

Senergy[®]



Senerflex Vulcan NC System

Water Drainage Class PB Exterior Insulation and
Finish System Using Mineral Wool Insulation

Typical Details

BUILDING TRUST



Senerflex Vulcan NC System

Typical Details

Water Drainage Class PB Exterior Insulation and Finish system Using Mineral Wool Insulation

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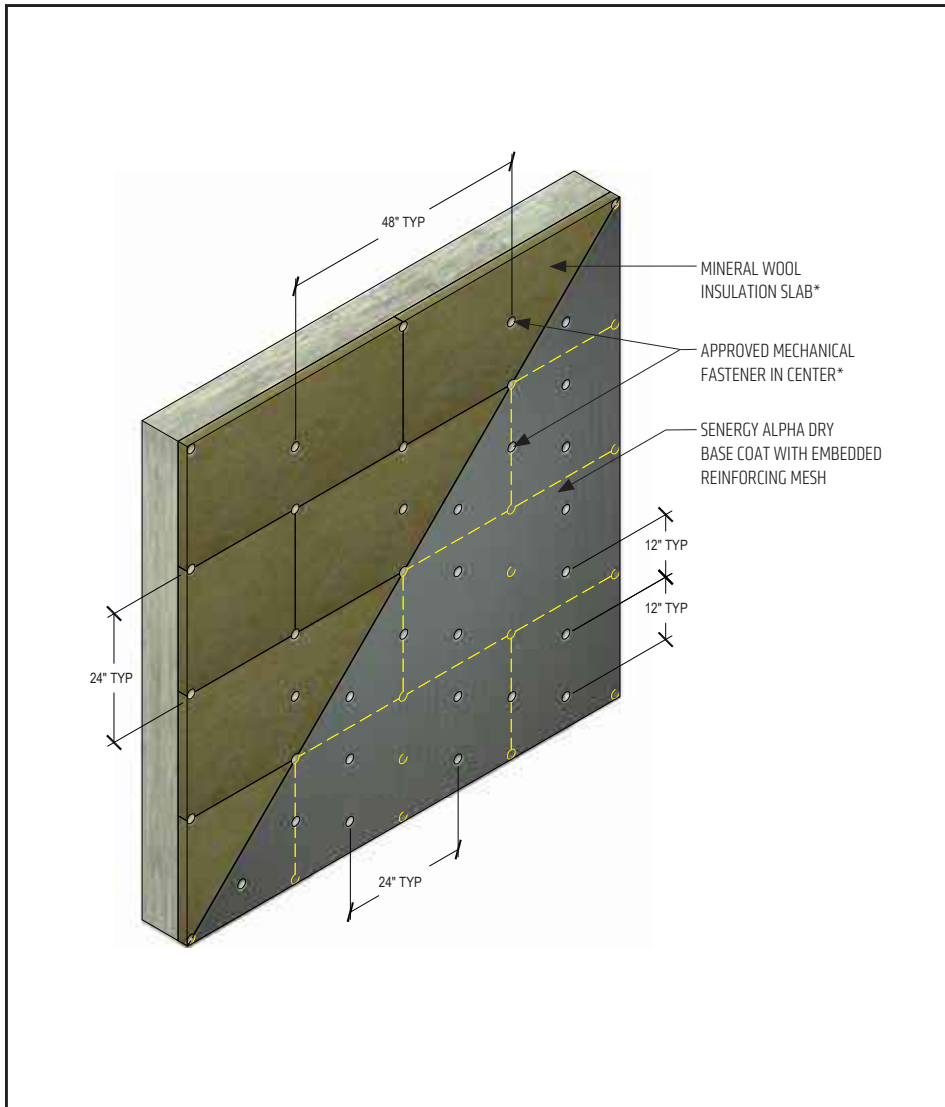
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Notes:

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Senerflex Vulcan NC System

TYPICAL MINERAL WOOL SLAB APPLICATION



- Additional fasteners may be required at corners or other terminations.
- Install fastener plate flush or slightly recessed, maximum 1.6 mm (1/16").
- Fasteners installed on the outside of the reinforced base coat should be spotted prior to application of final base coat.

VNC-01 2407

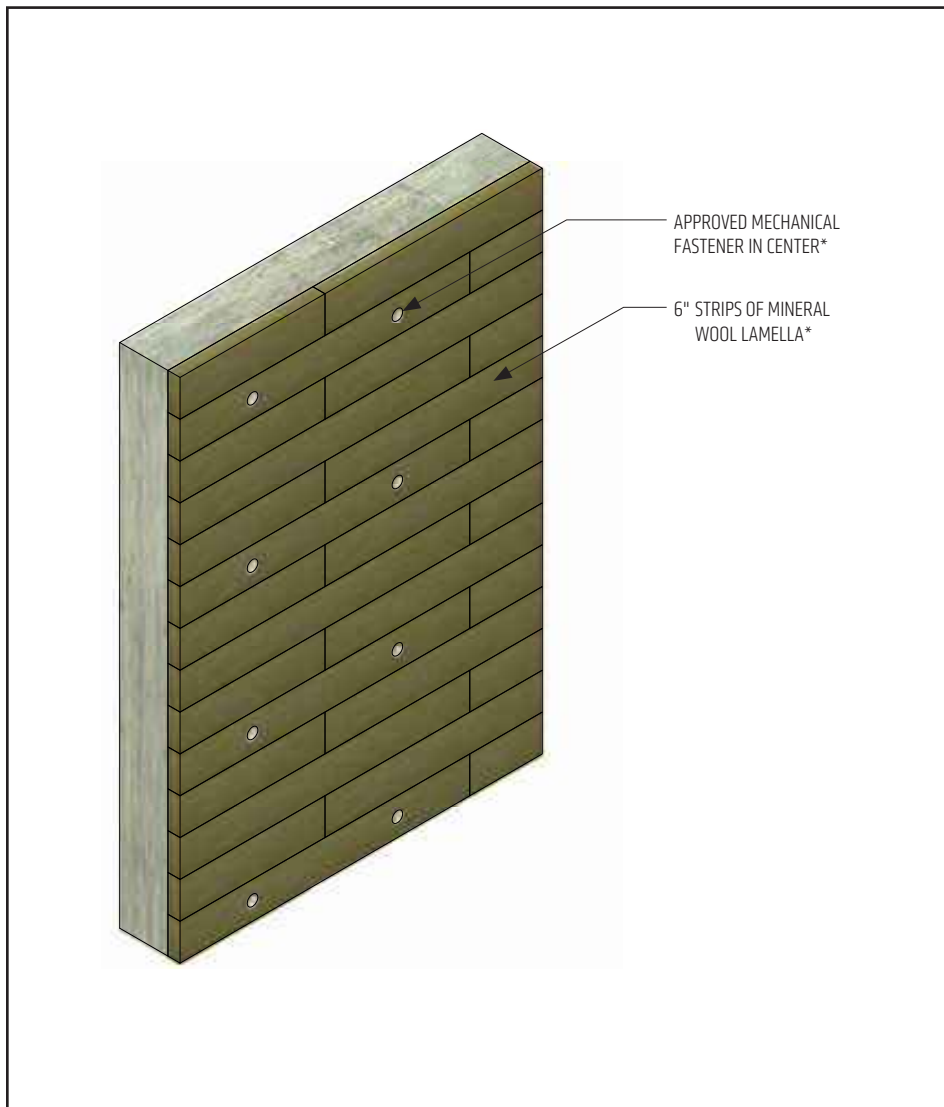
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TYPICAL MINERAL WOOL LAMELLA APPLICATION



- Additional fasteners may be required at corners or other terminations.
- Install fastener plate flush or slightly recessed, maximum 1.6 mm (1/16").
- Lamella fibre orientation shall be perpendicular to the substrate.
- Fasteners are installed in the first course of Lamella and every fourth course thereafter.

VNC-02 2407

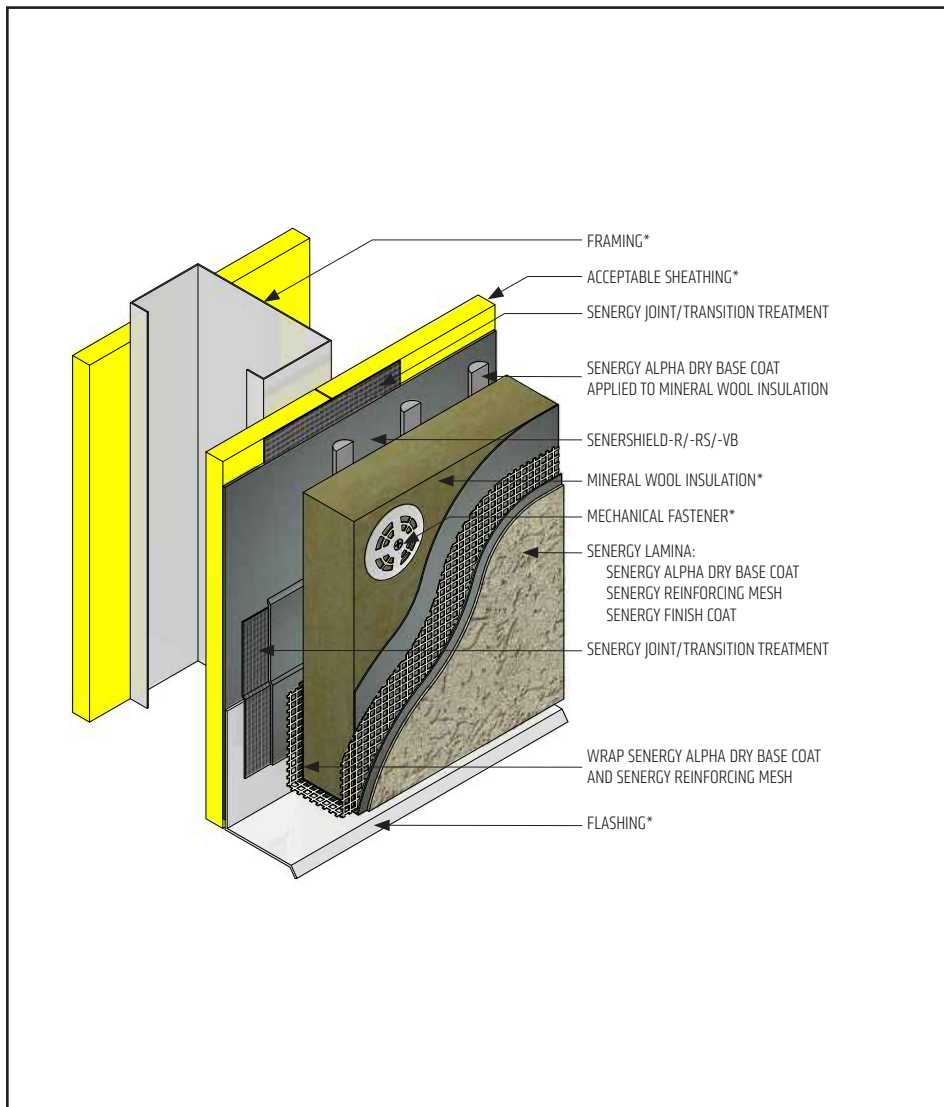
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TYPICAL APPLICATION



- All terminations must be fully encapsulated with mesh reinforced base coat. Pre-backwrapping is recommended at drainage terminations. Extend reinforcing mesh a minimum of 63.5mm (2½") 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

VNC-03 2407

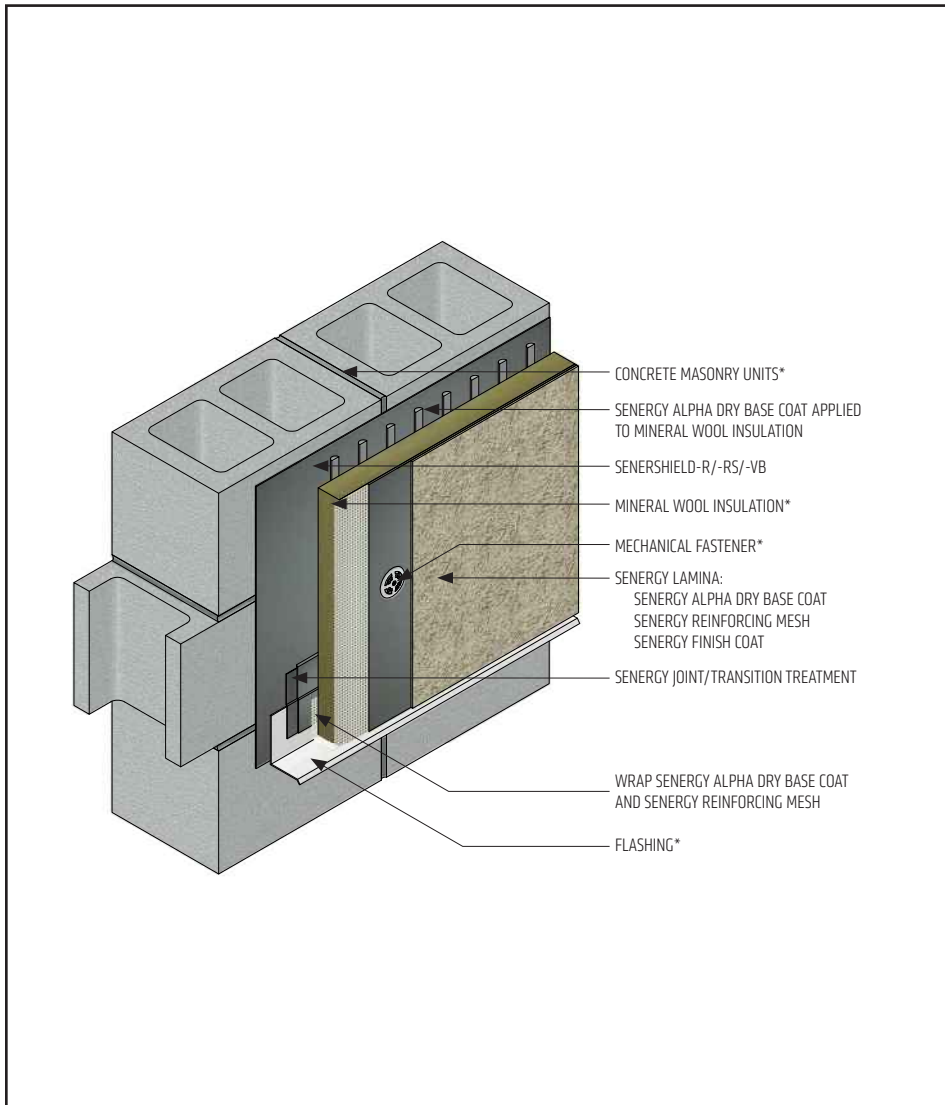
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TYPICAL APPLICATION OVER CMU



