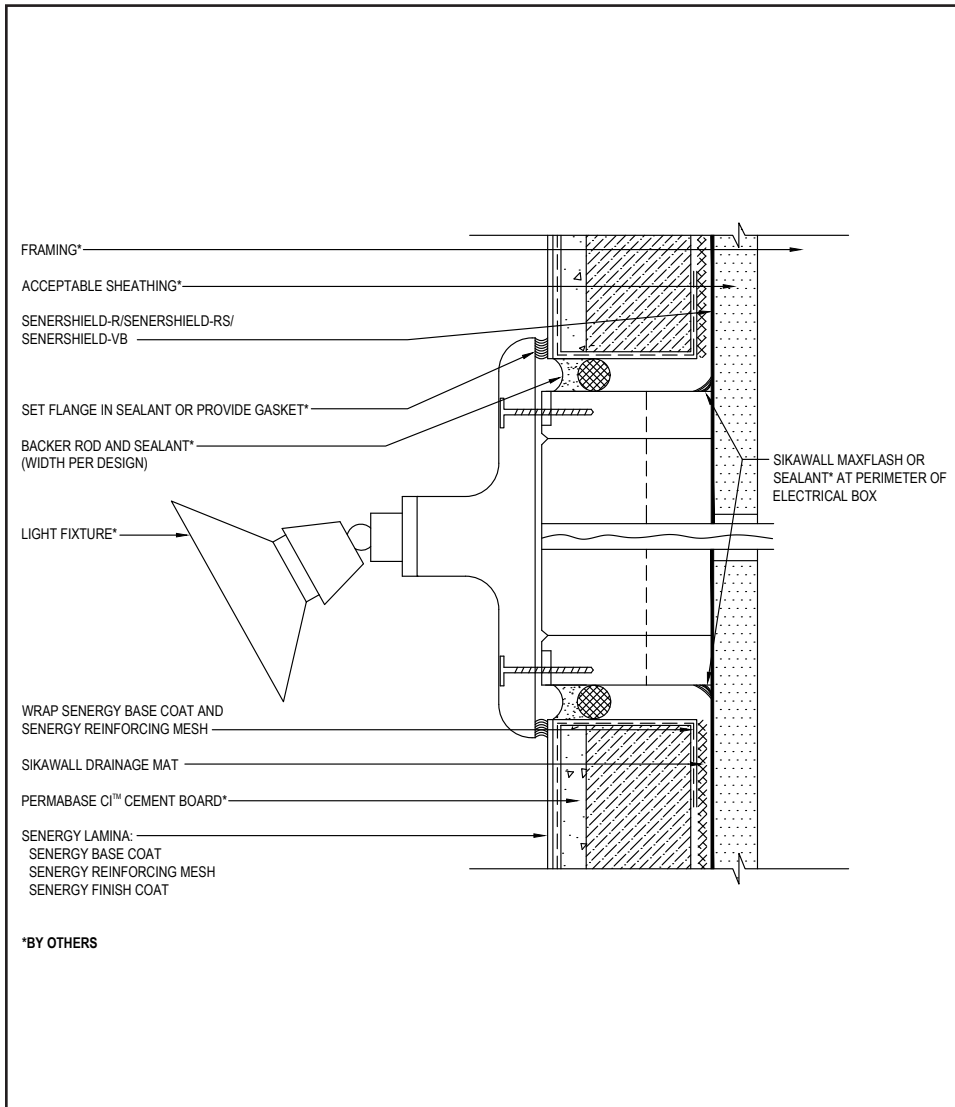
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TYPICAL LIGHT FIXTURE



- Fully encapsulate system termination with mesh reinforced base coat. Extend reinforcing mesh a minimum of 2 1/2" onto back of insulation board.
- Ensure all penetrations into the system are properly sealed.
- Provide continuous air seal around perimeter of penetration prior to SikaWall Drainage Mat application. Reference *Acceptable Sealants for use with Senershield- R/-RS/-VB* Technical Bulletin for a list of sealants.

