

Senergy[®]



SenerPanel Secondary Weather Barrier Design

Typical 2D Details

BUILDING TRUST



SenerPanel Secondary Weather Barrier Design

Typical 2D Details

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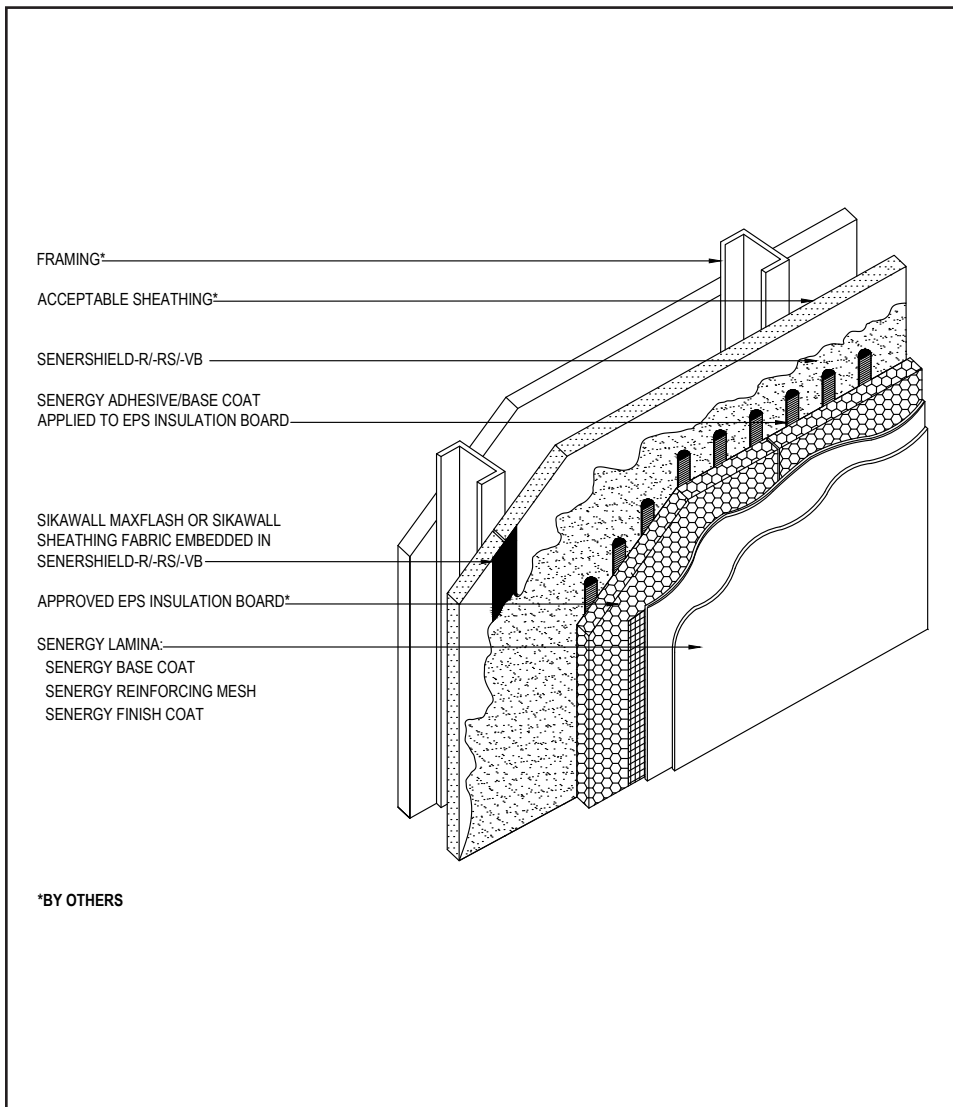
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Notes:

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SenerPanel Secondary Weather Barrier Design

TYPICAL APPLICATION (ISOMETRIC)



- All terminations must be fully encapsulated with mesh reinforced base coat.
- Ensure Senershield air/water-resistive barrier is applied per product application guidelines published details.

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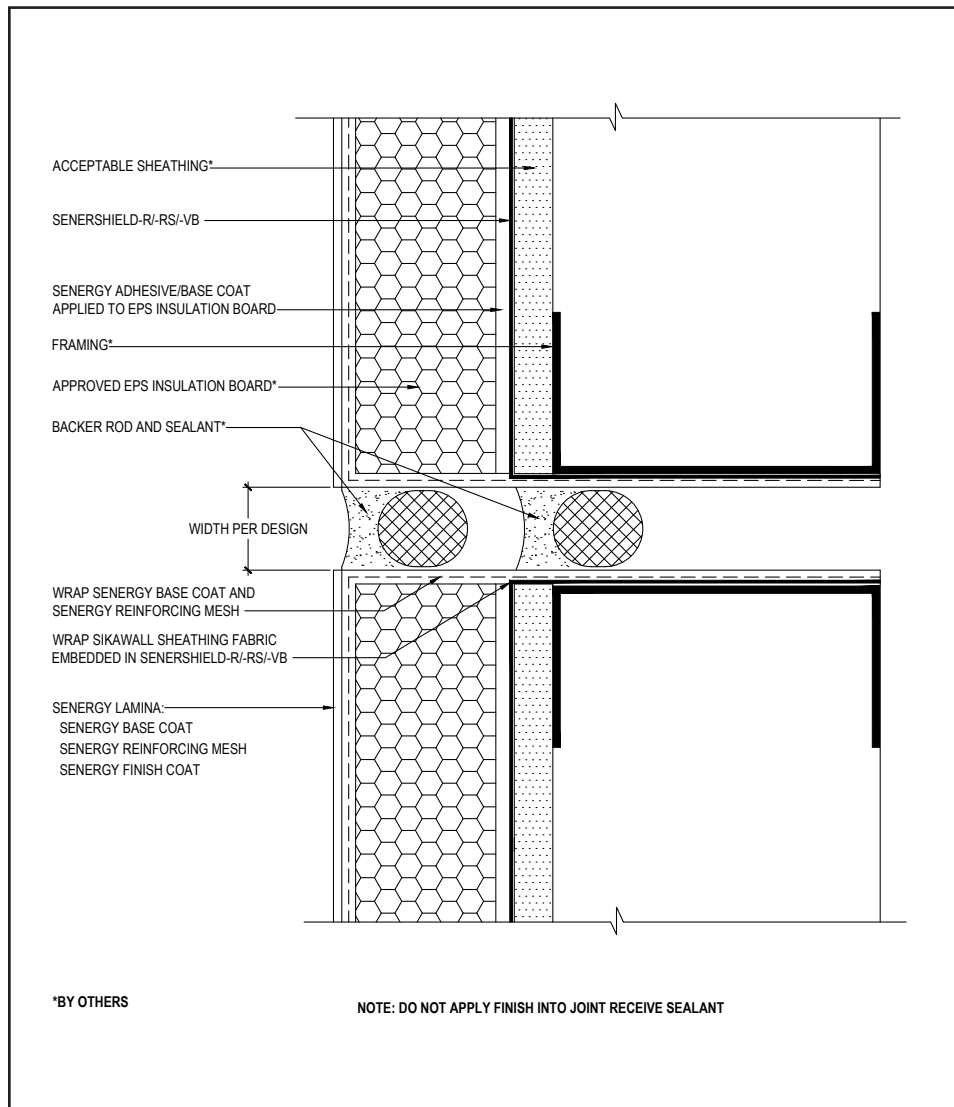
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TYPICAL HORIZONTAL PANEL TO PANEL JOINT



- Edge wrap Senergy air/water-resistive barrier on to the stud using SikaWall Sheathing Fabric. If punched studs are used, ensure the punchout is treated with SikaWall Flash Seal NP.
- Edge wrap Senergy base coat and reinforcing mesh on to the stud.
- Do not apply finish in to joint that will receive sealant.
- Install backer rod and sealant at panel to panel connection ensuring a watertight seal is achieved (width per design).
- Reference *Acceptable Sealants for use with Senergy Wall Systems Technical Bulletin* for a list of sealants.