- All terminations must be fully encapsulated with mesh reinforced base coat. Pre-backwrapping is recommended at drainage terminations. Extend reinforcing mesh a minimum of 63.5mm (2½") 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

VNC-04 2407

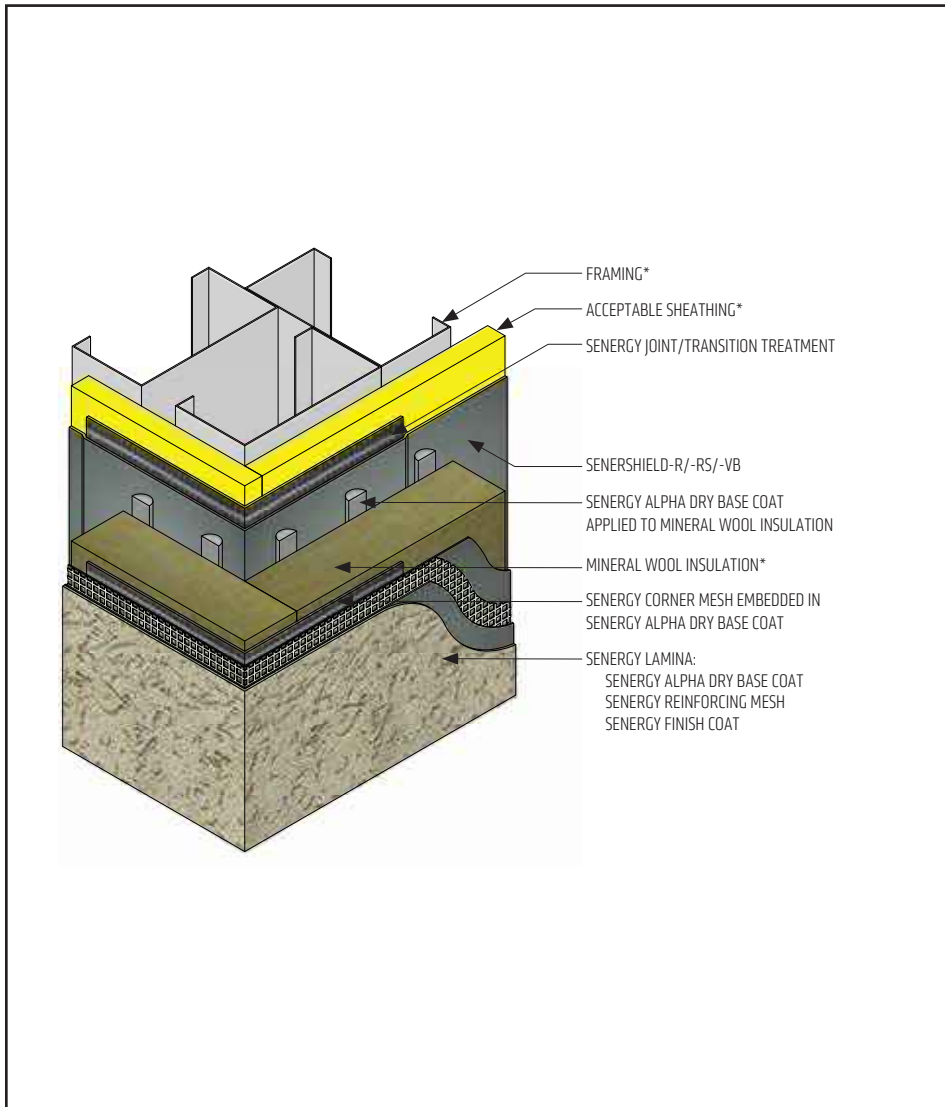
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TYPICAL CORNER MESH APPLICATION WITH FLEXGUARD 4, INTERMEDIATE 6 OR 12



- Ensure Flexguard 4, SikaWall Intermediate 6 or 12 reinforcing mesh is lapped a minimum of 203 mm (8") 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 203 mm (8") around corner from both sides (creating double layer of mesh at corner).
- Senergy Joint/Transition Treatment Options: SikaWall MaxFlash, SikaWall Sheathing Fabric embedded in Senershield-R/-RS/-VB or SikaWall Flash Seal NP

VNC-05 2407

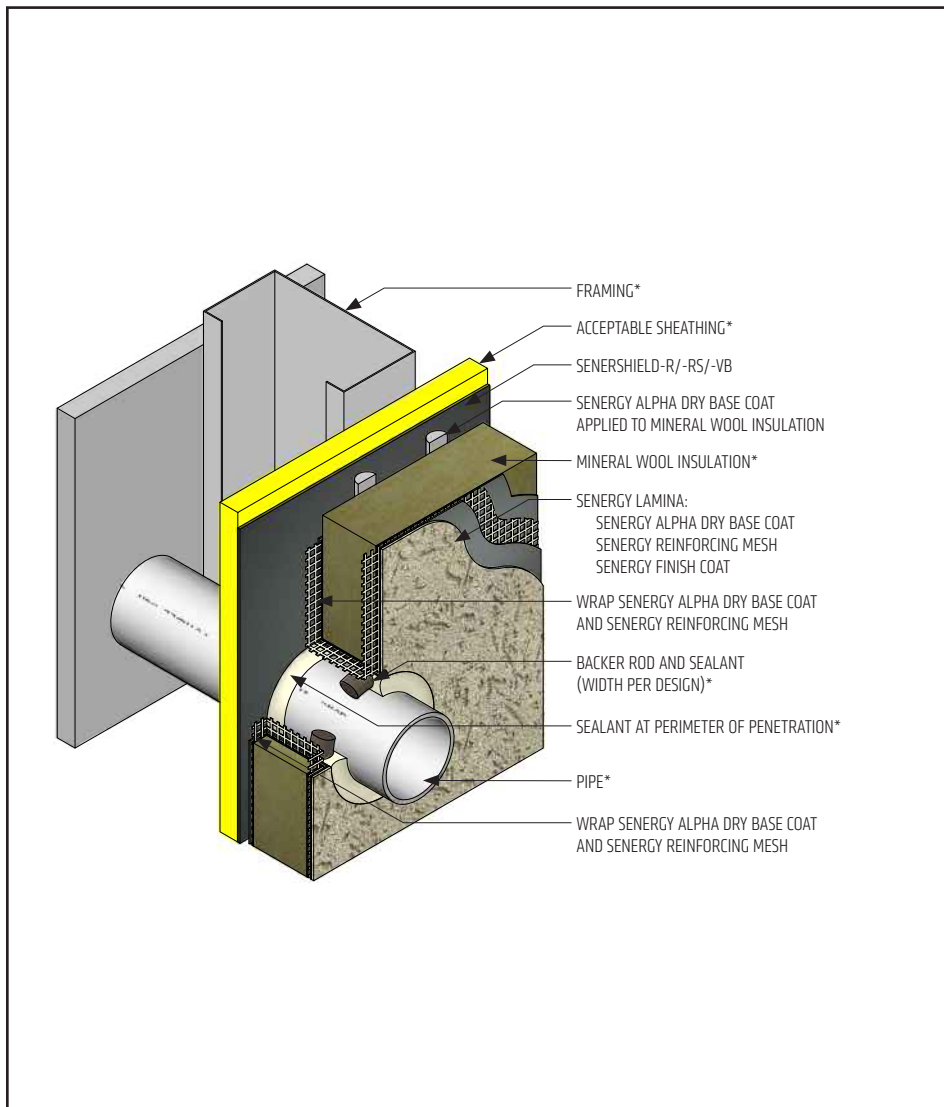
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TYPICAL PIPE PENETRATION



- All terminations must be fully encapsulated with mesh reinforced basecoat.
- Ensure all penetrations into the system are properly sealed.
- Provide continuous seal around perimeter of penetration prior to mineral wool insulation application.
- Do not apply finish to areas that will receive sealant.

VNC-06 2407

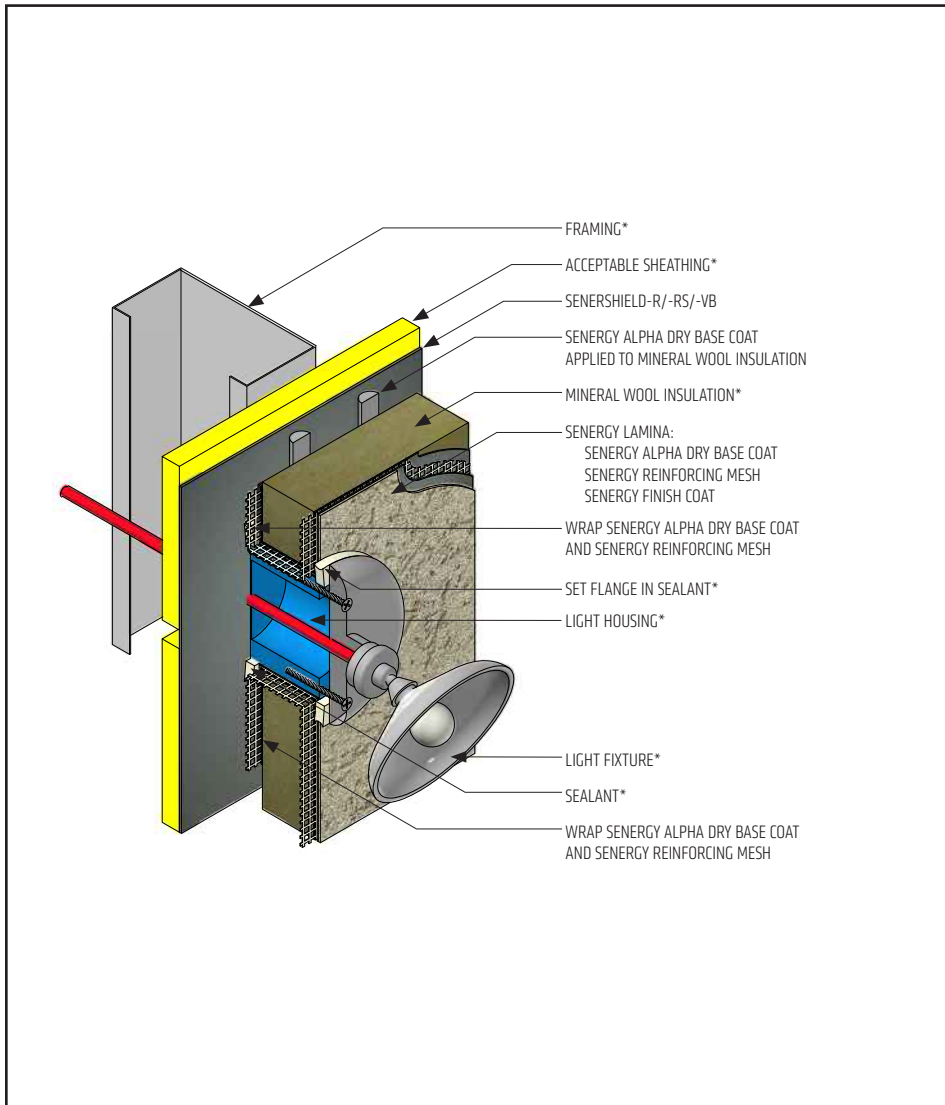
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TYPICAL LIGHT FIXTURE



- All terminations must be fully encapsulated with mesh reinforced basecoat.
- Ensure all penetrations into the system are properly sealed.
- Provide continuous seal around perimeter of penetration prior to mineral wool insulation application.
- Provide continuous seal around perimeter of penetration prior to mineral wool insulation application.