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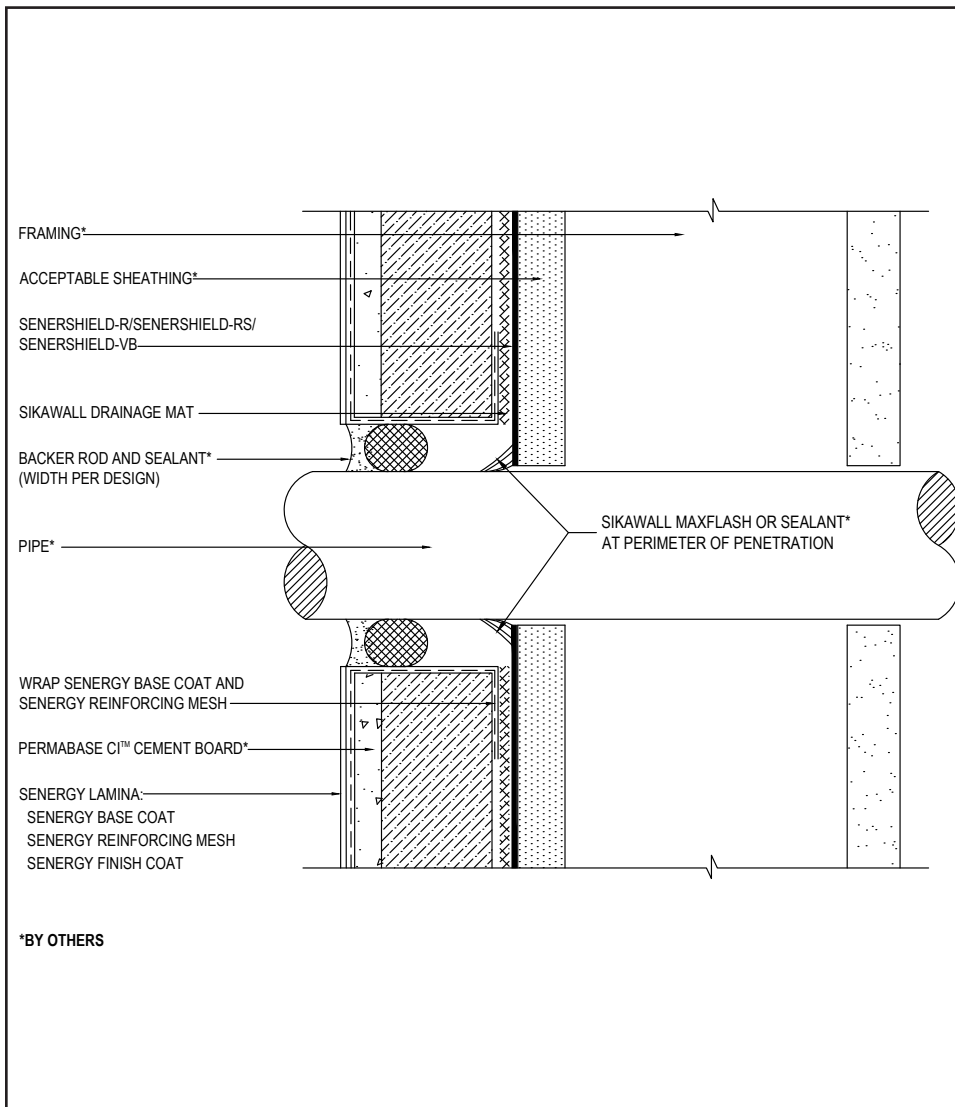
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TYPICAL PIPE PENETRATION



- Ensure all penetrations into the system are properly sealed.
- Provide continuous air seal around perimeter of penetration prior to SikaWall Drainage Mat application.

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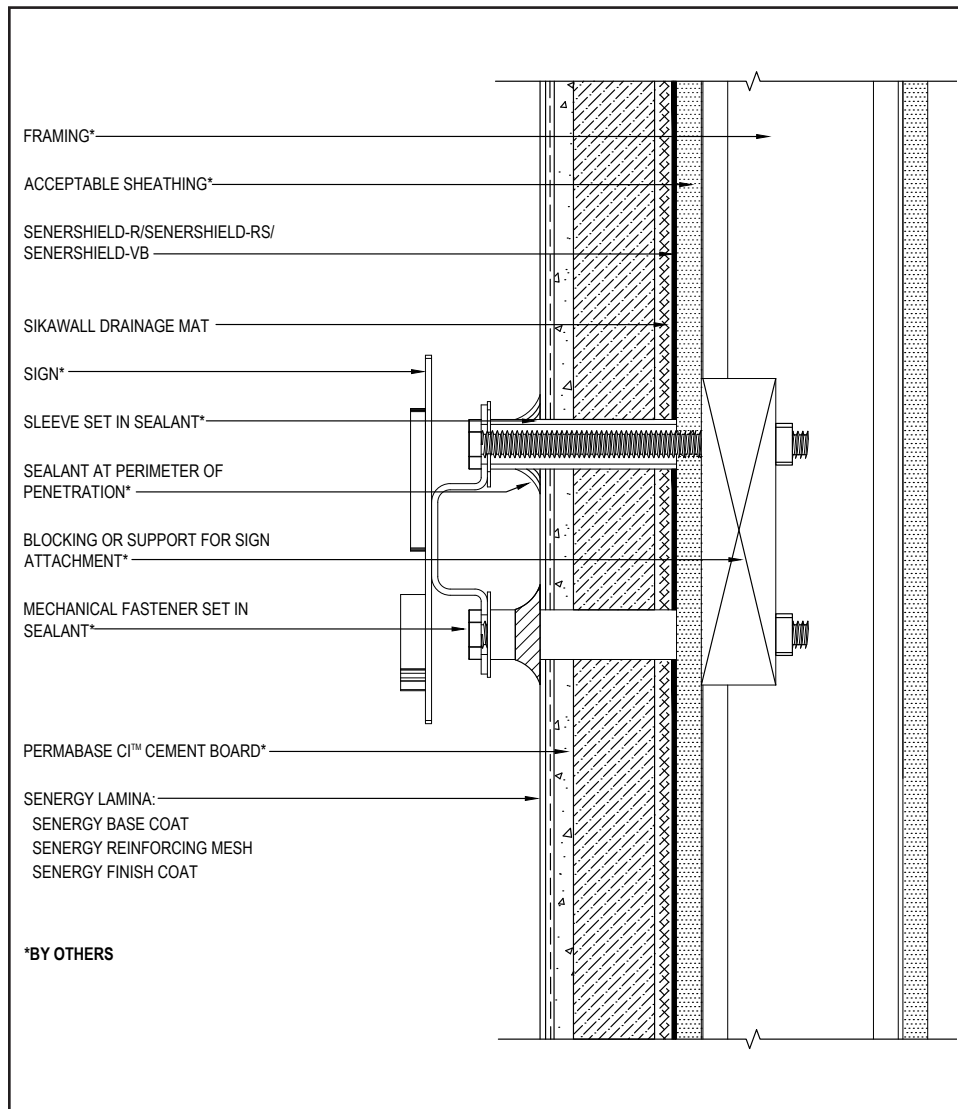
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TYPICAL SIGN ATTACHMENT