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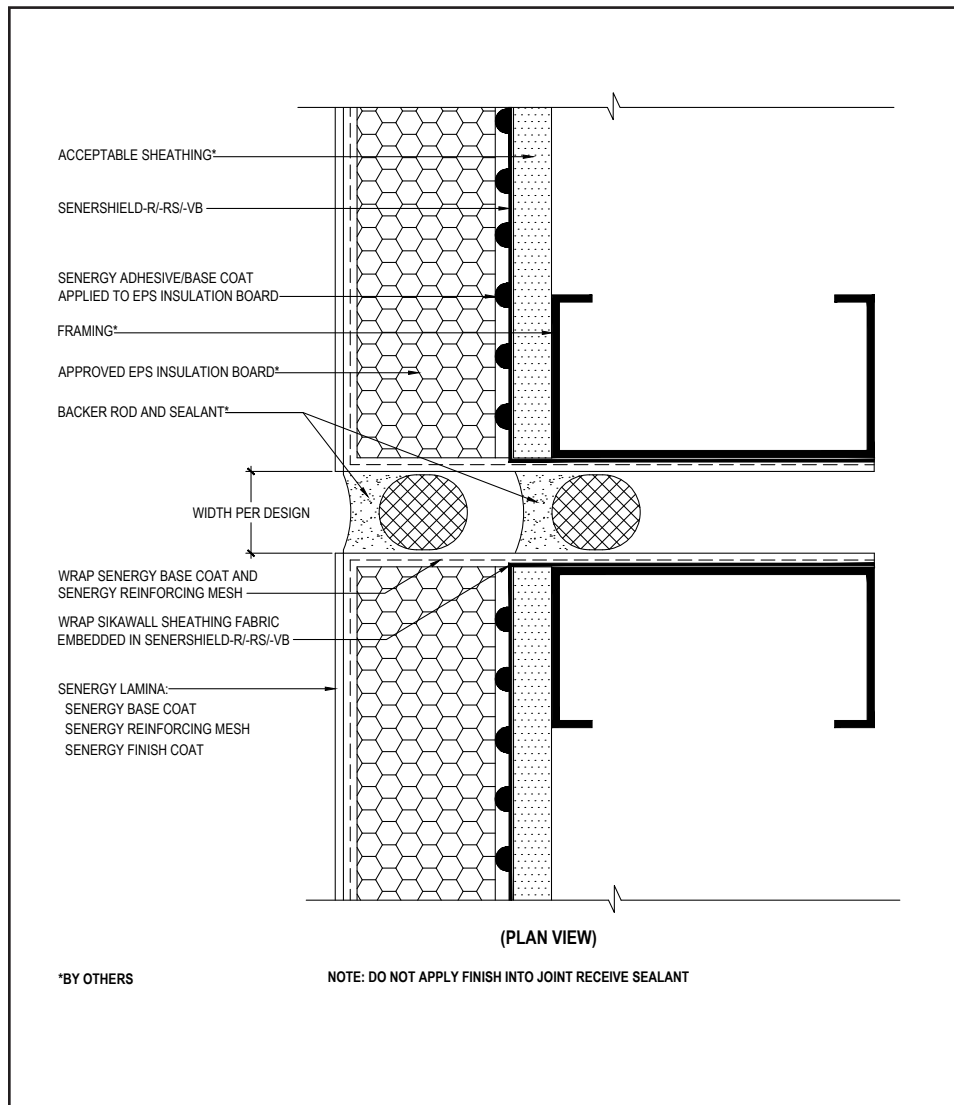
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TYPICAL VERTICAL PANEL TO PANEL JOINT



- Edge wrap Senergy air/water-resistive barrier on to the stud using SikaWall Sheathing Fabric. If punched studs are used, ensure the punchout is treated with SikaWall Flash Seal NP.
- Edge wrap Senergy base coat and reinforcing mesh on to the stud.
- Do not apply finish in to joint that will receive sealant.
- Install backer rod and sealant at panel to panel connection ensuring a watertight seal is achieved (width per design).
- Reference *Acceptable Sealants for use with Senergy Wall Systems* Technical Bulletin for a list of sealants.

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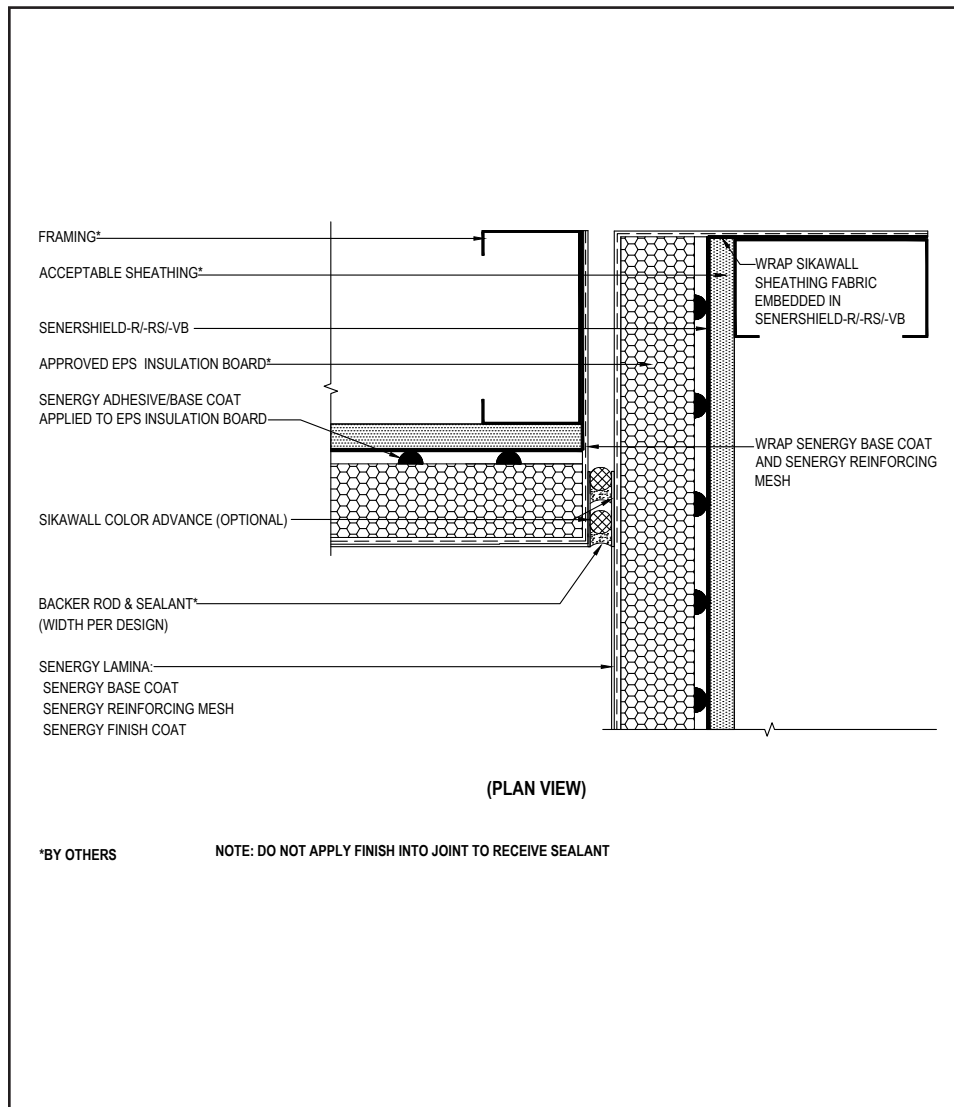
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SenerPanel Secondary Weather Barrier Design