VNC-07 2407

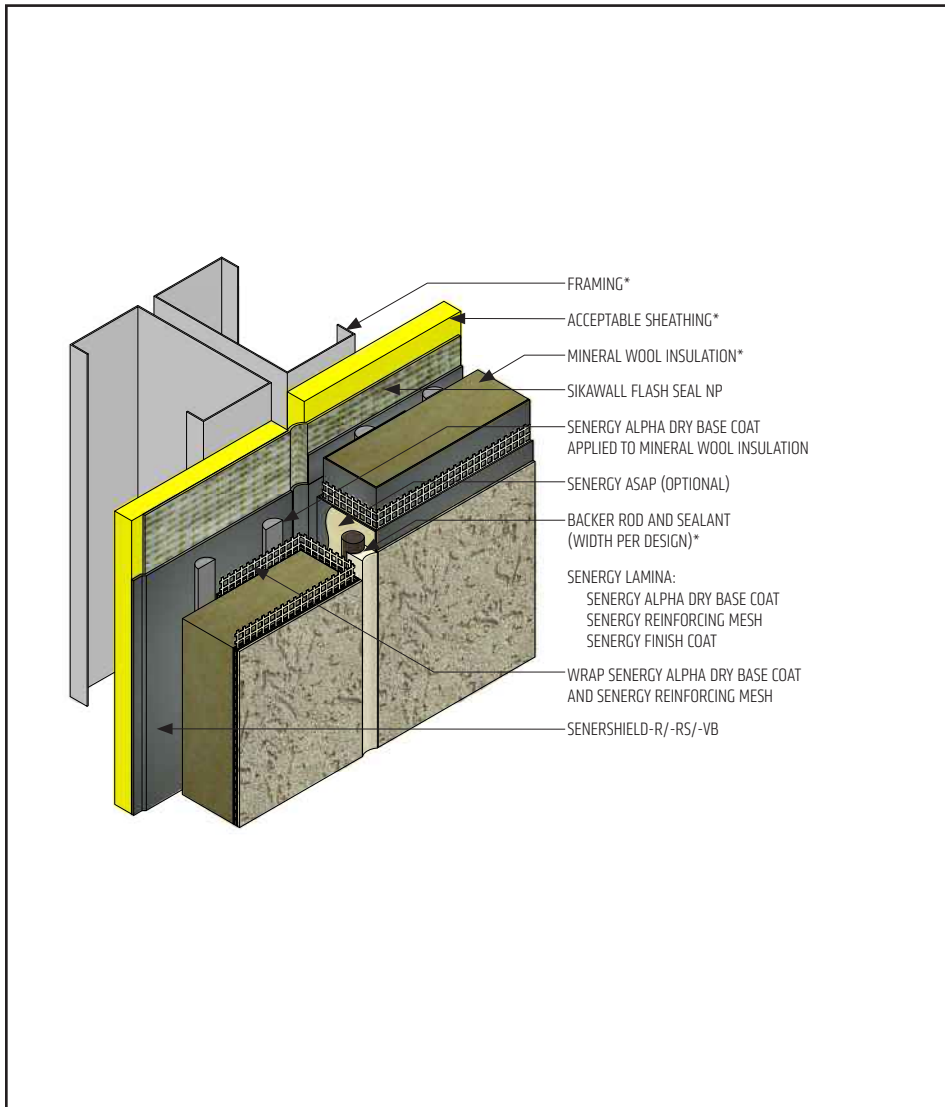
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TYPICAL EXPANSION JOINT



VNC-08 2407

(*NOTE: BY OTHERS)

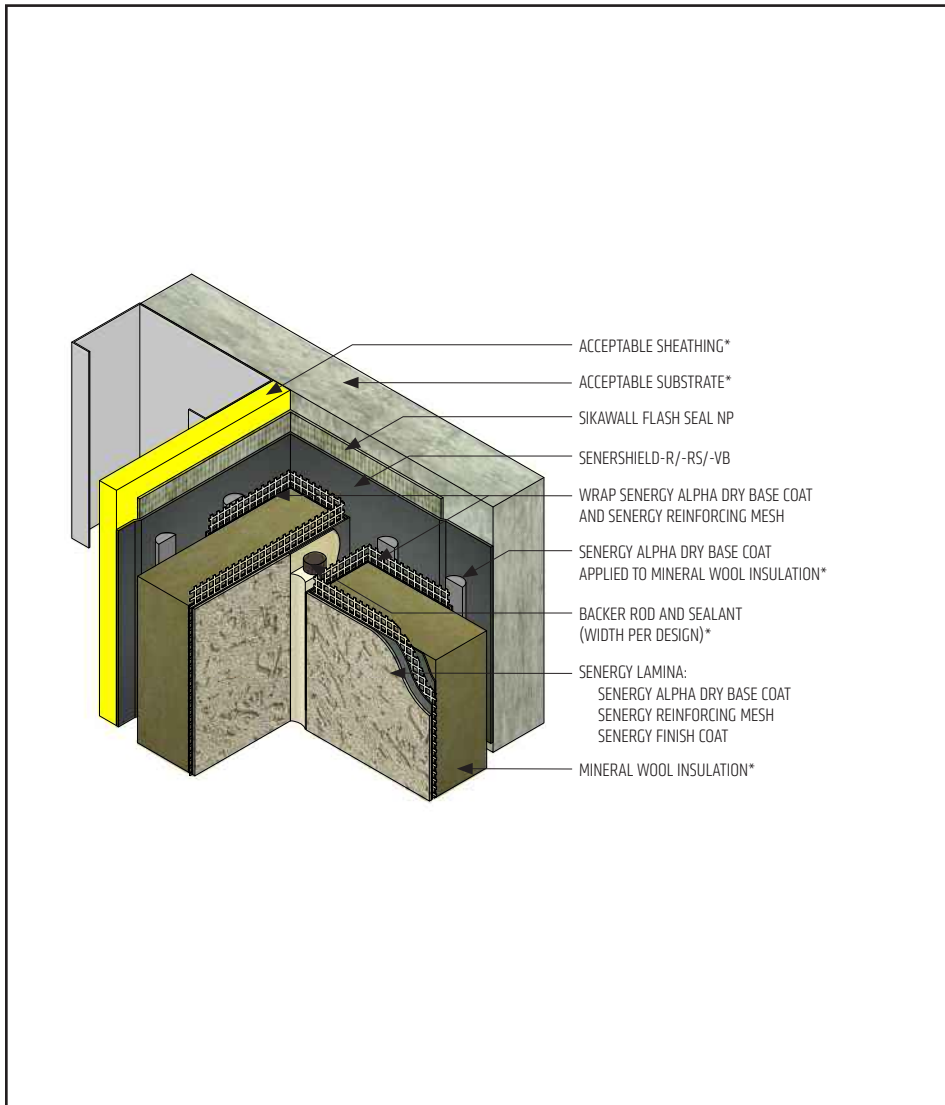
- All terminations must be fully encapsulated with mesh reinforced base coat.
- Do not apply finish to areas that will receive sealant.
- Ensure drainage plane is continuous and unobstructed at expansion joint.
- Typical locations for system expansion joints are at building expansion joints, at prefabricated 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.

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Senerflex Vulcan NC System

TYPICAL EXPANSION JOINT AT CHANGE IN SUBSTRATE



- All terminations must be fully encapsulated with mesh reinforced base coat.
- 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.

VNC-09 2407

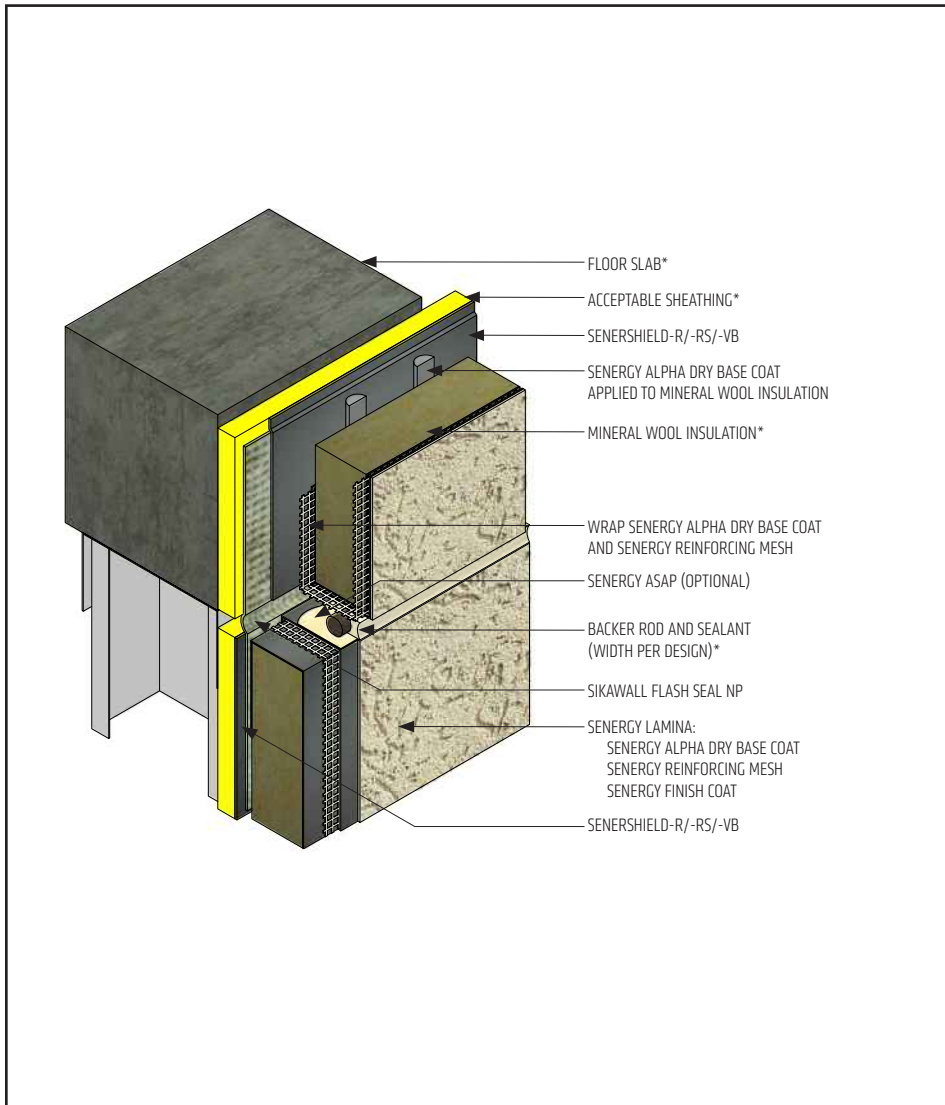
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TYPICAL EXPANSION JOINT AT FLOORLINE



VNC-10 2407

(*NOTE: BY OTHERS)

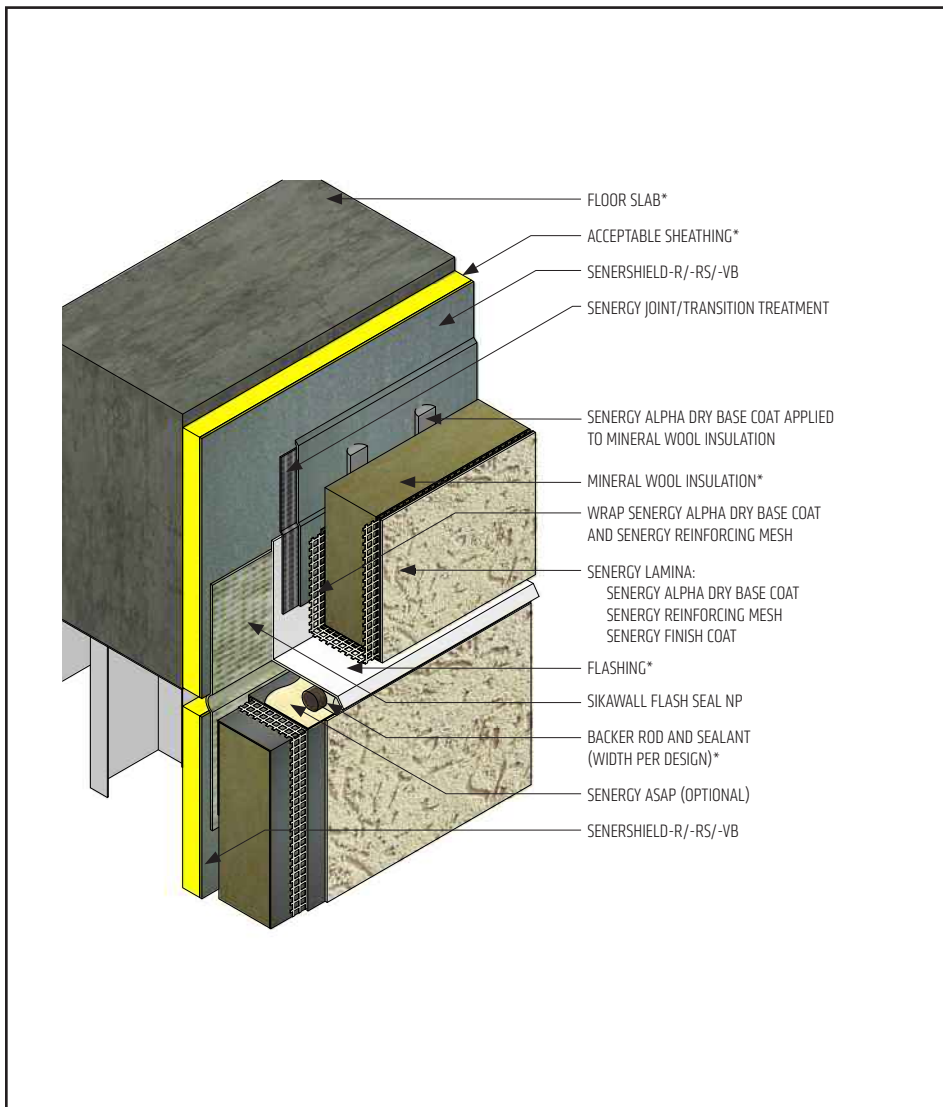
- All terminations must be fully encapsulated with mesh reinforced base coat.
- Do not apply finish to areas that will receive sealant.
- Ensure drainage plane is continuous and unobstructed at expansion joint.
- Typical locations for system expansion joints are at building expansion joints, at prefabricated 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.
- It is recommended that a means for drainage is provided at every third floor (See Detail VNC-11).
- Pre-backwrapping is recommended at drainage terminations. Extend reinforcing mesh a minimum of 2½" onto back of insulation board.
- Provide sufficient slack in SikaWall Flash Seal NP at expansion joint to allow for movement.