• Ensure all fastener penetrations through the system are properly sealed.

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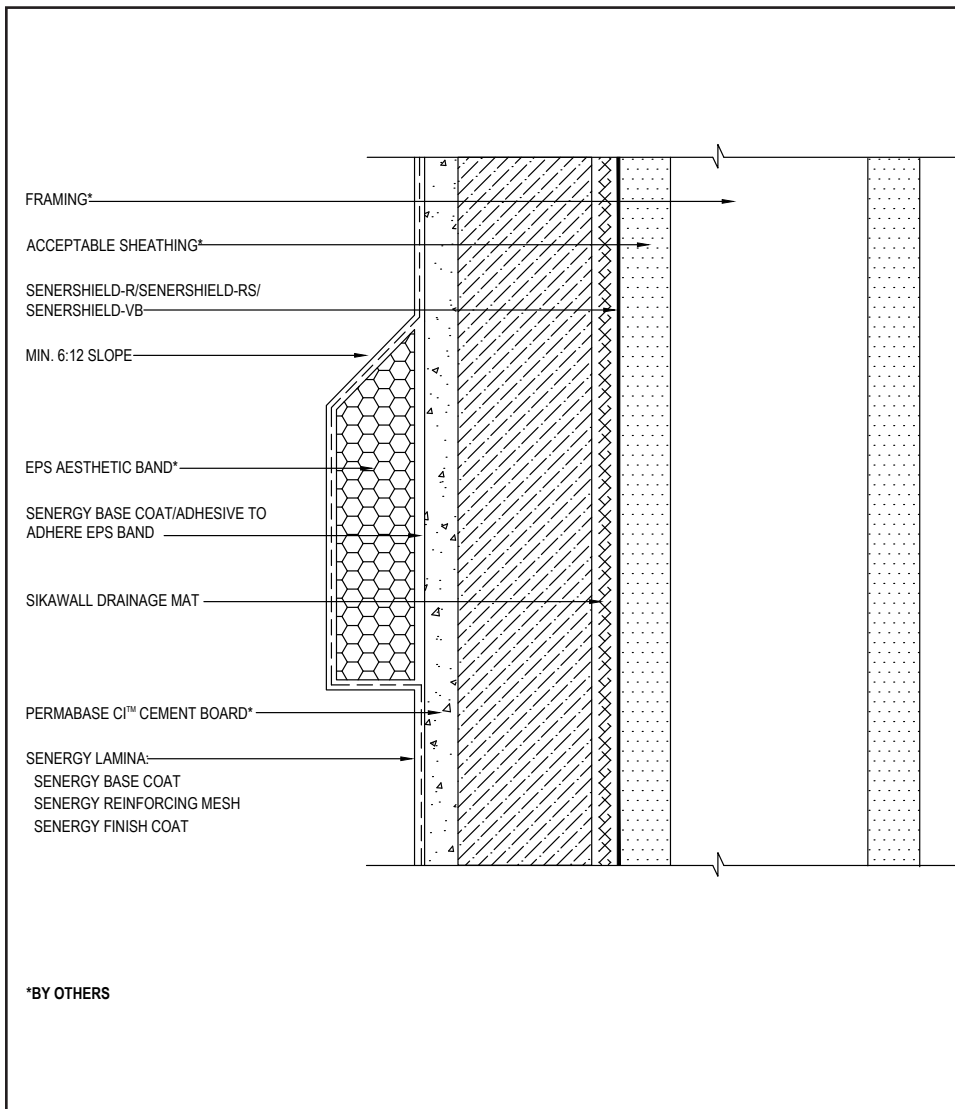
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TYPICAL EPS SHAPE APPLICATION



- 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.