TYPICAL INSIDE CORNER



- Edge wrap Senergy air/water-resistive barrier on to the stud using SikaWall Sheathing Fabric.
- Edge wrap Senergy base coat and reinforcing mesh on to the stud.
- Do not apply finish in to joint that will receive sealant.
- Install backer rod and sealant at panel to panel connection ensuring a watertight seal is achieved (width per design).
- Reference *Acceptable Sealants for use with Senergy Wall Systems* Technical Bulletin for a list of sealants.

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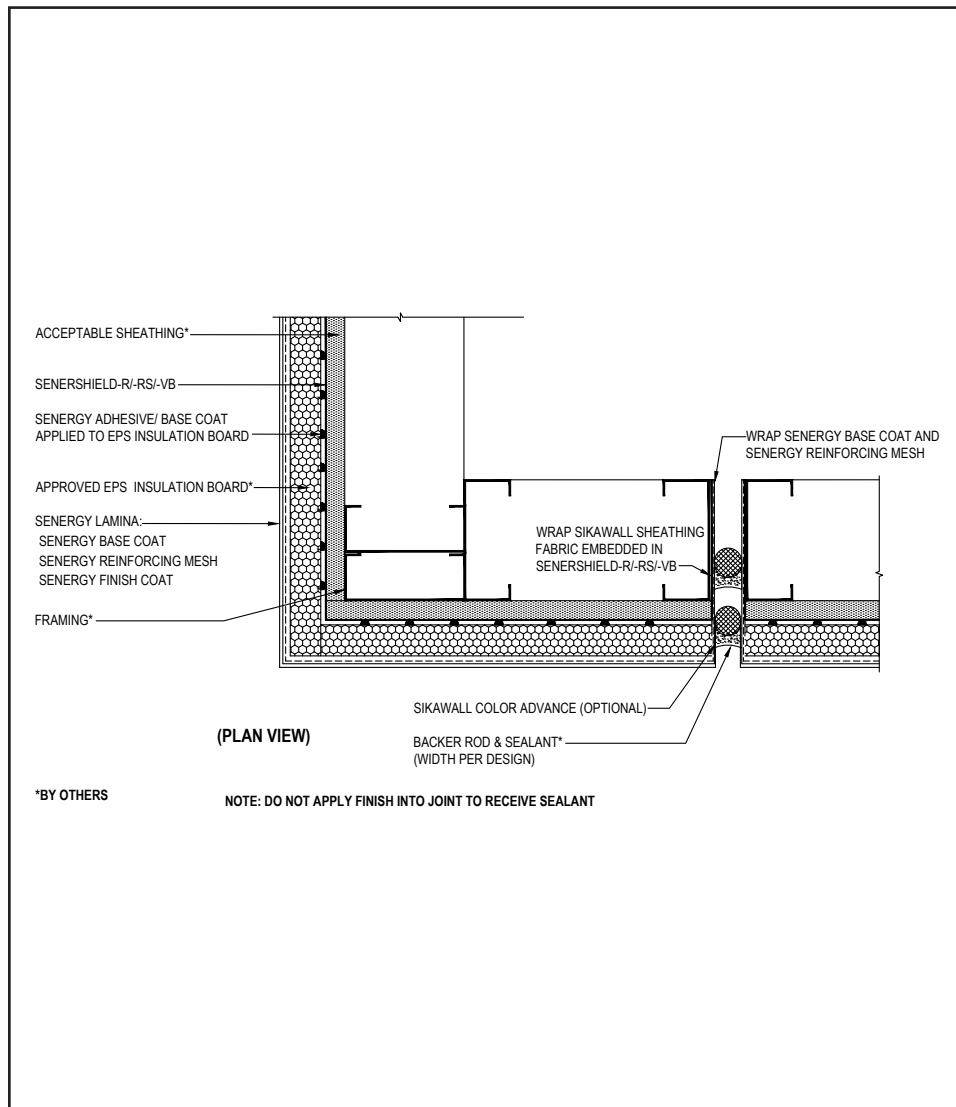
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TYPICAL OUTSIDE CORNER



- Ensure SikaWall Corner Mesh is used or Senergy Flexguard 4, SikaWall Intermediate 6 or 12 reinforcing mesh is lapped a minimum of 8" (203mm) around corners from both sides (creating double layer of mesh at corners).
- Edge wrap Senergy air/water-resistant barrier on to the stud using SikaWall Sheathing Fabric.
- Edge wrap Senergy base coat and reinforcing mesh on to the stud.
- Do not apply finish in to joint that will receive sealant.
- Install backer rod and sealant at panel to panel connection ensuring a watertight seal is achieved (width per design).
- Reference *Acceptable Sealants for use with Senergy Wall Systems* Technical Bulletin for a list of sealants.

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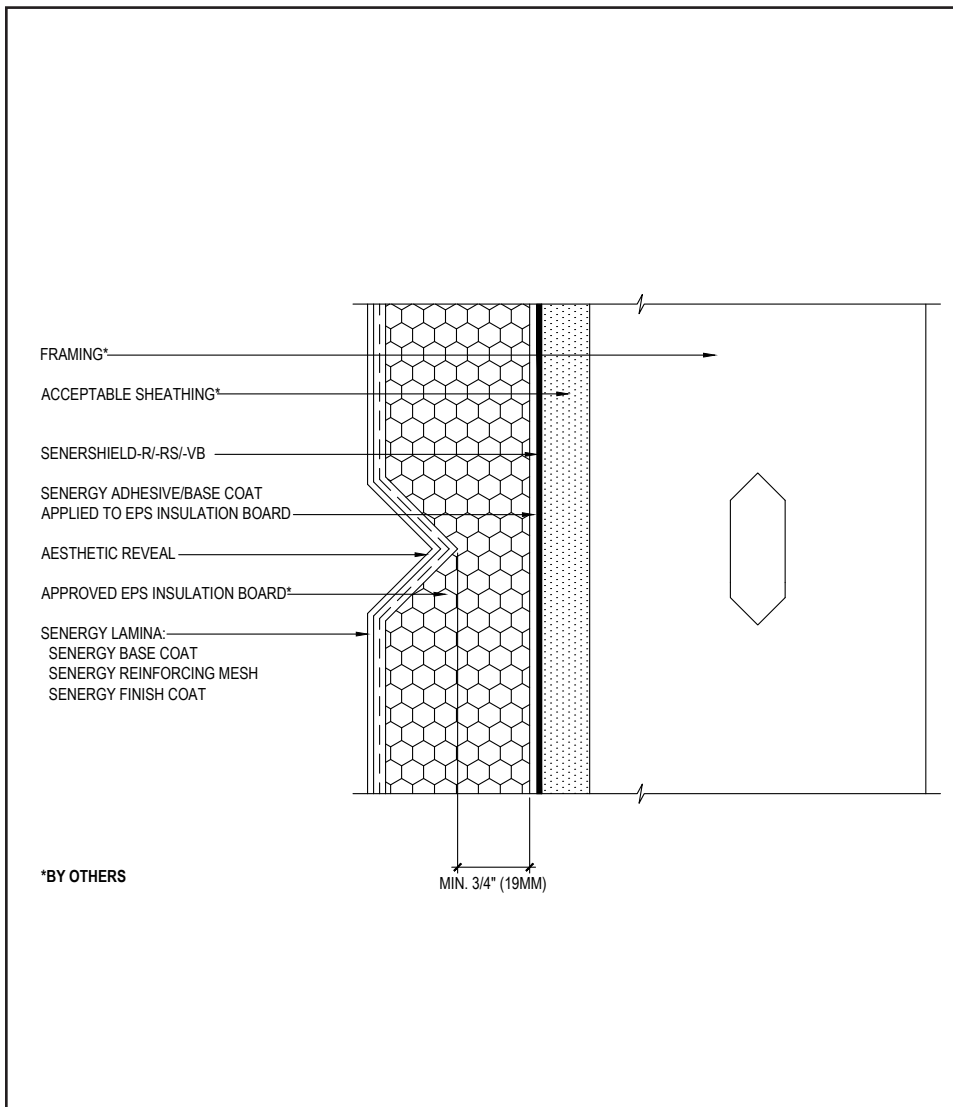
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TYPICAL AESTHETIC REVEAL