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Senerflex Vulcan NC System

TYPICAL DRAINAGE AT FLOORLINE



VNC-11 2407

(*NOTE: BY OTHERS)

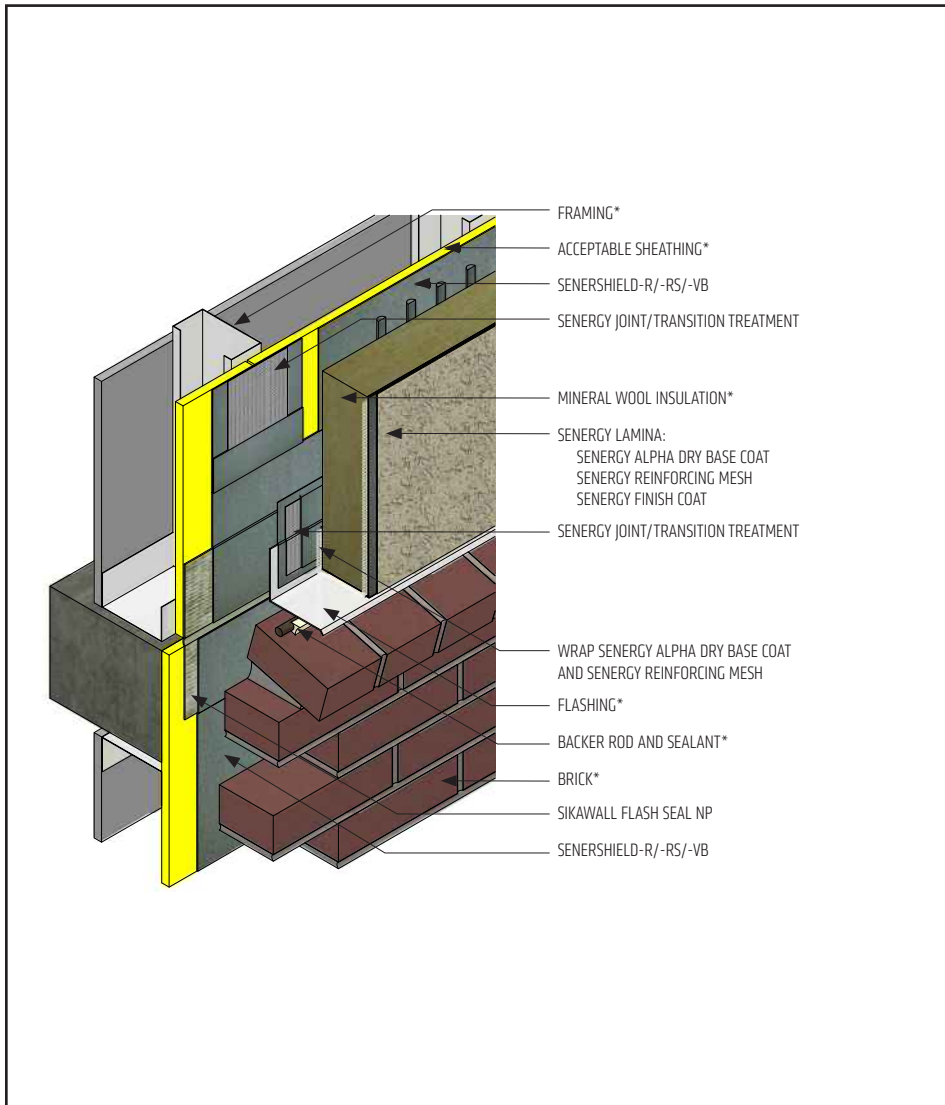
- All terminations must be fully encapsulated with mesh reinforced base coat.
- Do not apply finish to areas that will receive sealant.
- Typical locations for system expansion joints are at building expansion joints, at prefabricated panel joints, floor lines of wood frame construction or where slip 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.
- Senergy Joint / Transition Treatment Options: SikaWall MaxFlash, SikaWall Sheathing Fabric embedded in Senershield-R/-RS/-VB or SikaWall Flash Seal NP
- Provide sufficient slack in SikaWall Flash Seal NP at expansion joint to allow for movement.

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TYPICAL EIFS ABUTMENT TO BRICK WITH DRAINAGE AT FLOORLINE



- All terminations must be fully encapsulated with mesh reinforced base coat. Pre-backwrapping is recommended at drainage terminations. Extend reinforcing mesh a minimum of 63.5mm (2½") onto back of insulation board.
- Ensure a means for drainage is provided at system termination at brick.
- Brick ties not shown for clarity.
- Brick must be installed per local code requirements.
- Senergy Joint/Transition Treatment Options: SikaWall MaxFlash, SikaWall Sheathing Fabric embedded in Senershield-R/-RS/-VB or SikaWall Flash Seal NP
- Provide sufficient slack in SikaWall Flash Seal NP at expansion joint to allow for movement.

VNC-12 2407

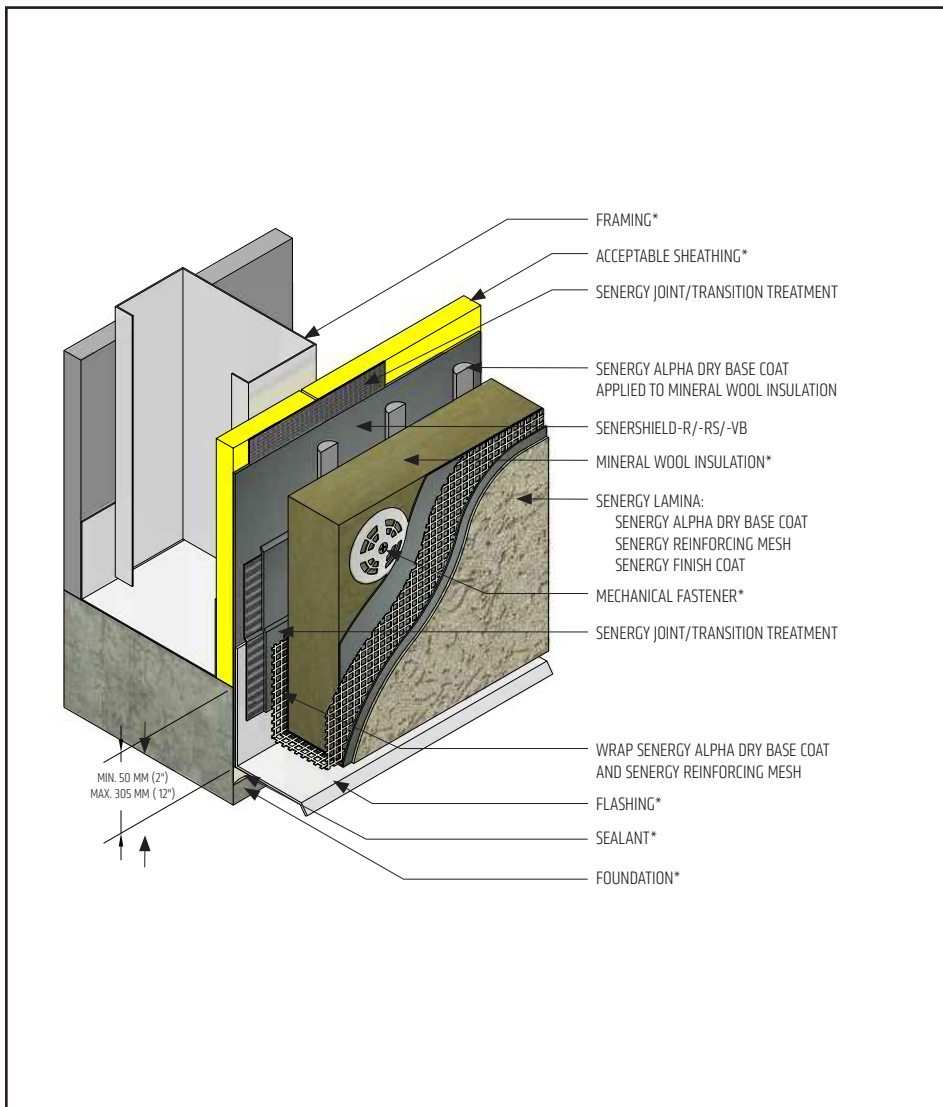
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Senerflex Vulcan NC System

TYPICAL TERMINATION AT FOUNDATION



VNC-13 2407

(*NOTE: BY OTHERS)

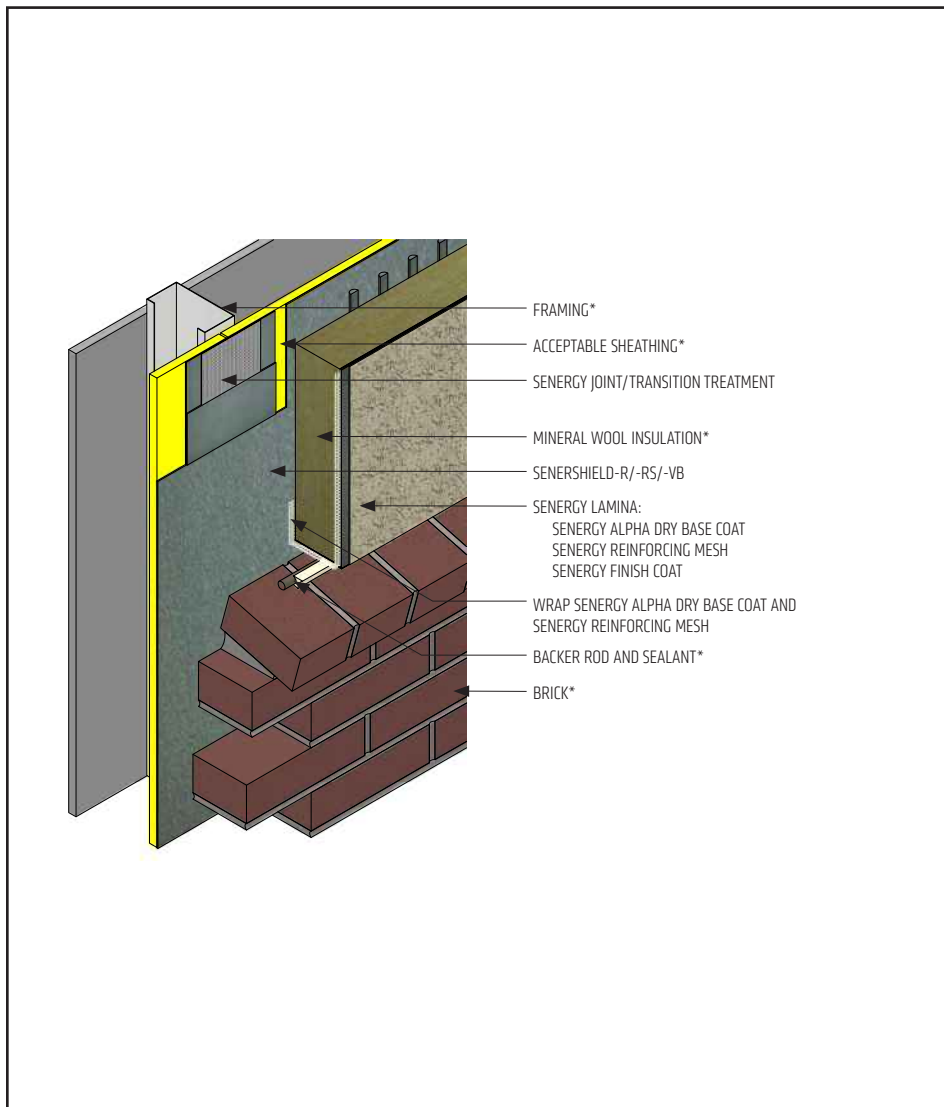
- All terminations must be fully encapsulated with mesh reinforced base coat. Pre-backwrapping is recommended at drainage terminations. Extend reinforcing mesh a minimum of 63.5mm (2½") onto back of insulation board.
- Ensure a means for drainage is provided at system termination at foundation.
- Terminate system a minimum of 152mm (6") above grade.
- Extend system a minimum of 50 mm (2") and a maximum of 305 mm (12") at the sole plate foundation transition.
- Senergy Joint/Transition Treatment Options: SikaWall MaxFlash, SikaWall Sheathing Fabric embedded in Senershield-R/-RS/-VB or SikaWall Flash Seal NP
- Provide MaxFlash, Sheathing Fabric embedded in Senershield-R/-RS/-VB or SikaWall Flash Seal NP at transition from sheathing to concrete (behind flashing)

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TYPICAL EIFS ABUTMENT TO BRICK WITH CONTINUOUS DRAINAGE



- All terminations must be fully encapsulated with mesh reinforced base coat. Pre-backwrapping is recommended at drainage terminations. Extend reinforcing mesh a minimum of 63.5mm (2½") onto back of insulation board.
- Ensure a continuous drainage plane is maintained at system abutment to brick.
- Brick ties not shown for clarity.
- Brick must be installed per local code requirements.
- Senergy Joint/Transition Treatment Options: SikaWall MaxFlash, SikaWall Sheathing Fabric embedded in Senershield-R/-RS/-VB or SikaWall Flash Seal NP