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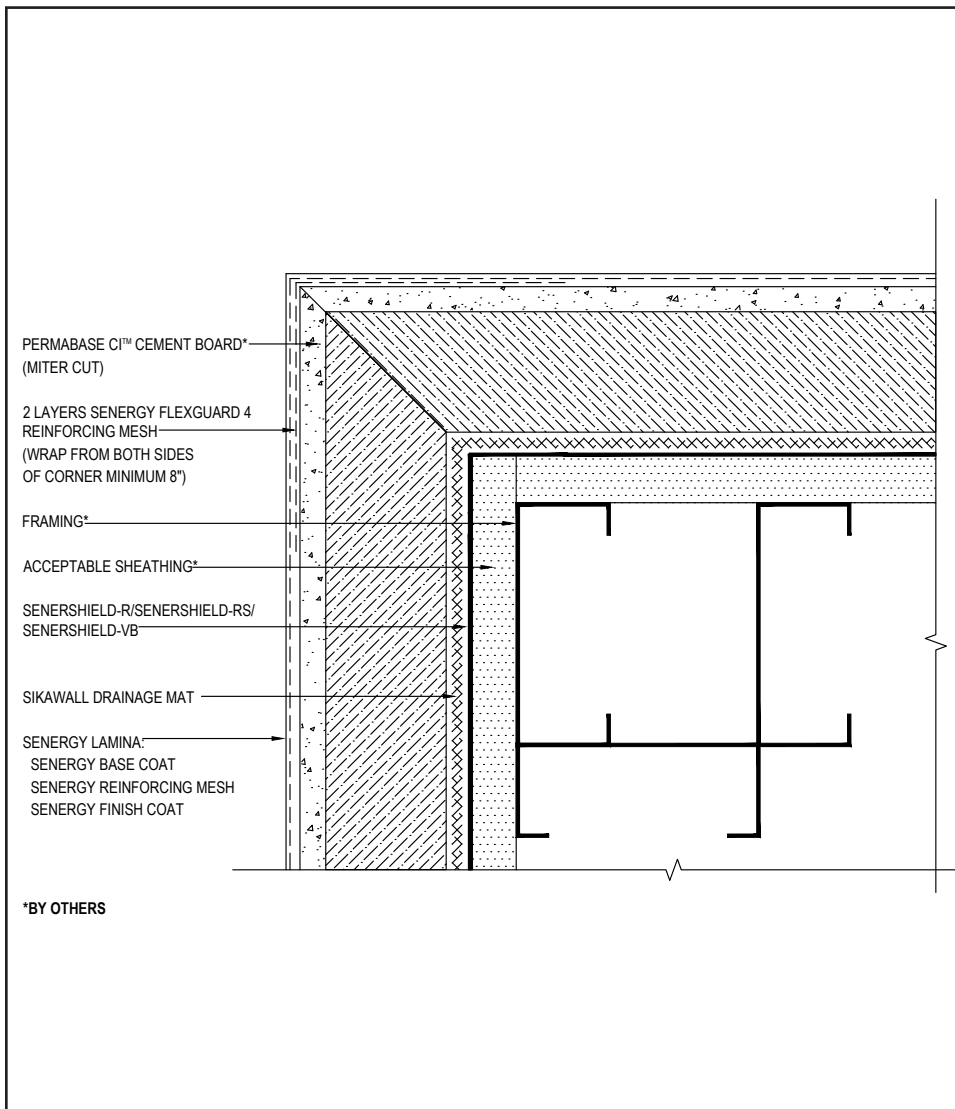
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TYPICAL OUTSIDE CORNER MITER DETAIL (PLAN VIEW)



- Ensure Flexguard 4 Reinforcing Mesh is lapped a minimum of 8" (203 mm) around corner on both sides.

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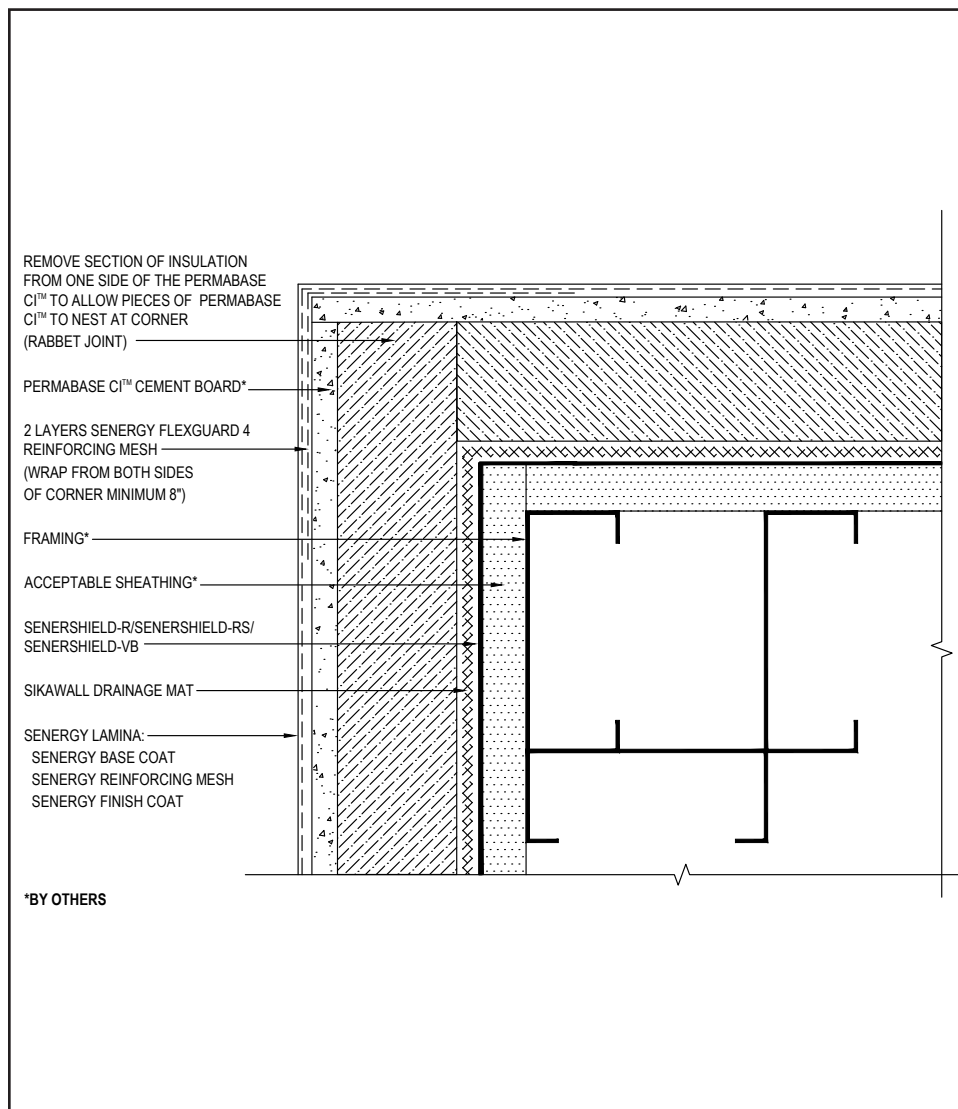
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TYPICAL OUTSIDE CORNER DETAIL RABBET JOINT (PLAN VIEW)