- Maintain a minimum continuous ¾" (19mm) thick EPS insulation board behind all reveals and aesthetic groves.
- Reveals shall not occur at the abutment of two pieces of EPS insulation board.
- 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.

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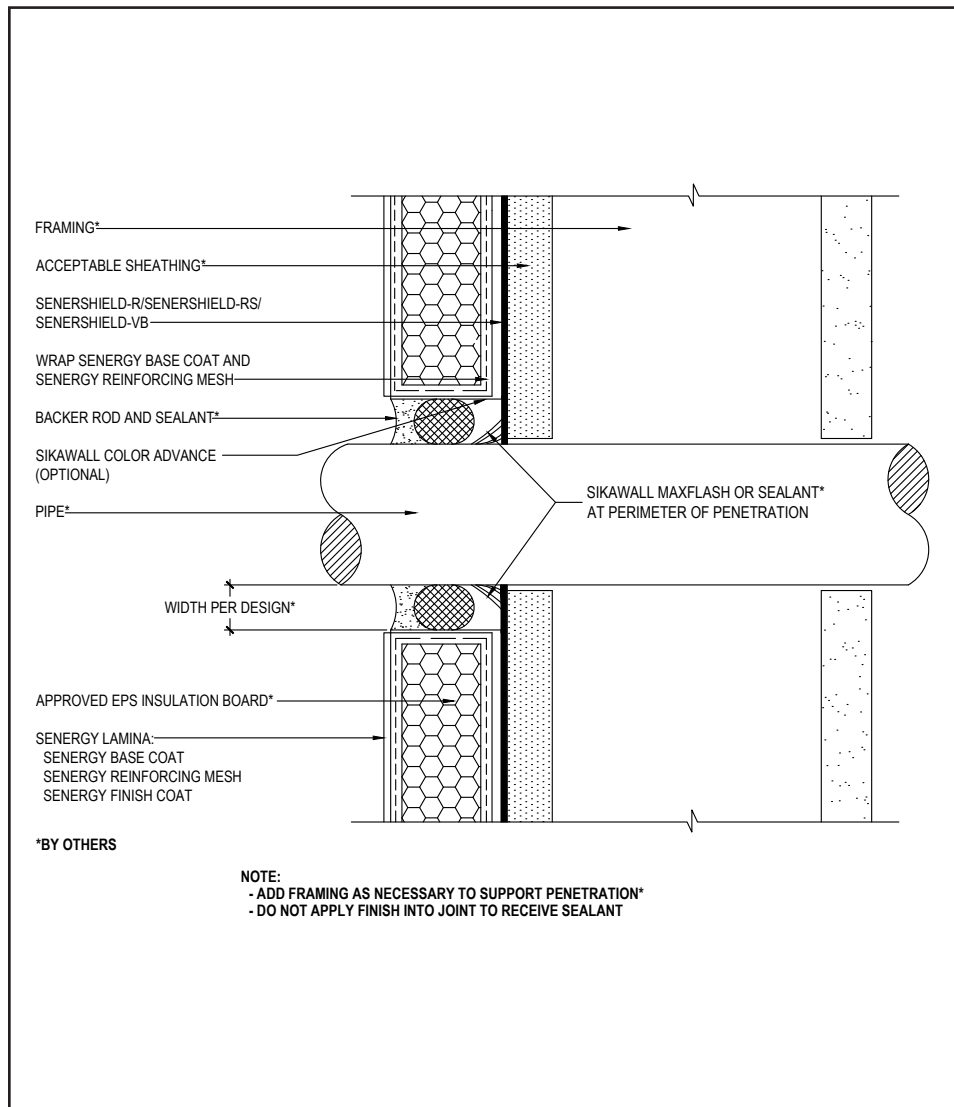
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TYPICAL PIPE PENETRATION



- All terminations must be encapsulated with mesh reinforced base coat.
- Provide a continuous air seal around perimeter of penetration prior to EPS insulation board application.
- 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.
- Do not apply finish in to joint that will receive sealant.

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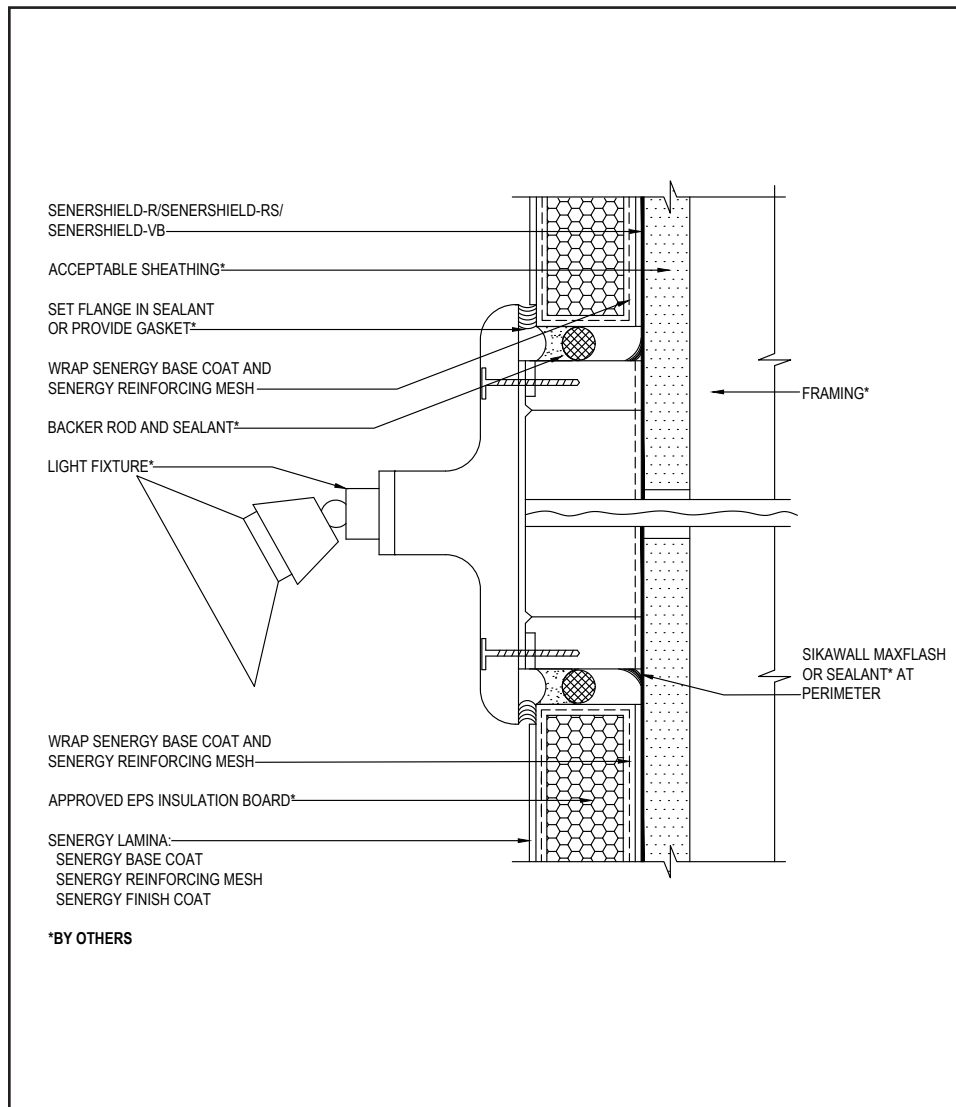
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TYPICAL LIGHT FIXTURE