VNC-14 2407

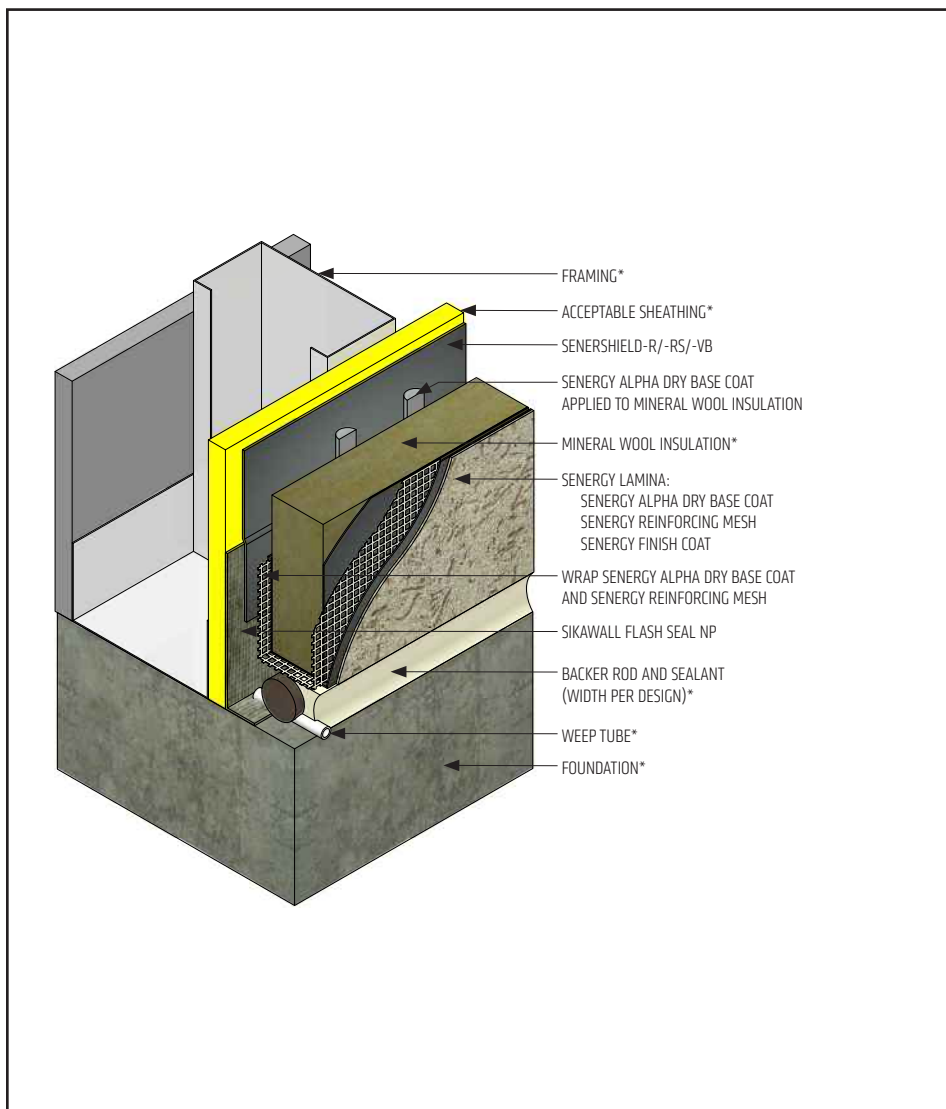
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Senerflex Vulcan NC System

TYPICAL TERMINATION AT FOUNDATION (FLUSH)



- All terminations must be fully encapsulated with mesh reinforced base coat. Pre-backwrapping is recommended at drainage terminations. Extend reinforcing mesh a minimum of 63.5mm (2½") onto back of insulation board.
- Ensure a means for drainage is provided at system termination at foundation.
- Place weep tubes a maximum of 610 mm (24") on center.
- Do not apply finish to areas that will receive sealant.

VNC-15 2407

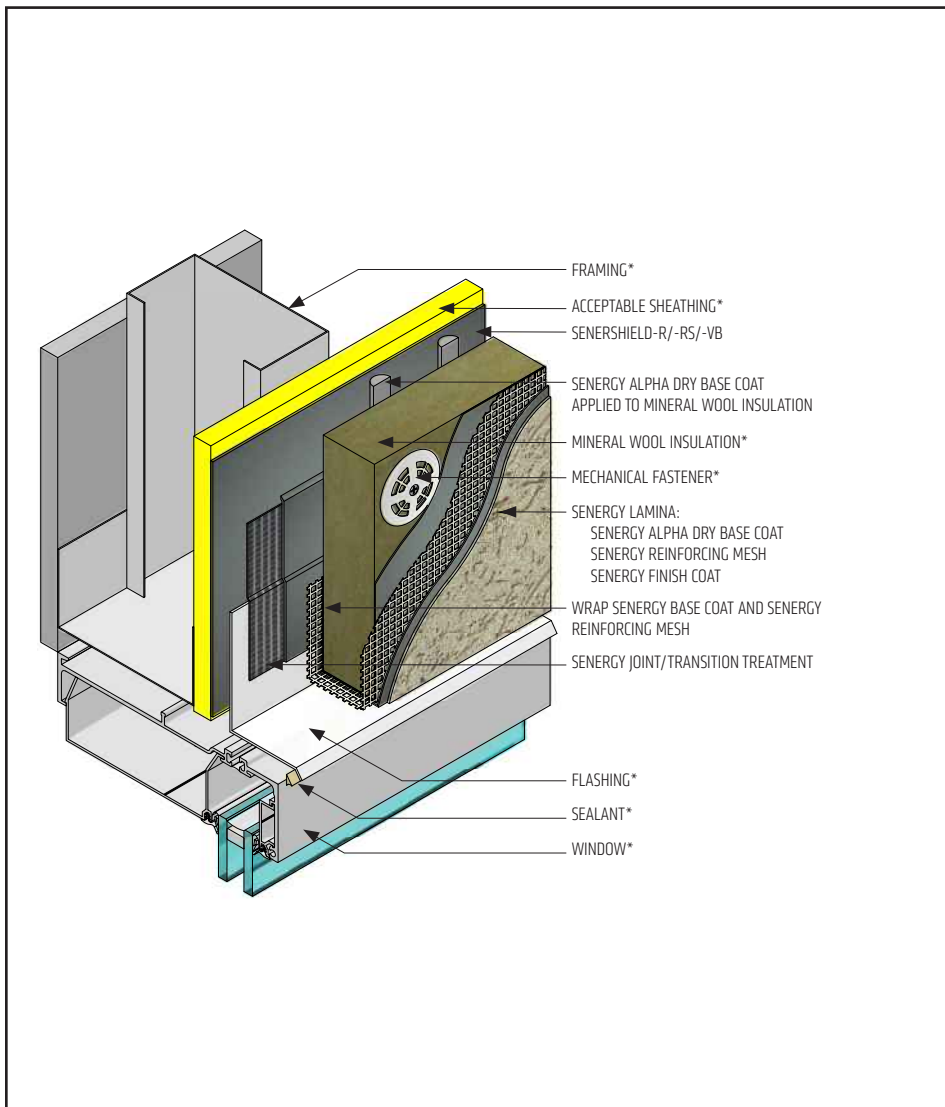
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Senerflex Vulcan NC System

TYPICAL WINDOW HEAD (FLUSH)



VNC-16 2407

(*NOTE: BY OTHERS)

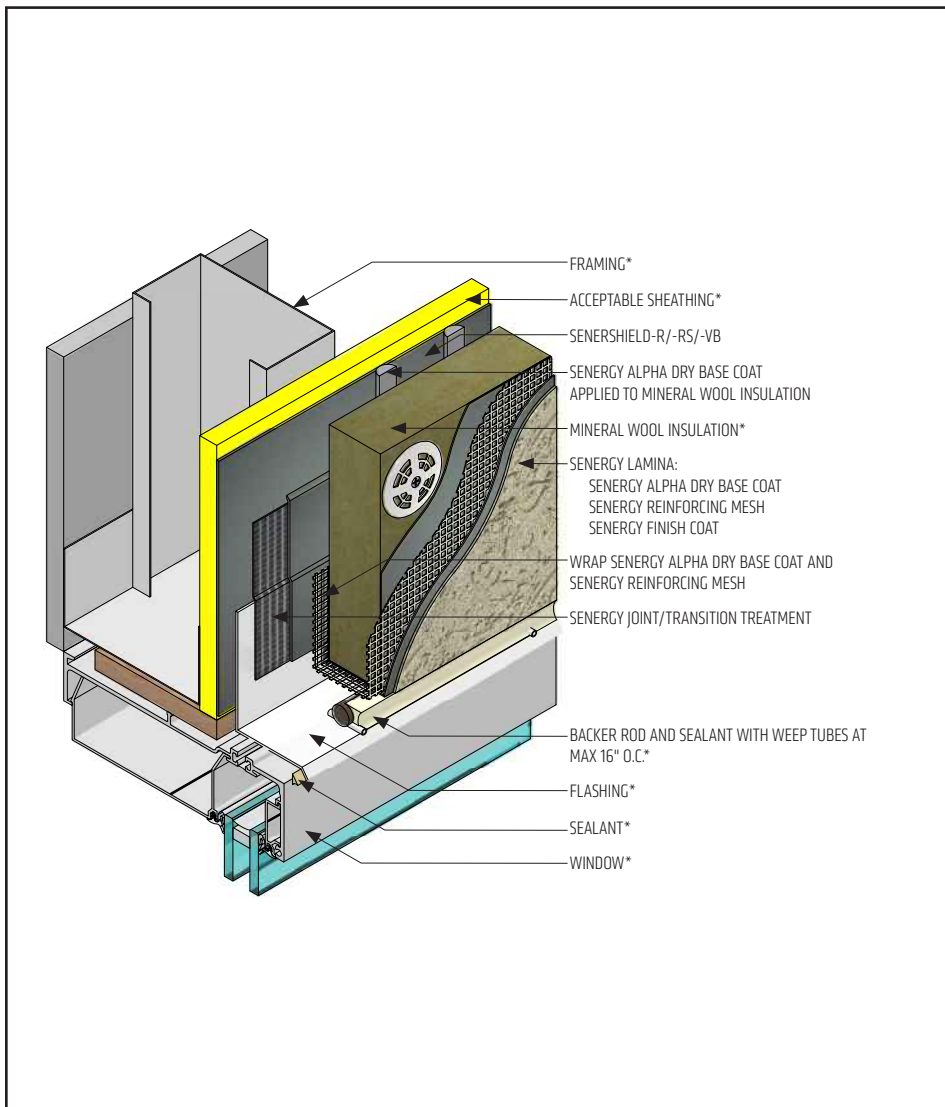
- All terminations must be fully encapsulated with mesh reinforced base coat. Pre-backwrapping is recommended at drainage terminations. Extend reinforcing mesh a minimum of 63.5mm (2½") onto back of insulation board.
- Ensure a means for drainage is provided at system termination at window head.
- Provide end-dams at flashing terminations.
- Consult window and sealant manufacturers to verify window installation, detailing and to ensure no water leakage into the wall assembly.
- Senergy Joint/Transition Treatment Options: SikaWall MaxFlash, SikaWall Sheathing Fabric embedded in Senershield-R/-RS/-VB or SikaWall Flash Seal NP
- Ensure Senergy air/water-resistive barrier is properly applied into the rough openings in accordance with application guidelines and code requirements prior to mineral wool insulation application.

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Senerflex Vulcan NC System

TYPICAL WINDOW HEAD (FLUSH) WITH WEEP TUBES



- All terminations must be fully encapsulated with mesh reinforced base coat. Pre-backwrapping is recommended at drainage terminations. Extend reinforcing mesh a minimum of 63.5mm (2½") onto back of insulation board.
- Ensure a means for drainage is provided at system termination at window head.
- Provide end-dams at flashing terminations.
- Consult window and sealant manufacturers to verify window installation, detailing and to ensure no water leakage into the wall assembly
- Do not apply finish to areas that will receive sealant.
- Senergy Joint/Transition Treatment Options: SikaWall MaxFlash, SikaWall Sheathing Fabric embedded in Senershield-R/-RS/-VB or SikaWall Flash Seal NP.
- Ensure Senershield air/water-resistive barrier is properly applied into the rough openings in accordance with application guidelines and code requirements prior to mineral wool insulation application.