- Ensure Flexguard 4 Reinforcing Mesh is lapped a minimum of 8" (203 mm) around corner on both sides.

22 0524

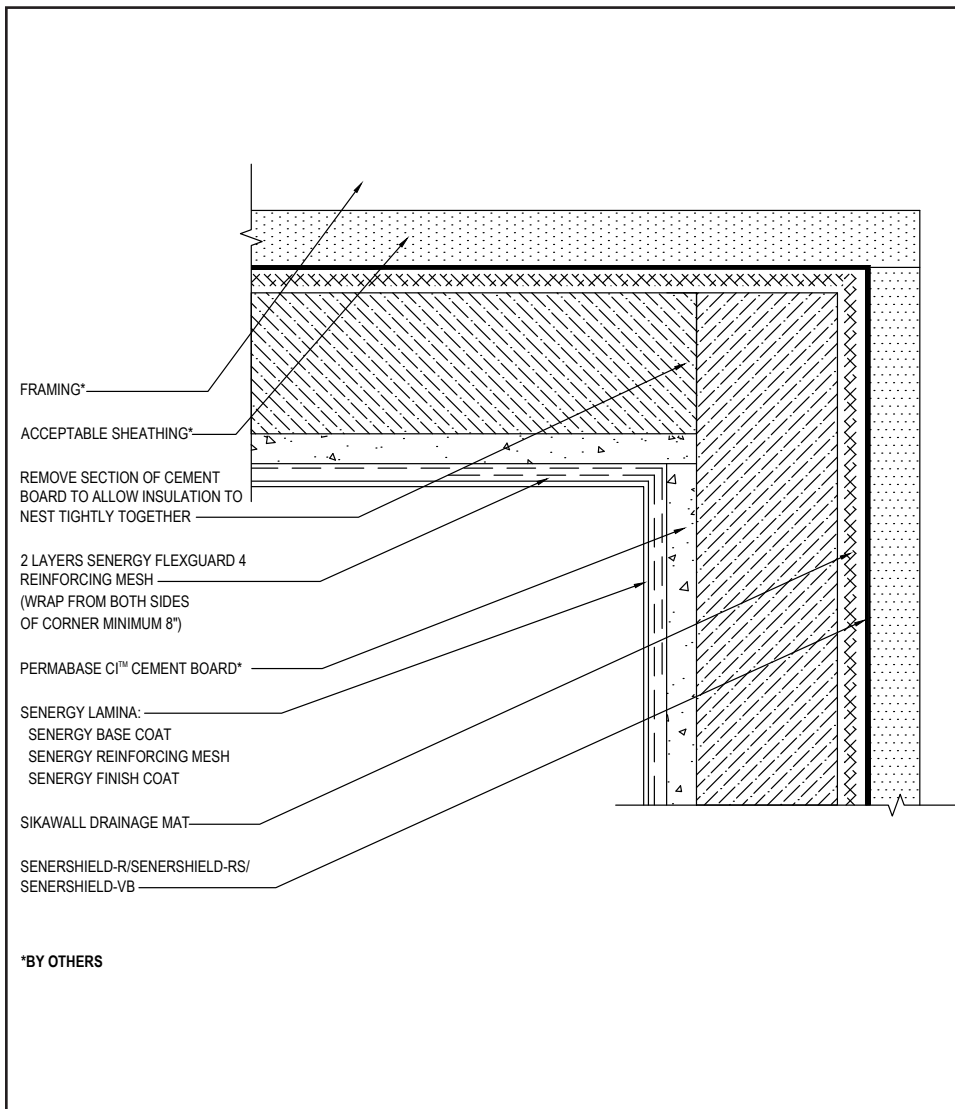
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- Unsatisfactory conditions shall be reported to the General Contractor and corrected before the application of Sika products.