- All terminations must be encapsulated with mesh reinforced base coat.
- Provide a continuous air seal around perimeter of penetration prior to EPS insulation board application.
- 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.
- Do not apply finish in to joint that will receive sealant.

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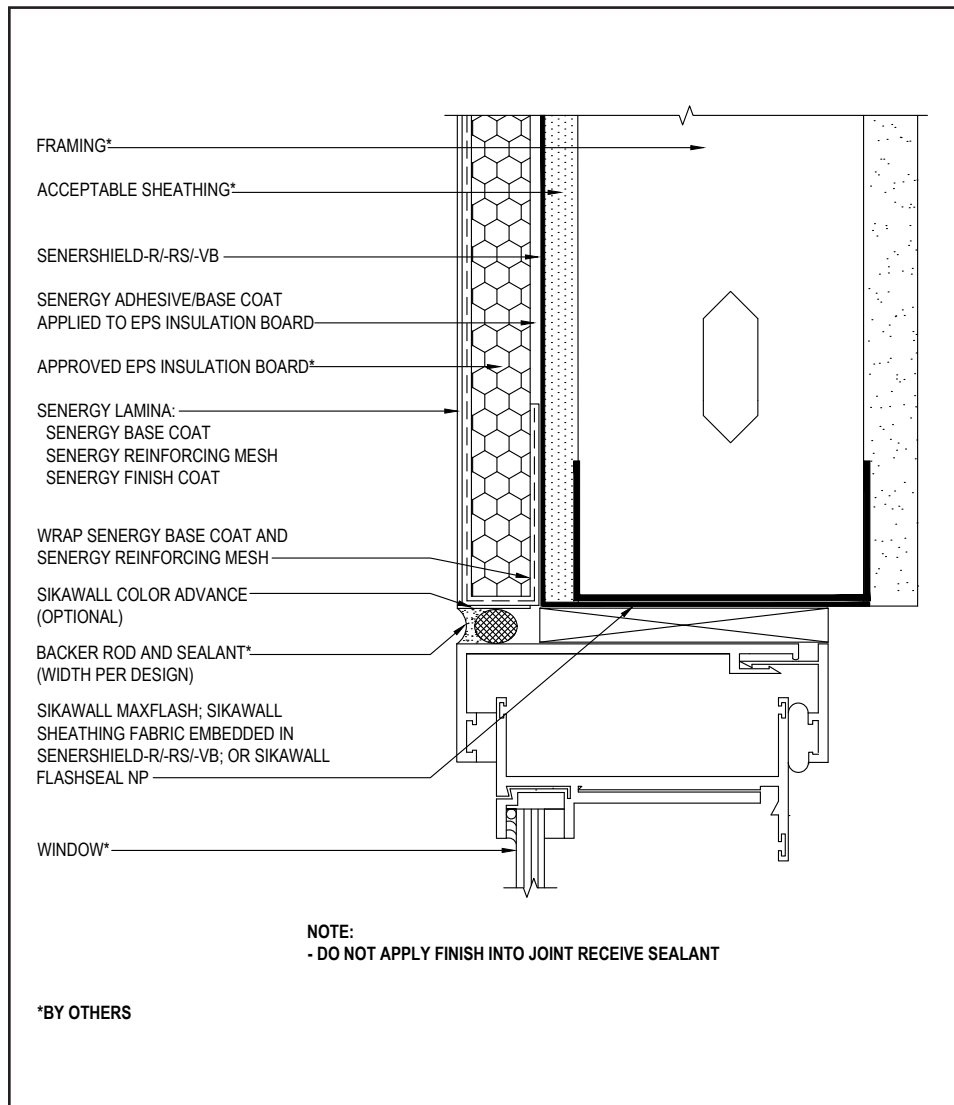
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TYPICAL WINDOW HEAD (FLUSH)



- 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-R/-RS/-VB published typical details.
- Edge wrap Senergy base coat and reinforcing mesh on to the stud or extend reinforcing mesh a minimum of 2 1/2" onto back of insulation board.
- Do not apply finish in to joint that will receive sealant.
- Provide a back wrapped or edge wrapped type joint with backer rod and sealant at system terminations to dissimilar materials, ensuring that a watertight 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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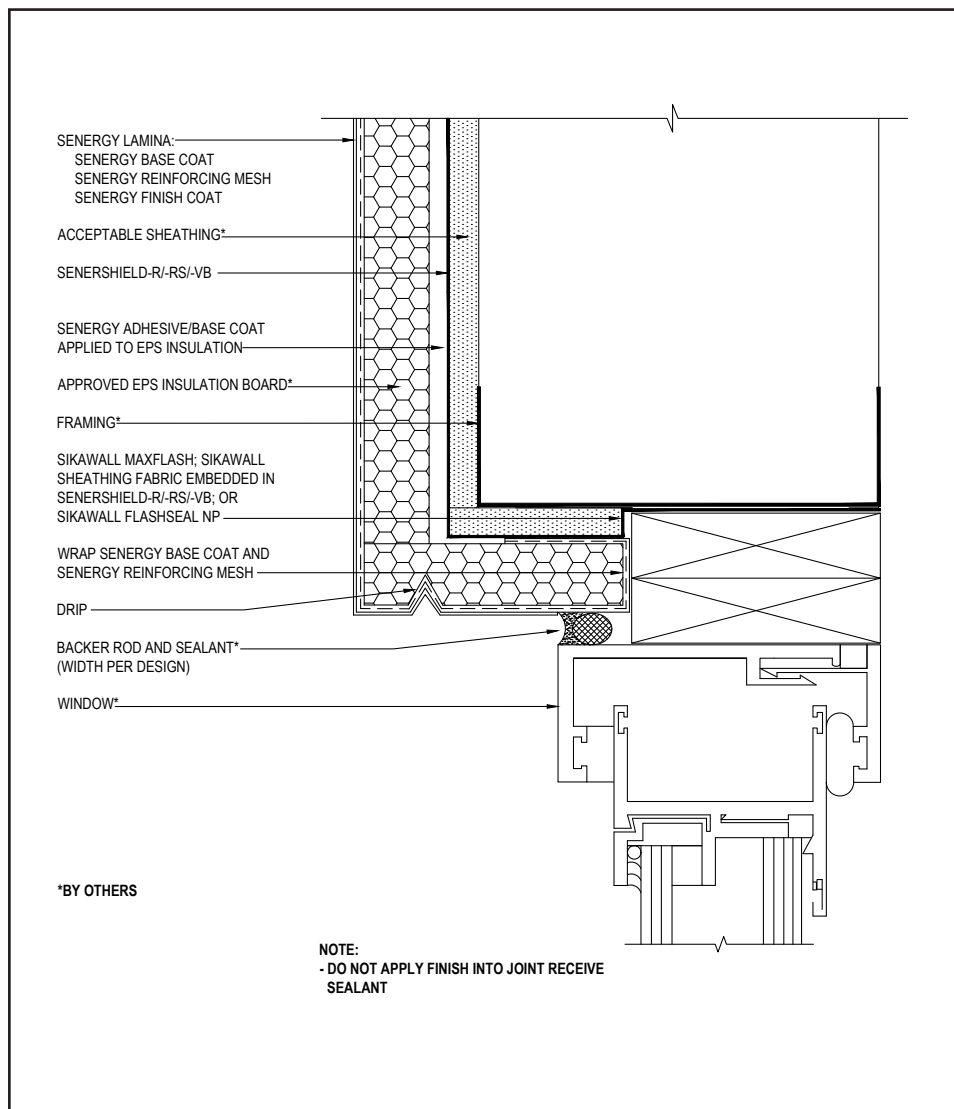
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SenerPanel Secondary Weather Barrier Design