VNC-17 2407

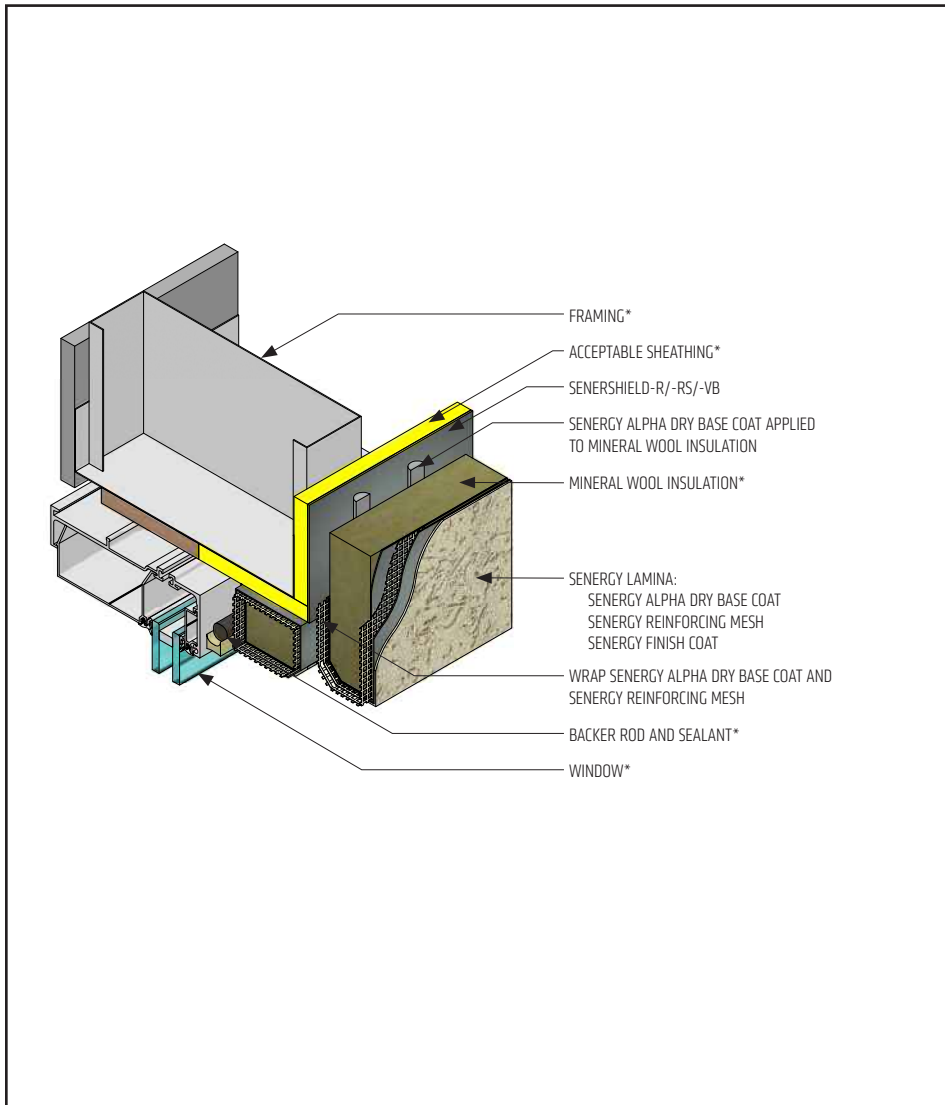
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TYPICAL WINDOW HEAD (RECESSED)



- All terminations must be fully encapsulated with mesh reinforced base coat.
- Do not apply finish to areas that will receive sealant.
- Ensure a means for drainage is provided at system termination at soffit/fascia transition.
- 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).
- Consult window and sealant manufacturers to verify window installation, detailing and to ensure no water leakage into the wall assembly.
- Ensure Senershield air/water-resistive barrier is properly applied into the rough openings in accordance with application guidelines and code requirements prior to mineral wool insulation application.
- Do not apply finish in areas that will receive sealant.

VNC-18 2407

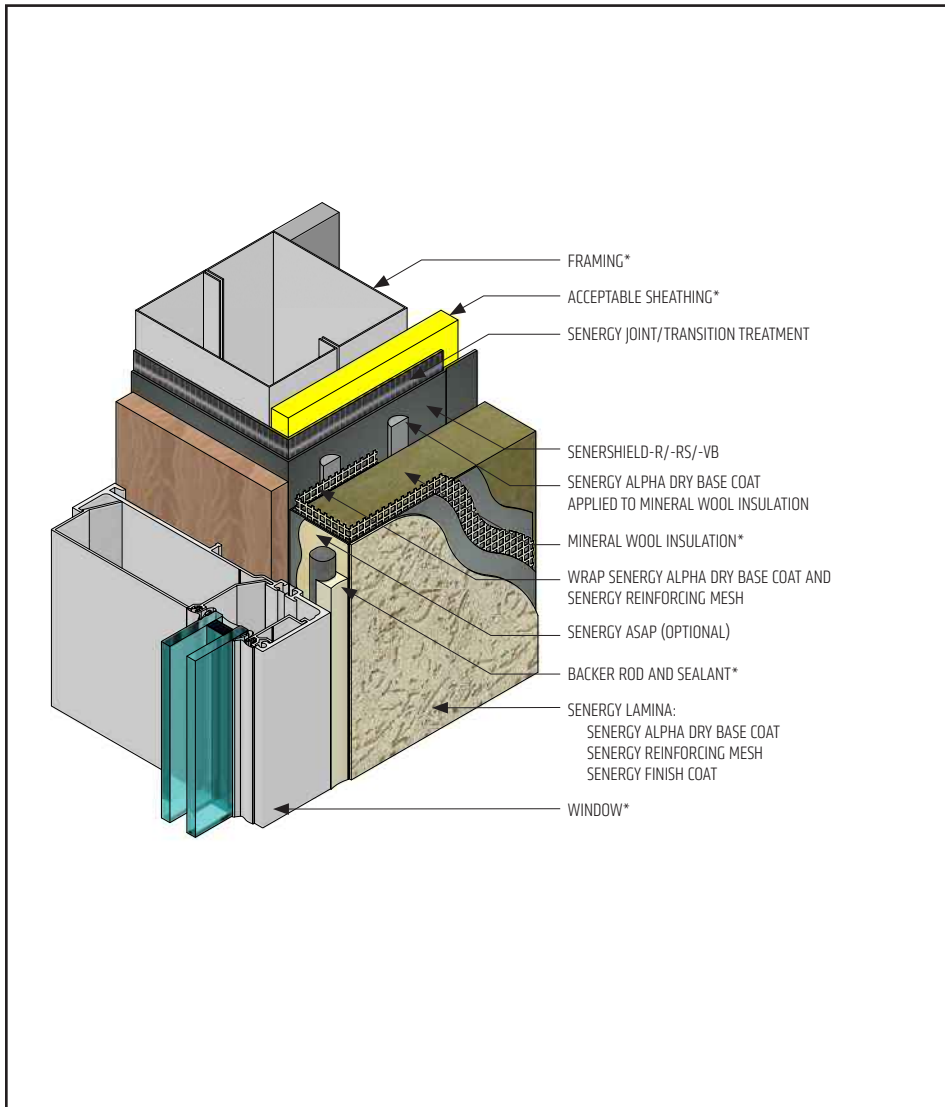
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TYPICAL WINDOW JAMB (FLUSH)



- All terminations must be fully encapsulated with mesh reinforced base coat.
- Ensure Senershield air/water-resistive barrier is properly applied into the rough openings in accordance with application guidelines and code requirements prior to mineral wool insulation application.
- 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).
- Consult window and sealant manufacturers to verify window installation, detailing and to ensure no water leakage into the wall assembly.
- Senergy Joint/Transition Treatment Options: SikaWall MaxFlash, SikaWall Sheathing Fabric embedded in Senershield-R/-RS/-VB or SikaWall Flash Seal NP

VNC-19 2407

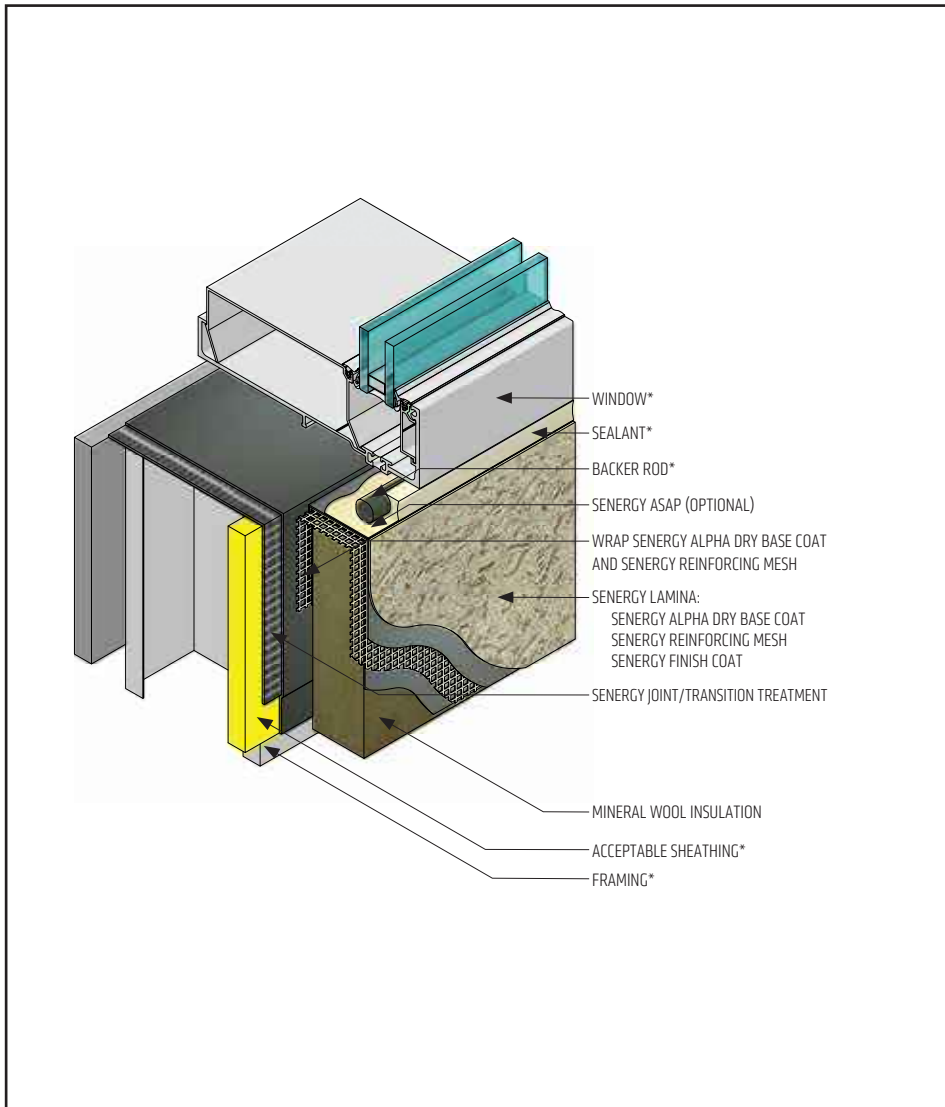
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TYPICAL WINDOW SILL (FLUSH)



- All terminations must be fully encapsulated with mesh reinforced base coat.
- Ensure Senershield air/water-resistive barrier is properly applied into the rough openings in accordance with application guidelines and code requirements prior to mineral wool insulation application.
- 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).
- Consult window and sealant manufacturers to verify window installation, detailing and to ensure no water leakage into the wall assembly.
- Senergy Joint/Transition Treatment Options: SikaWall MaxFlash, SikaWall Sheathing Fabric embedded in Senershield-R/-RS/-VB or SikaWall Flash Seal NP

VNC-20 2407

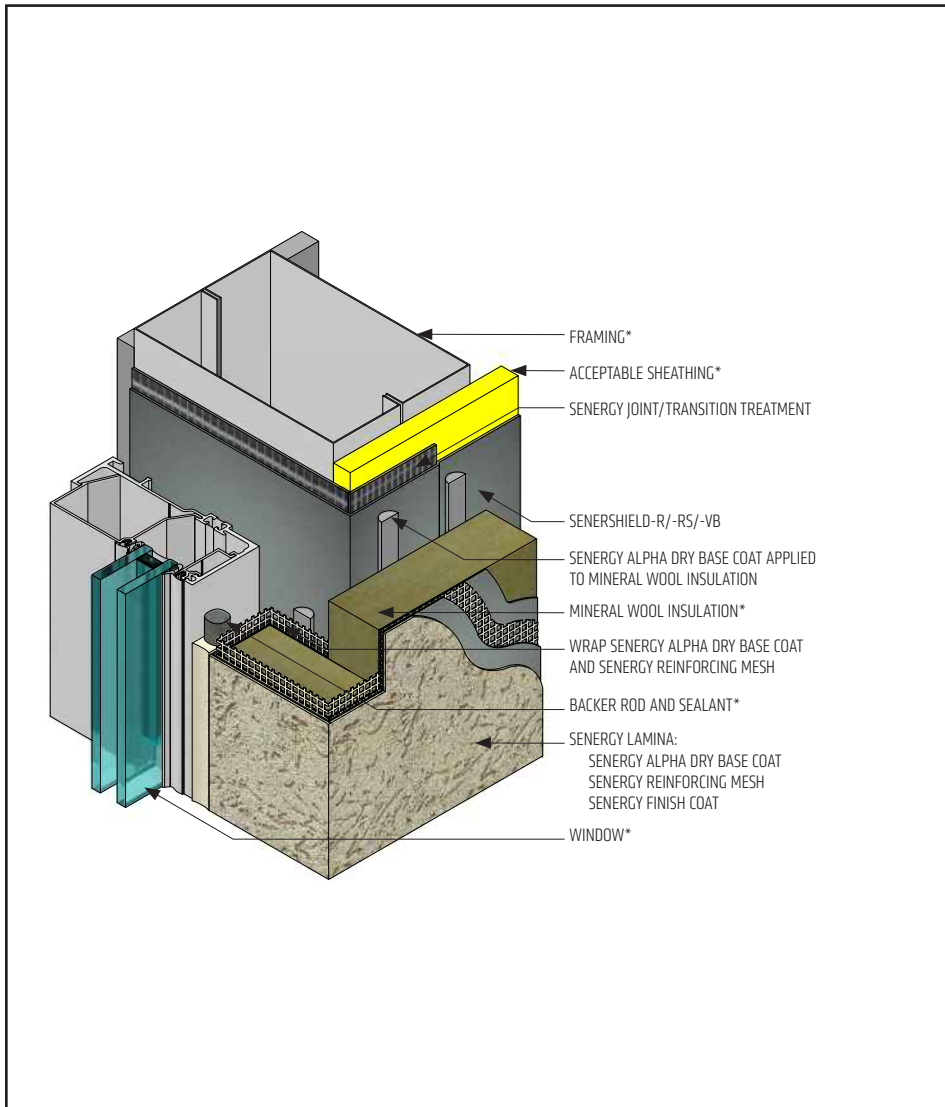
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TYPICAL WINDOW JAMB (RECESSED)