Cement Board Stucco (CBS) 1000 CI

TYPICAL INSIDE CORNER DETAIL



- Ensure Flexguard 4 Reinforcing Mesh is lapped a minimum of 8" (203 mm) around corner on both sides.

23 0524

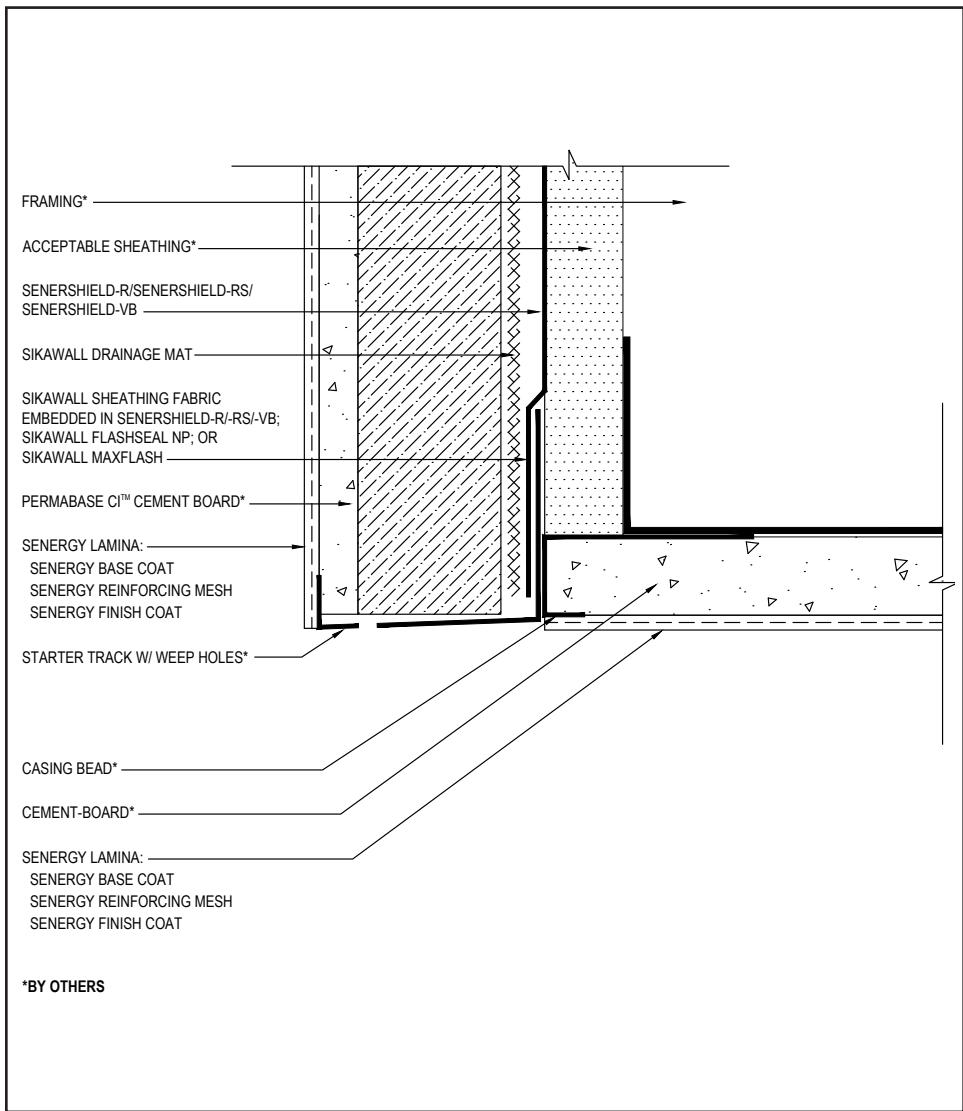
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Cement Board Stucco (CBS) 1000 CI

TYPICAL FASCIA/SOFFIT



- Ensure a means for drainage is provided at system termination at soffit.
- 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.