TYPICAL WINDOW HEAD (RECESSED)



- 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-R/-RS/-VB published typical details.
- All terminations must be fully encapsulated with mesh reinforced base coat. Edge wrap onto track or extend reinforcing mesh a minimum of 2 1/2" onto back of insulation board.
- Do not apply finish in to joint that will receive sealant.
- Provide a back wrapped type joint with backer rod and sealant at system terminations to dissimilar materials, ensuring that a watertight seal is achieved (width per design).
- Reference *Acceptable Sealants for use with Senergy Wall Systems* Technical Bulletin for a list of sealants.
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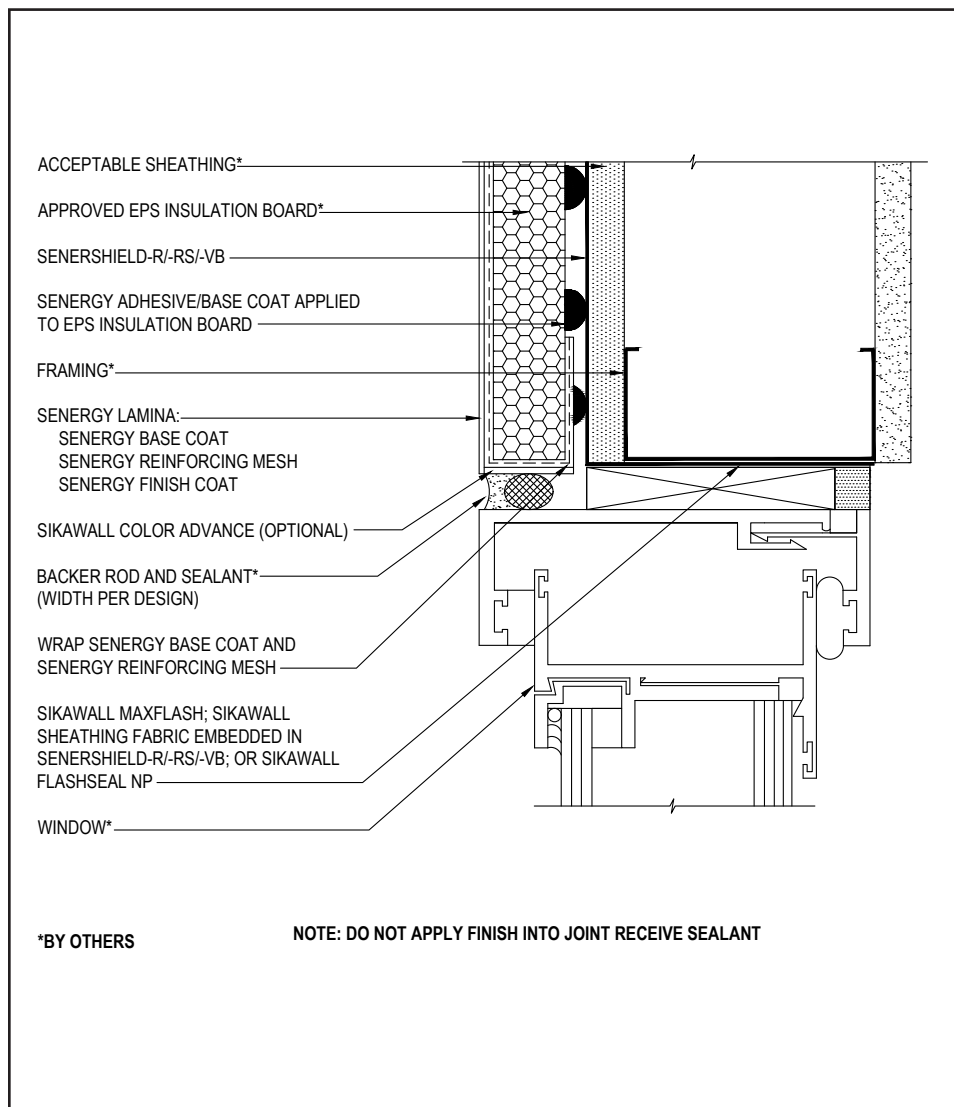
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TYPICAL WINDOW JAMB (FLUSH)