- All terminations must be fully encapsulated with mesh reinforced base coat.
- Ensure Senershield air/water-resistive barrier is properly applied into the rough openings in accordance with application guidelines and code requirements prior to mineral wool insulation application.
- 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).
- Consult window and sealant manufacturers to verify window installation, detailing and to ensure no water leakage into the wall assembly.
- Senergy Joint/Transition Treatment Options: SikaWall MaxFlash, SikaWall Sheathing Fabric embedded in Senershield-R/-RS/-VB or SikaWall Flash Seal NP

VNC-21 2407

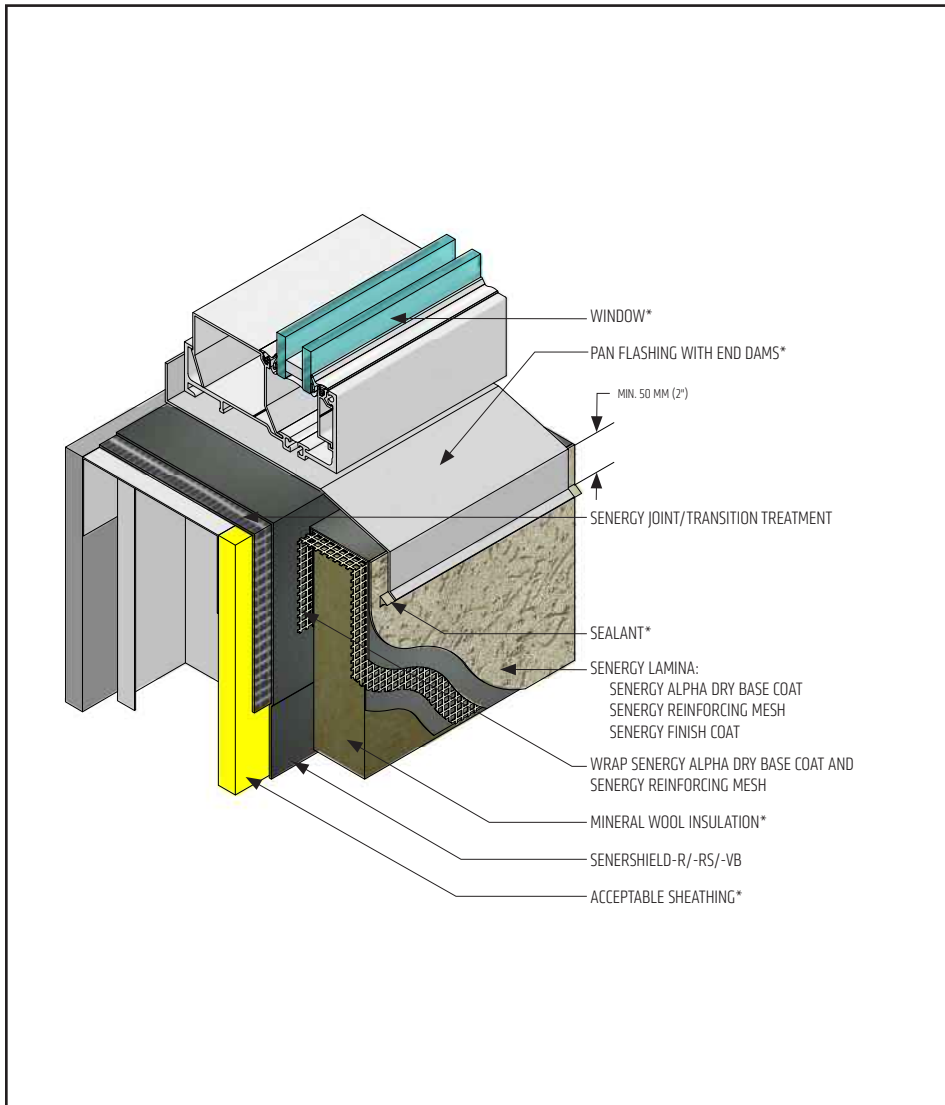
(*NOTE: BY OTHERS)

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Senerflex Vulcan NC System

TYPICAL WINDOW SILL (RECESSED)



- All terminations must be fully encapsulated with mesh reinforced base coat.
- Ensure Senershield air/water-resistive barrier is properly applied into the rough openings in accordance with application guidelines and code requirements prior to mineral wool insulation application.
- Ensure that metal pan flashing extends onto the system a minimum of 50 mm (2") down the face and that end dams are provided.
- Consult window and sealant manufacturers to verify window installation, detailing and to ensure no water leakage into the wall assembly.
- Senergy Joint/Transition Treatment Options: SikaWall MaxFlash, SikaWall Sheathing Fabric embedded in Senershield-R/-RS/-VB or SikaWall Flash Seal NP.

VNC-22 2407

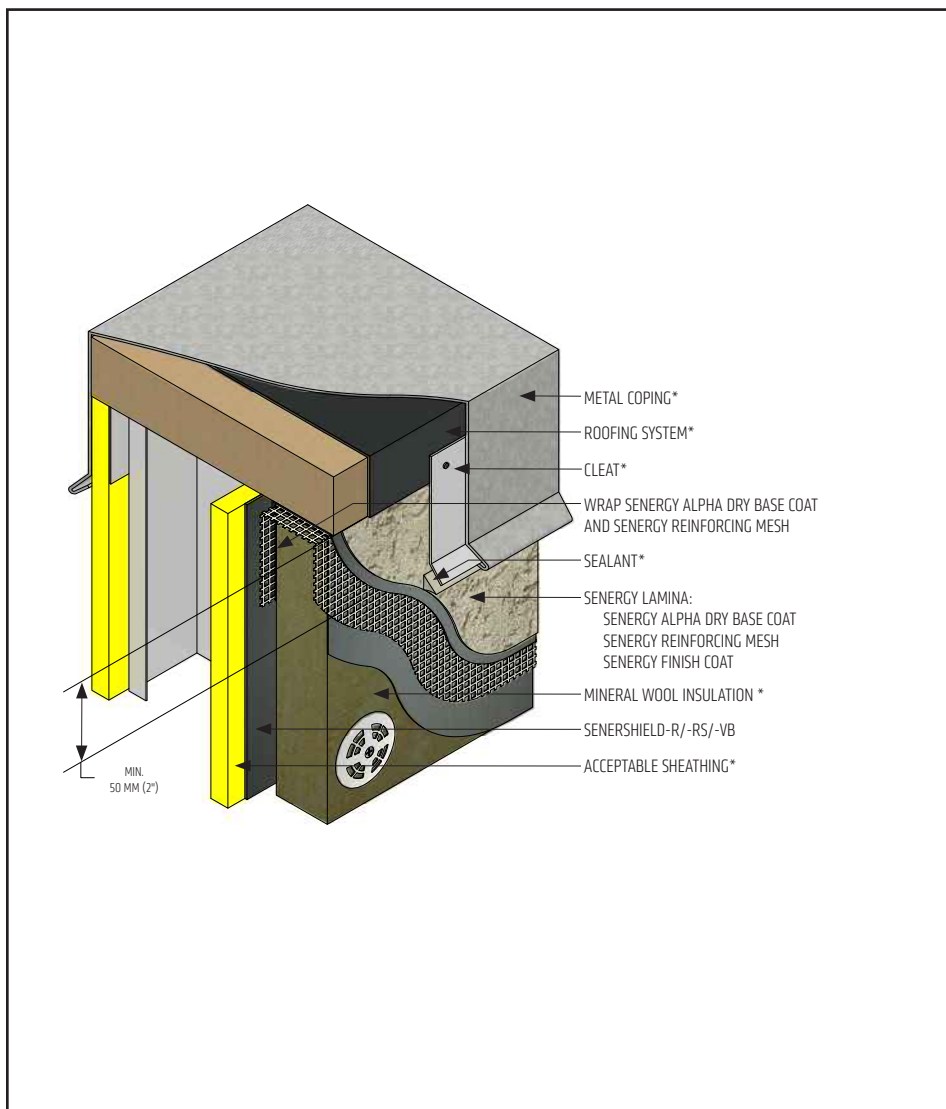
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Senerflex Vulcan NC System

TYPICAL PARAPET CAP FLASHING



- All terminations must be fully encapsulated with mesh reinforced base coat.
- Ensure that metal coping/flashing extends onto the system a minimum of 50 mm (2") 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.

VNC-23 2407

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Senerflex Vulcan NC System

TYPICAL KICK-OUT FLASHING



- All terminations must be fully encapsulated with mesh reinforced base coat. Pre-backwrapping is recommended at drainage terminations. Extend reinforcing mesh a minimum of 63.5mm (2½") onto back of insulation board.
- Ensure a means for drainage is provided at system termination at roof.
- Terminate system a minimum of 50 mm (2") above roof.
- Ensure step flashing is a minimum of 50 mm (2") behind system.
- Kick-out flashing shall be a minimum of 102 mm (4") in height.
- Do not apply finish to areas that will receive sealant.
- Senergy Joint/Transition Treatment Options: SikaWall MaxFlash, SikaWall Sheathing Fabric embedded in Senershield-R/-RS/-VB or SikaWall Flash Seal NP

VNC-24 2407

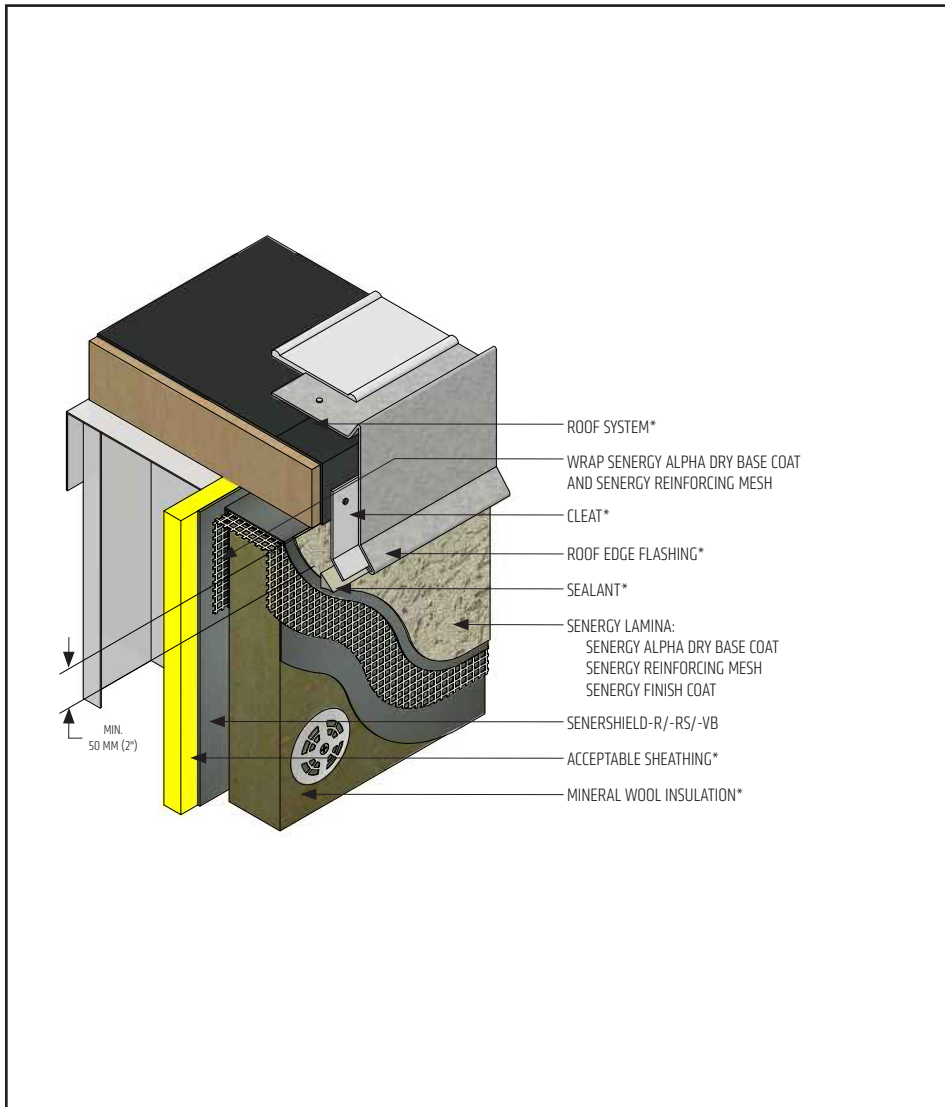
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Senerflex Vulcan NC System

TYPICAL ROOF EDGE FLASHING



- All terminations must be fully encapsulated with mesh reinforced base coat.
- Ensure that metal coping/ flashing extends onto the system a minimum of 50 mm (2") down the face.
- Extend Senersshield-R/-RS/-VB or SikaWall MaxFlash onto bottom of blocking or provide alternate air seal at sheathing termination to blocking.