24 0524

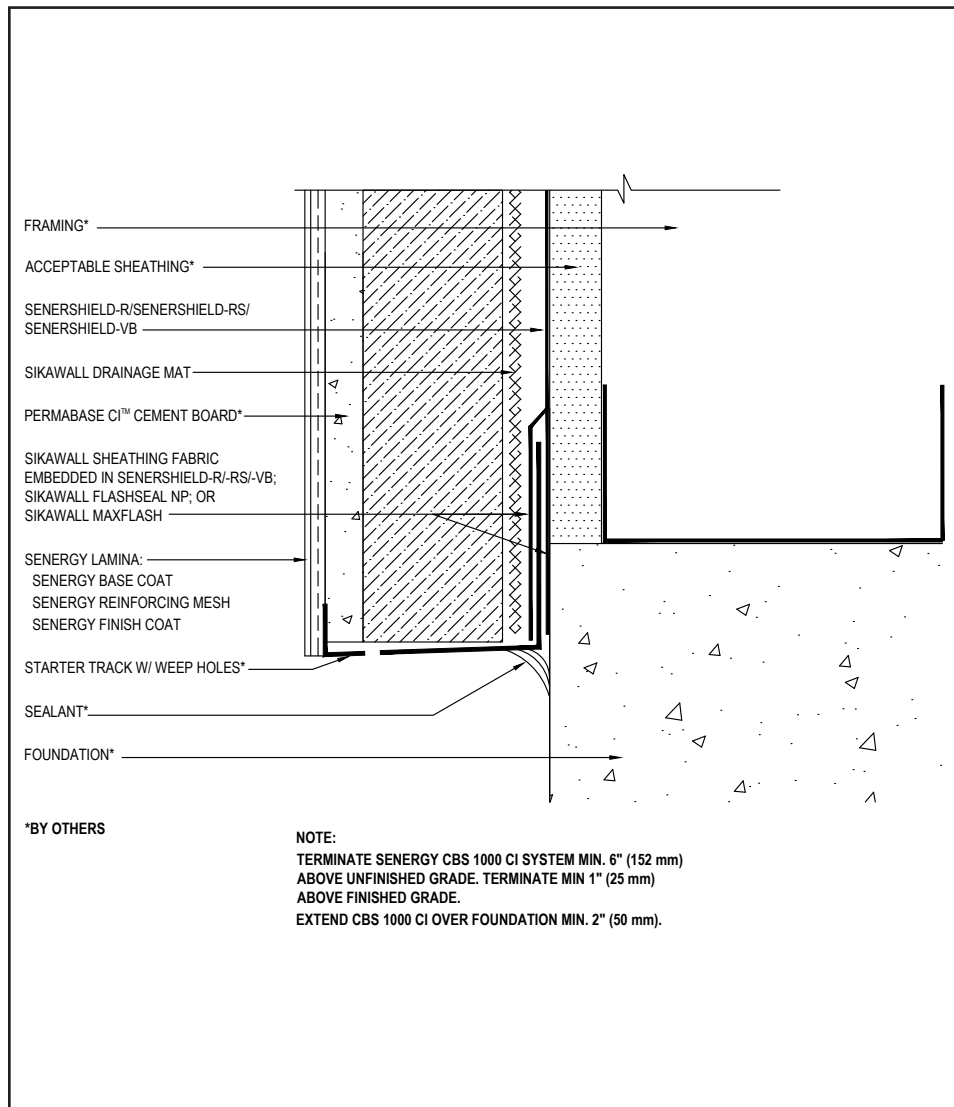
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Cement Board Stucco (CBS) 1000 CI

TYPICAL TERMINATION AT FOUNDATION



- Terminate the CBS 1000 CI system a minimum of 6" (152 mm) above raw earth and 1" (25 mm) above paved surface.
- Provide a minimum 2" (50 mm) overlap at framing/foundation transition.
- Ensure casing/stop bead includes weep holes to facilitate drainage.

25 0524

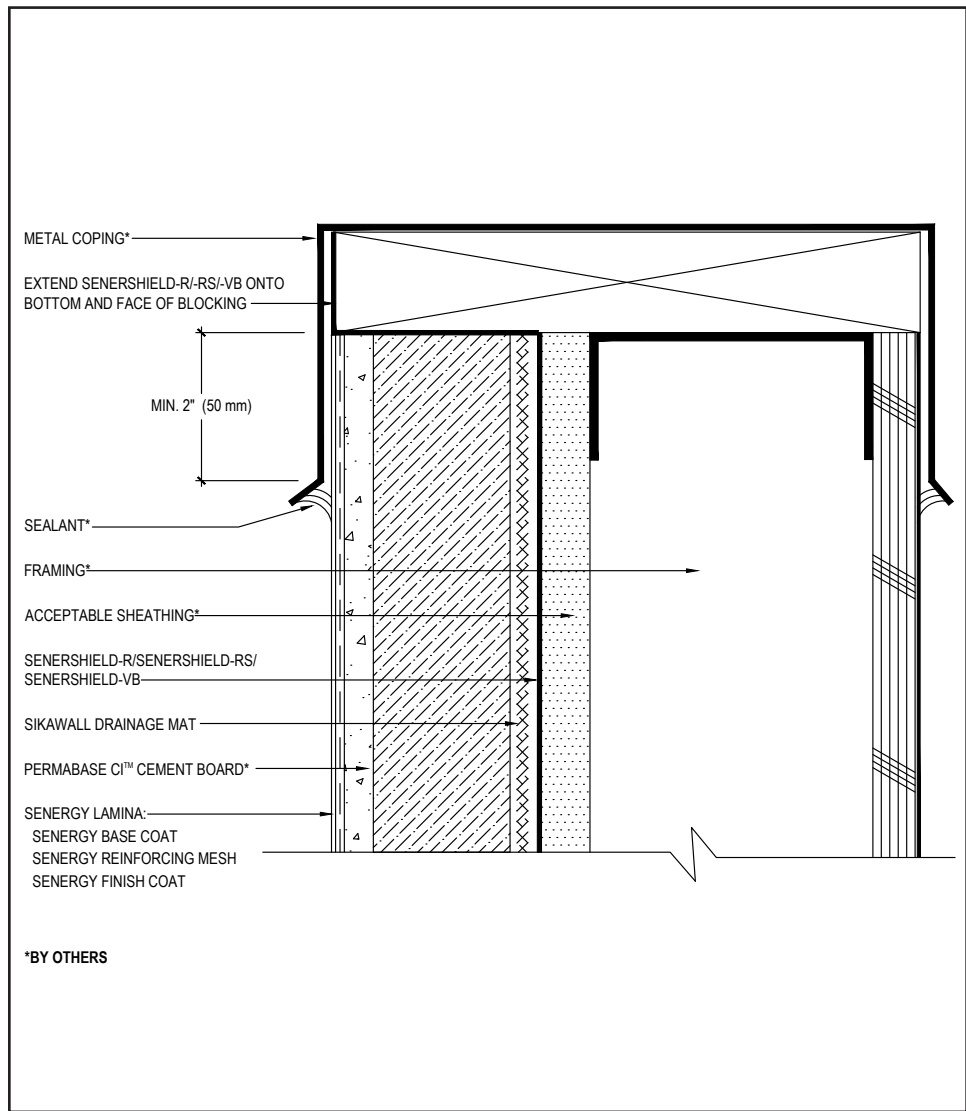
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Cement Board Stucco (CBS) 1000 CI