- 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-R/-RS/-VB published typical details. If punched studs are used, ensure the punchout is treated with SikaWall Flash Seal NP.
- All terminations must be fully encapsulated with mesh reinforced base coat. Edge wrap onto stud or extend reinforcing mesh a minimum of 2 1/2" onto back of insulation board.
- Provide a back wrapped or edge wrapped type joint with backer rod and sealant at system terminations to dissimilar materials, ensuring that a watertight 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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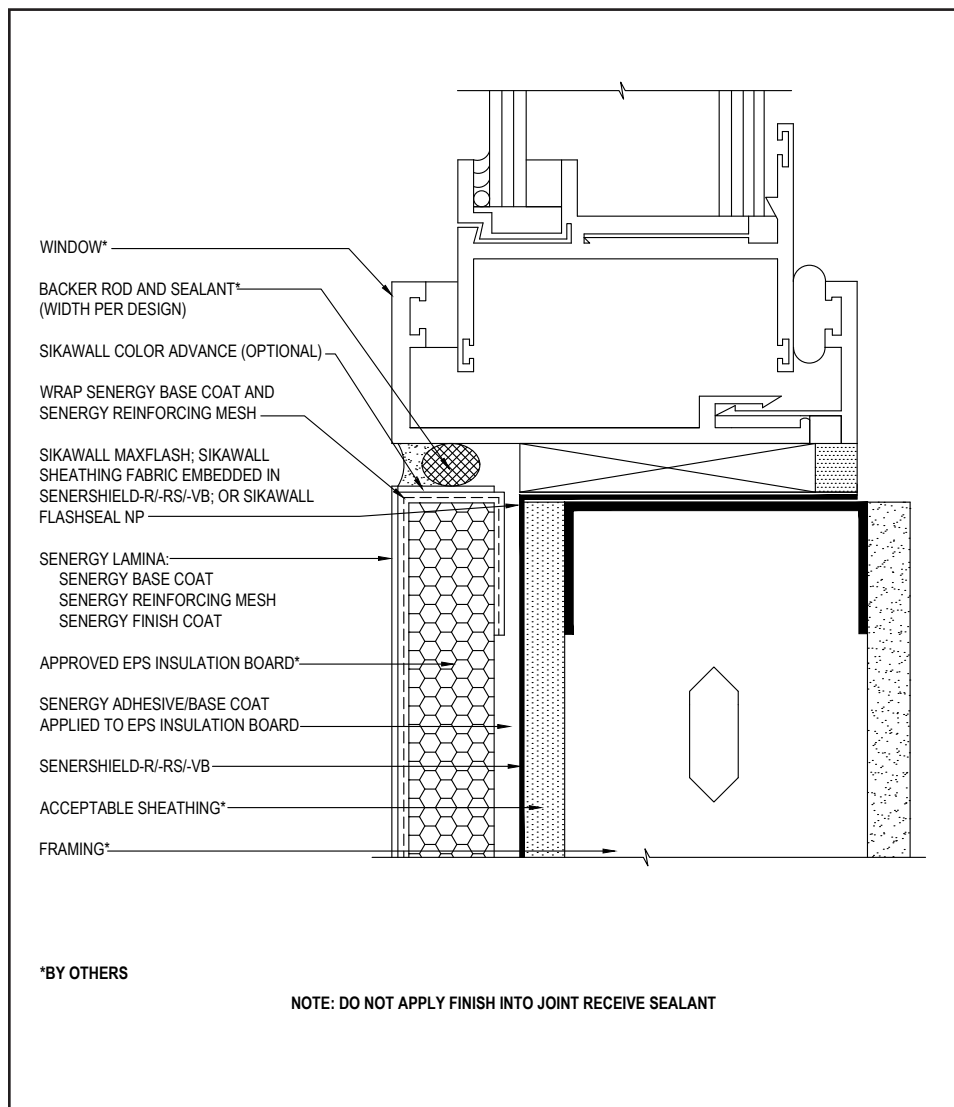
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TYPICAL WINDOW SILL (FLUSH)



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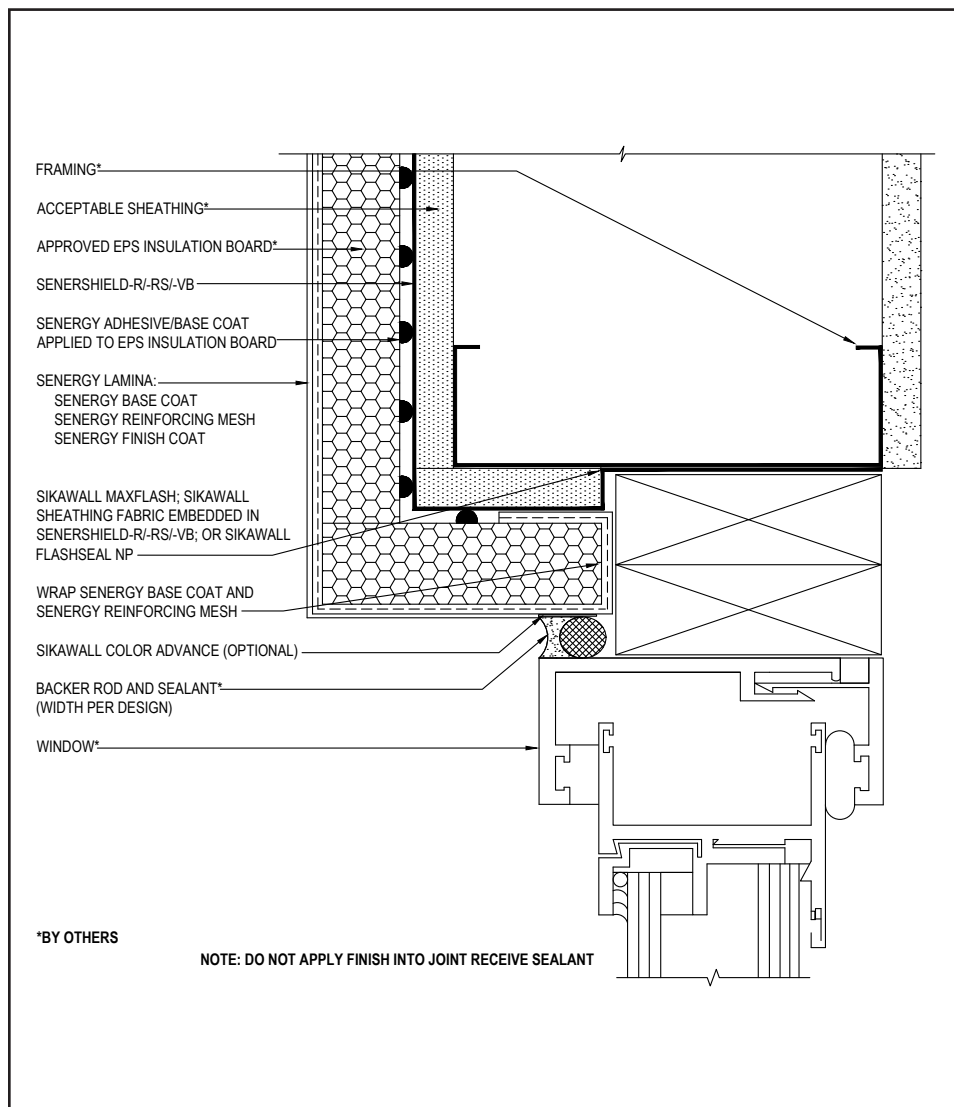
- Prior to window and EPS installation, ensure water-resistive barrier is properly applied into the rough openings in accordance with Senergy application guidelines and code requirements. Reference Senergy Senershield-R/-RS/-VB published typical details.
- All terminations must be fully encapsulated with mesh reinforced base coat. Edge wrap onto track or extend reinforcing mesh a minimum of 2 1/2" onto back of insulation board.
- Do not apply finish in to joint that will receive sealant.
- Provide a back wrapped or edge wrapped type joint with backer rod and sealant at system terminations to dissimilar materials, ensuring that a watertight 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 WINDOW JAMB (RECESSED)