VNC-25 2407

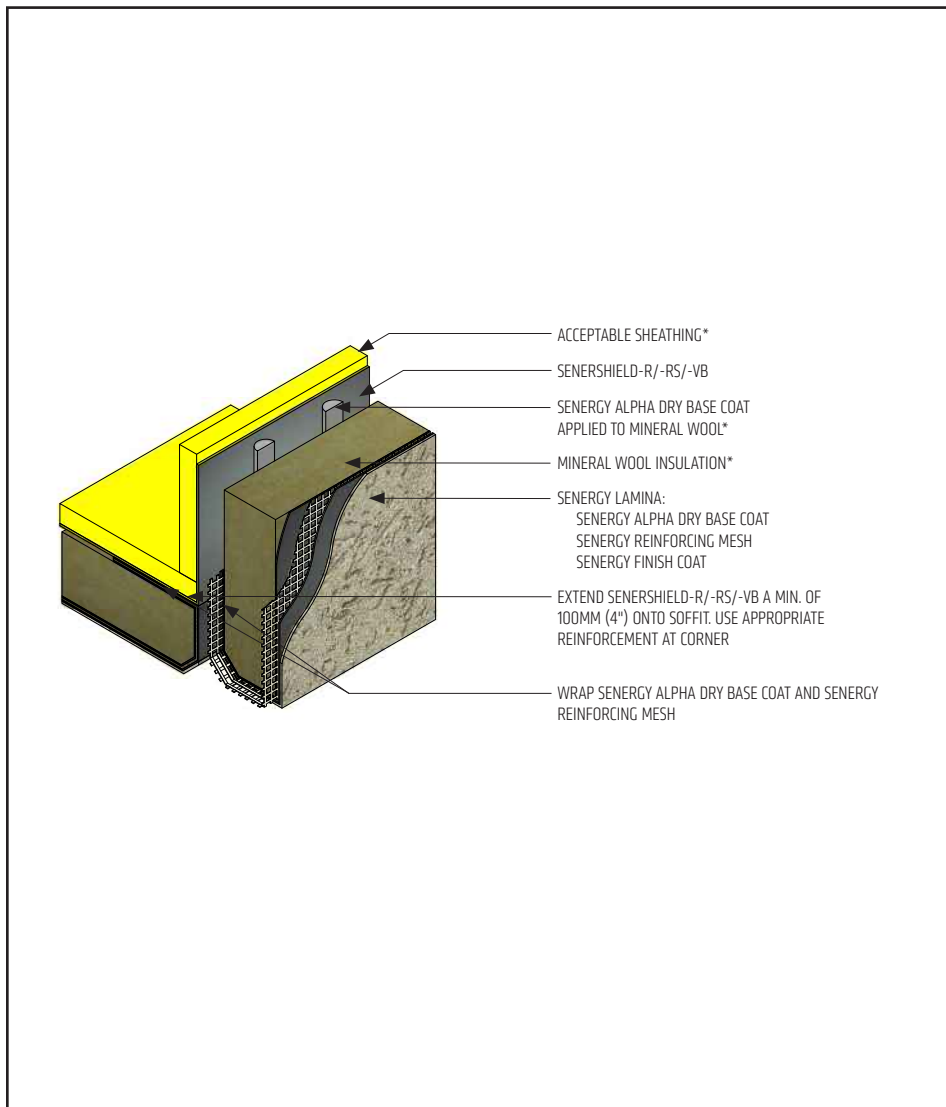
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Senerflex Vulcan NC System

SECTION AT FASCIA / SOFFIT



- All terminations must be fully encapsulated with mesh reinforced base coat. Pre-backwrapping is recommended at drainage terminations. Extend reinforcing mesh a minimum of 63.5 mm (2½") onto back of insulation board.
- Ensure a means for drainage is provided at system termination at soffit/fascia transition.

VNC-26 2407

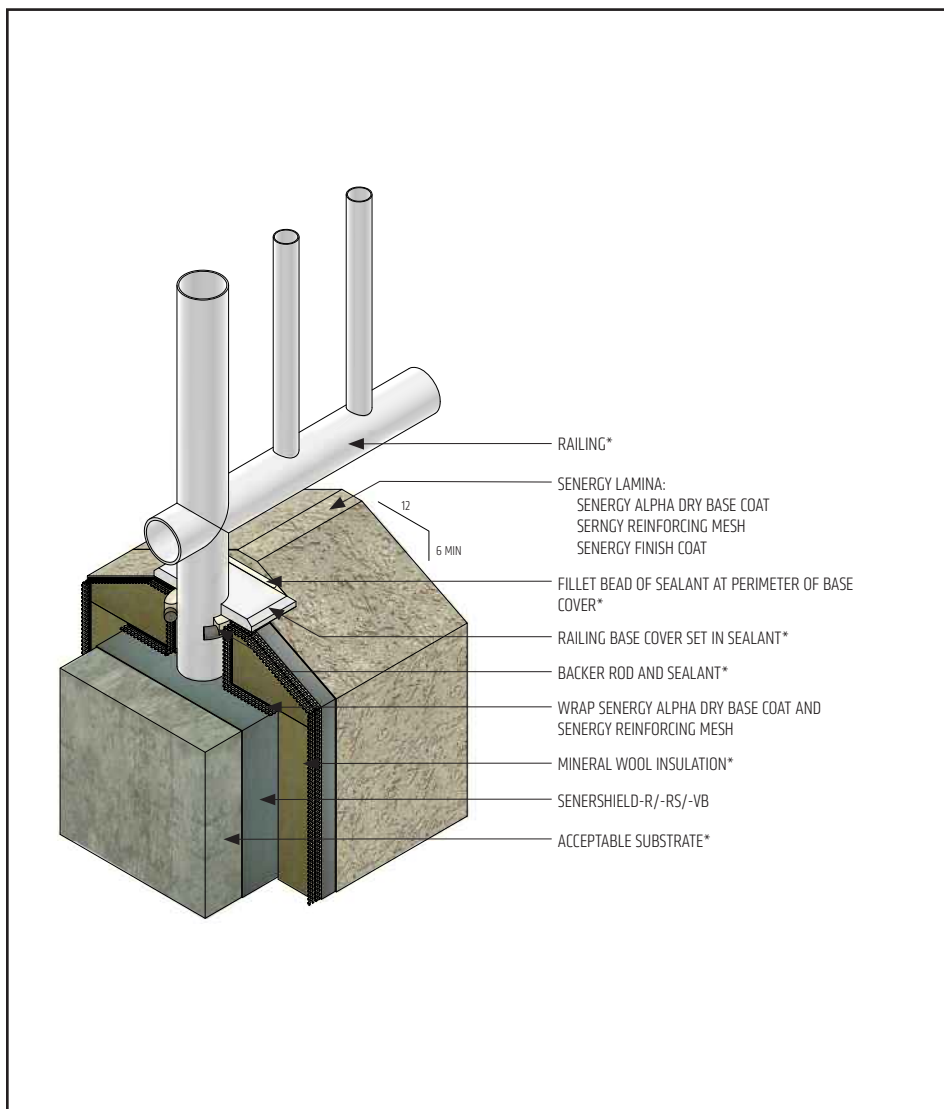
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Senerflex Vulcan NC System

TYPICAL CORE MOUNTED RAILING ATTACHMENT



- All terminations must be fully encapsulated with mesh reinforced base coat.
- Ensure all penetrations into the system are properly sealed.

VNC-27 2407

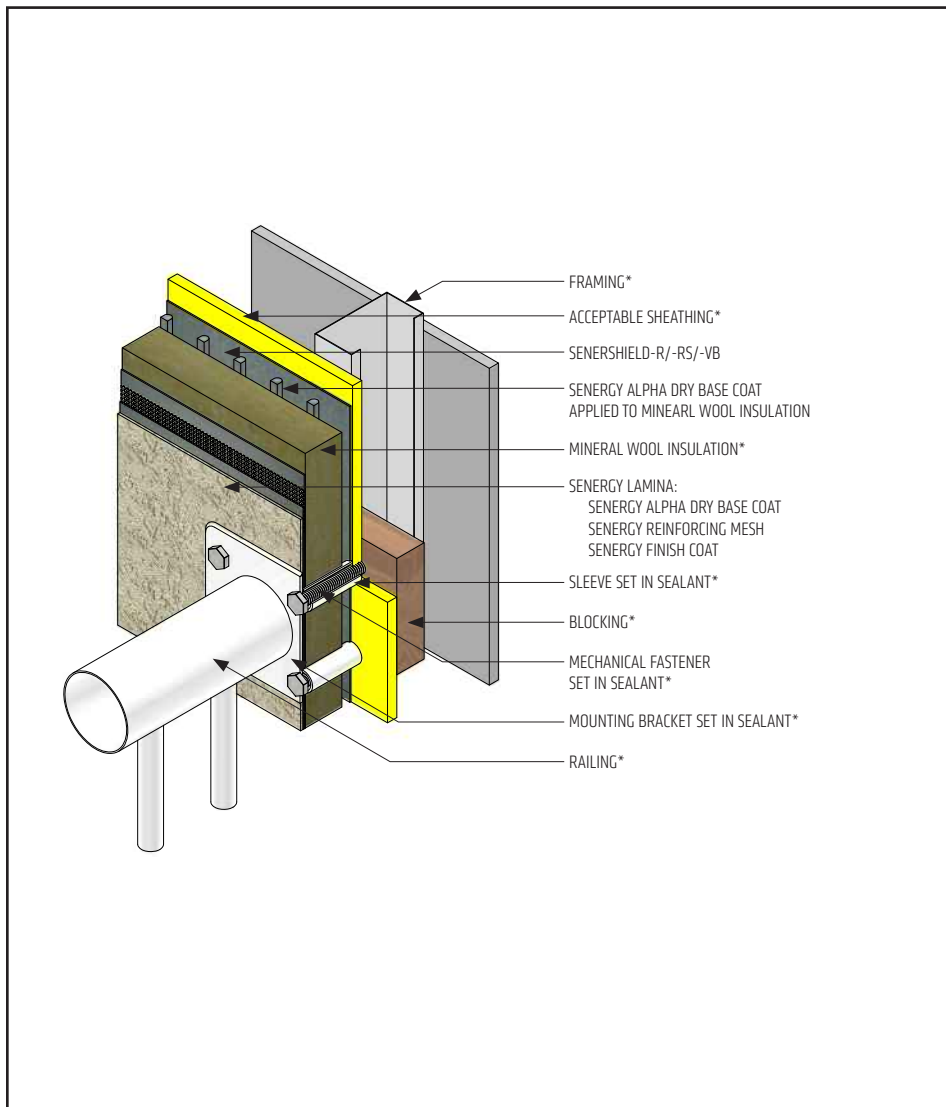
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Senerflex Vulcan NC System

TYPICAL RAILING ATTACHMENT



- All terminations must be fully encapsulated with mesh reinforced base coat.
- Ensure all penetrations into the system are properly sealed.

VNC-28 2407

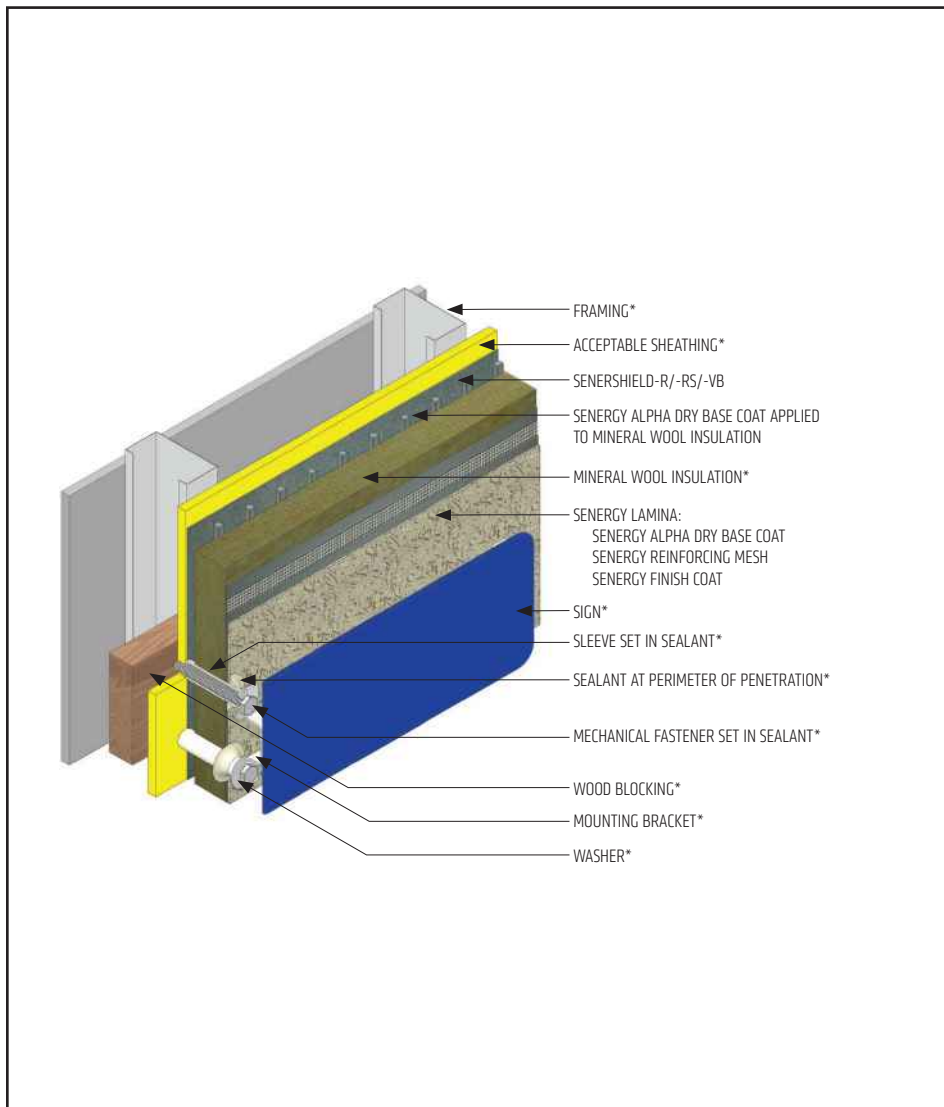
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Senerflex Vulcan NC System

TYPICAL SIGN ATTACHMENT



- All terminations must be fully encapsulated with mesh reinforced base coat.
- Ensure all penetrations into the system are properly sealed.
- Blocking or other structural support required for sign attachment.

VNC-29 2407

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