TYPICAL METAL COPING DETAIL



- Ensure that coping/ flashing extends over the system a minimum of 2" (50 mm).
- Extend the Senergy air/ waterresistive barrier on to the bottom and face of blocking.

26 0524

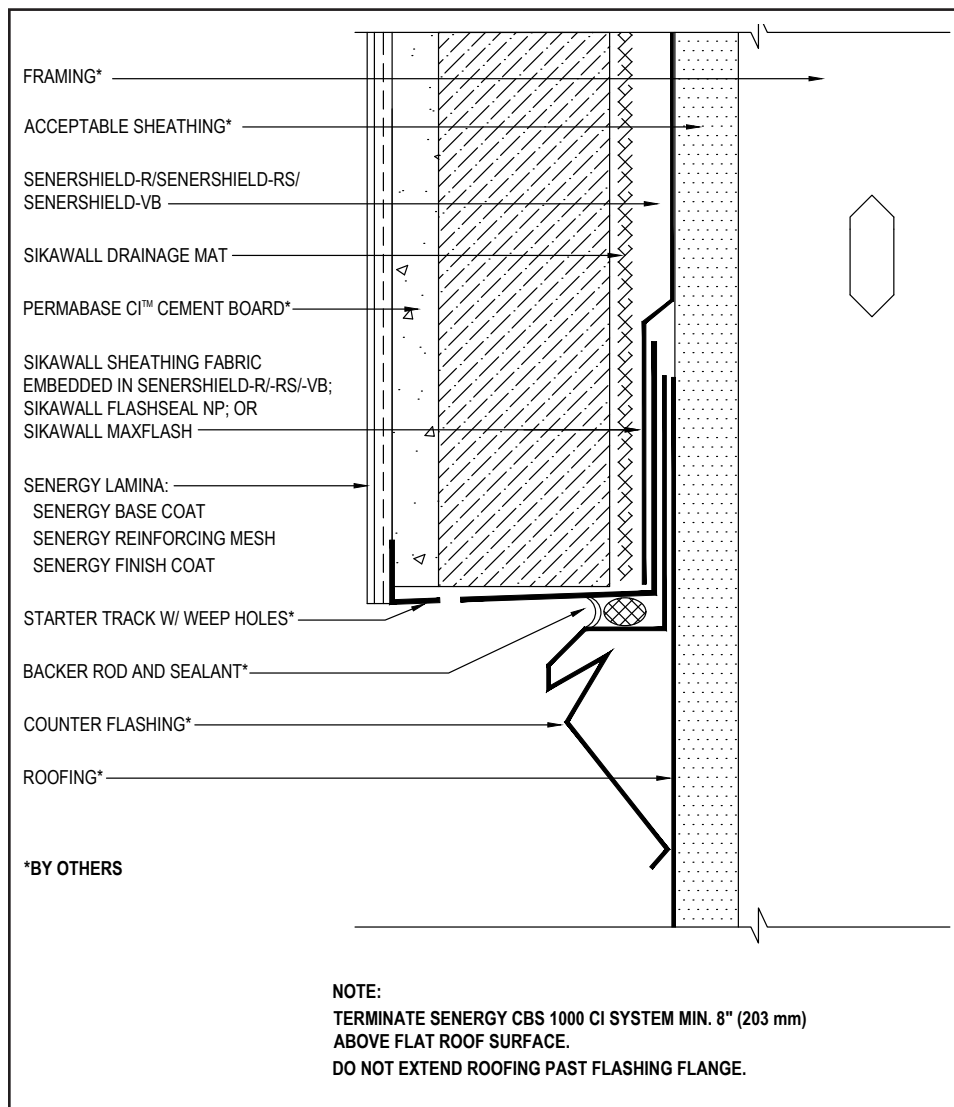
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Cement Board Stucco (CBS) 1000 CI

TYPICAL TERMINATION ABOVE FLAT ROOF



- 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.

27 0524

(*NOTE: BY OTHERS)

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