- 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-R/-RS/-VB published typical details. If punched studs are used, ensure the punchout is treated with SikaWall Flash Seal NP.
- All terminations must be fully encapsulated with mesh reinforced base coat. Edge wrap onto stud or extend reinforcing mesh a minimum of 2 1/2" onto back of insulation board
- Do not apply finish in to joint that will receive sealant.
- Provide a back wrapped or edge wrapped type joint with backer rod and sealant at system terminations to dissimilar materials, ensuring that a watertight 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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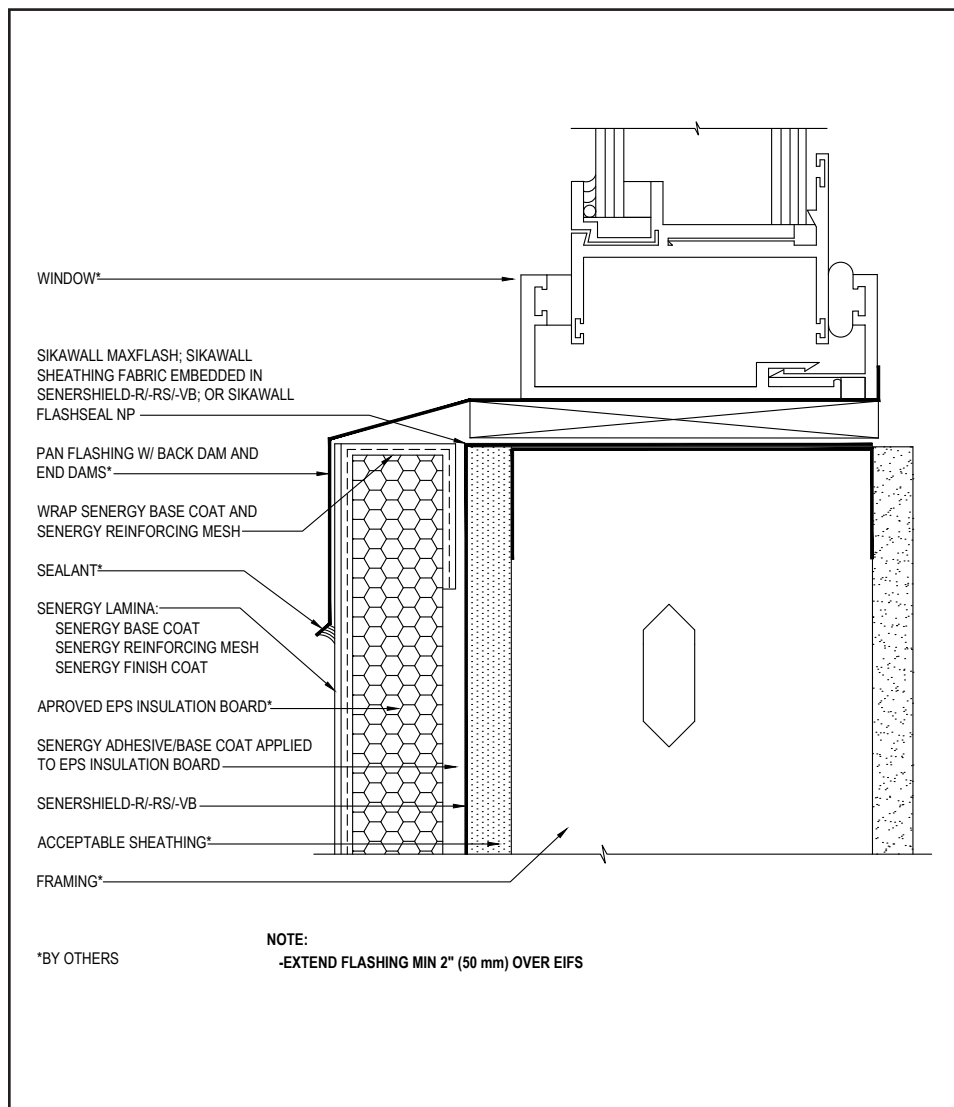
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TYPICAL WINDOW SILL (RECESSED)



- 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-R/-RS/-VB published typical details.
- All terminations must be fully encapsulated with mesh reinforced base coat. Edge wrap onto track or extend reinforcing mesh a minimum of 2 1/2" onto back of insulation board.
- Metal pan flashing shall extend over the system a minimum of 2" (50 mm) down the face. Pan flashing shall include back and end dams. End dams shall be treated with Senergy A/WRB products at interface with jamb framing.
- 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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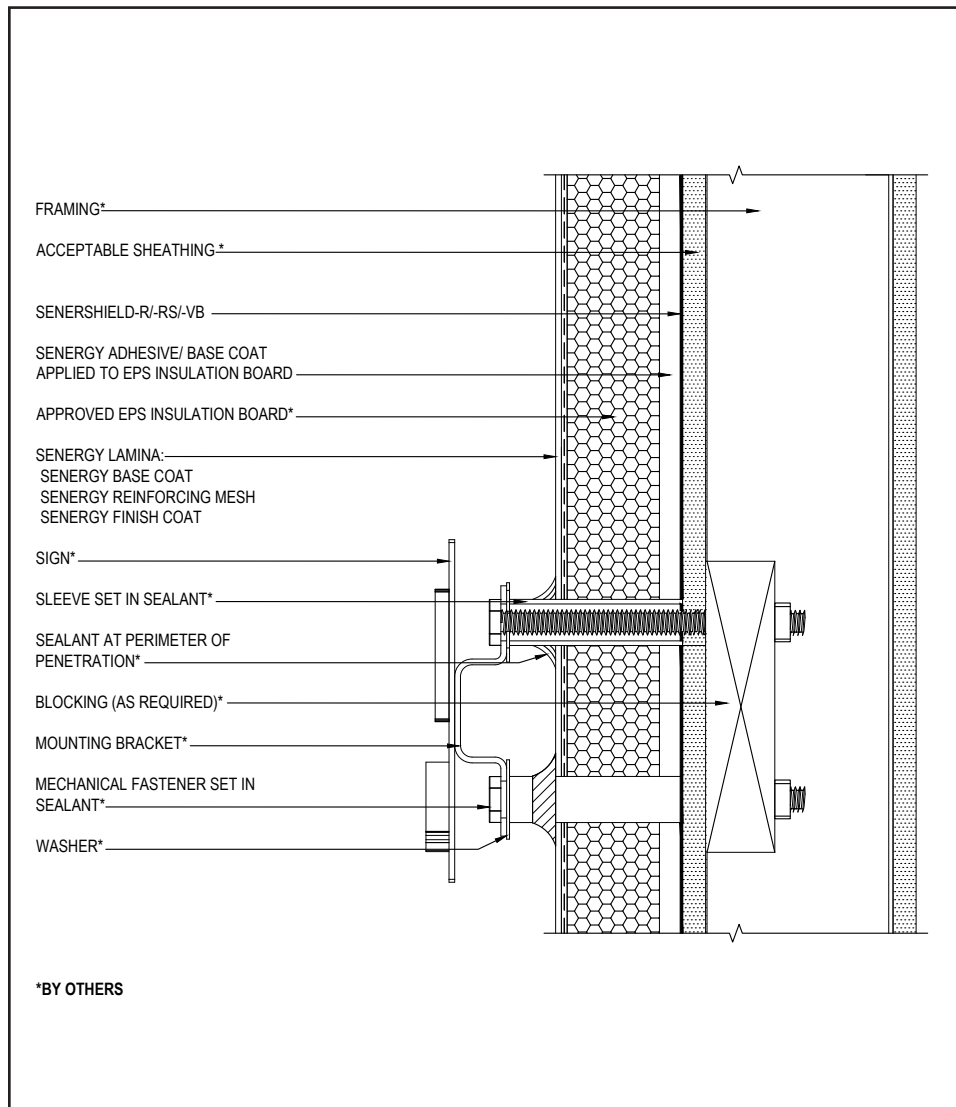
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TYPICAL SIGN ATTACHMENT



- 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.
- Blocking or other structural support required for sign attachment.

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Nothing contained in any SIKA literature or materials relieves the user of the obligation to read and follow the warnings and instructions for each SIKA product as set forth in the current product label, Product Data Sheet and Safety Data Sheet prior to use of the SIKA product.

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