

Senergy[®]



SenerPanel Channeled Adhesive CI Design

Typical 2D Details

BUILDING TRUST



SenerPanel Channeled Adhesive CI Design

Typical 2D Details

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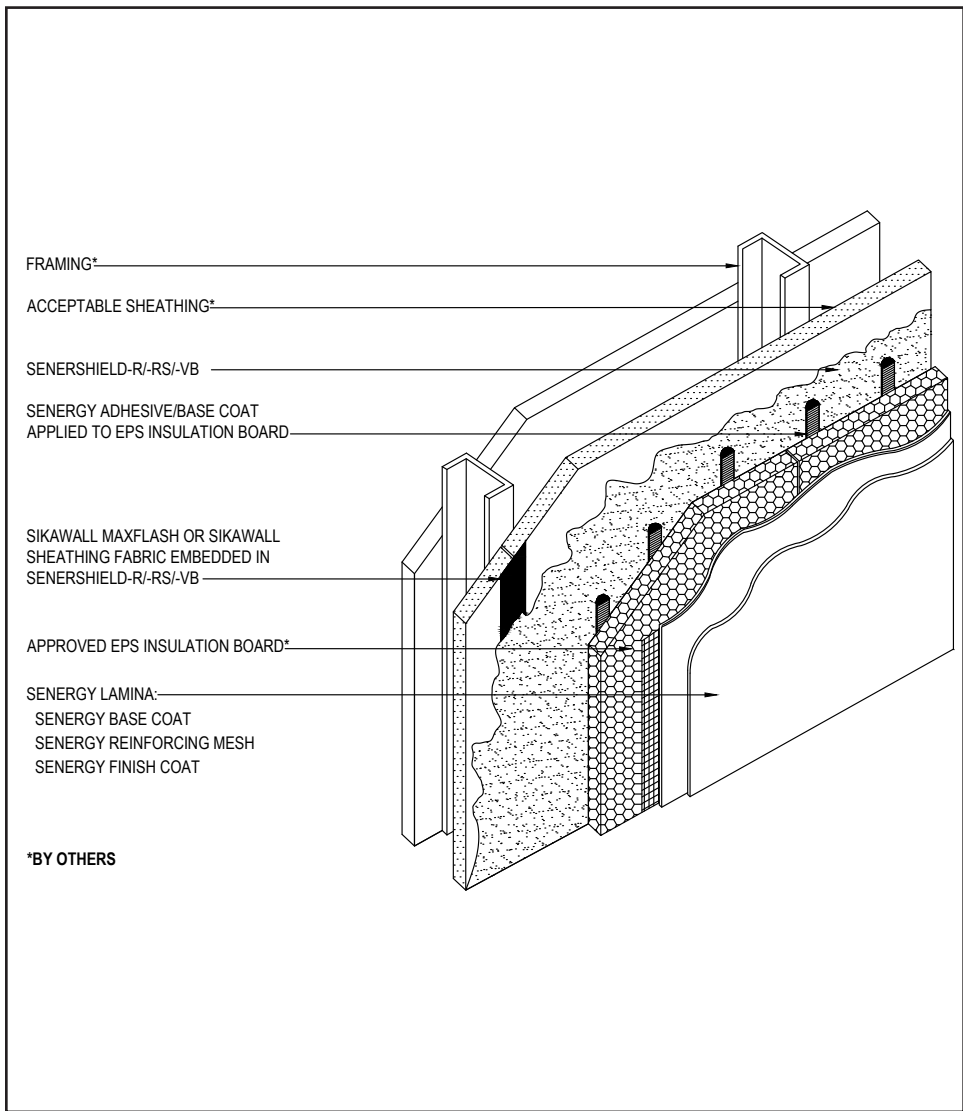
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Notes:

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TYPICAL APPLICATION (ISOMETRIC)



- All terminations must be fully encapsulated with mesh reinforced base coat.
- Ensure a means of drainage is provided at horizontal system terminations including at panel to panel joints.

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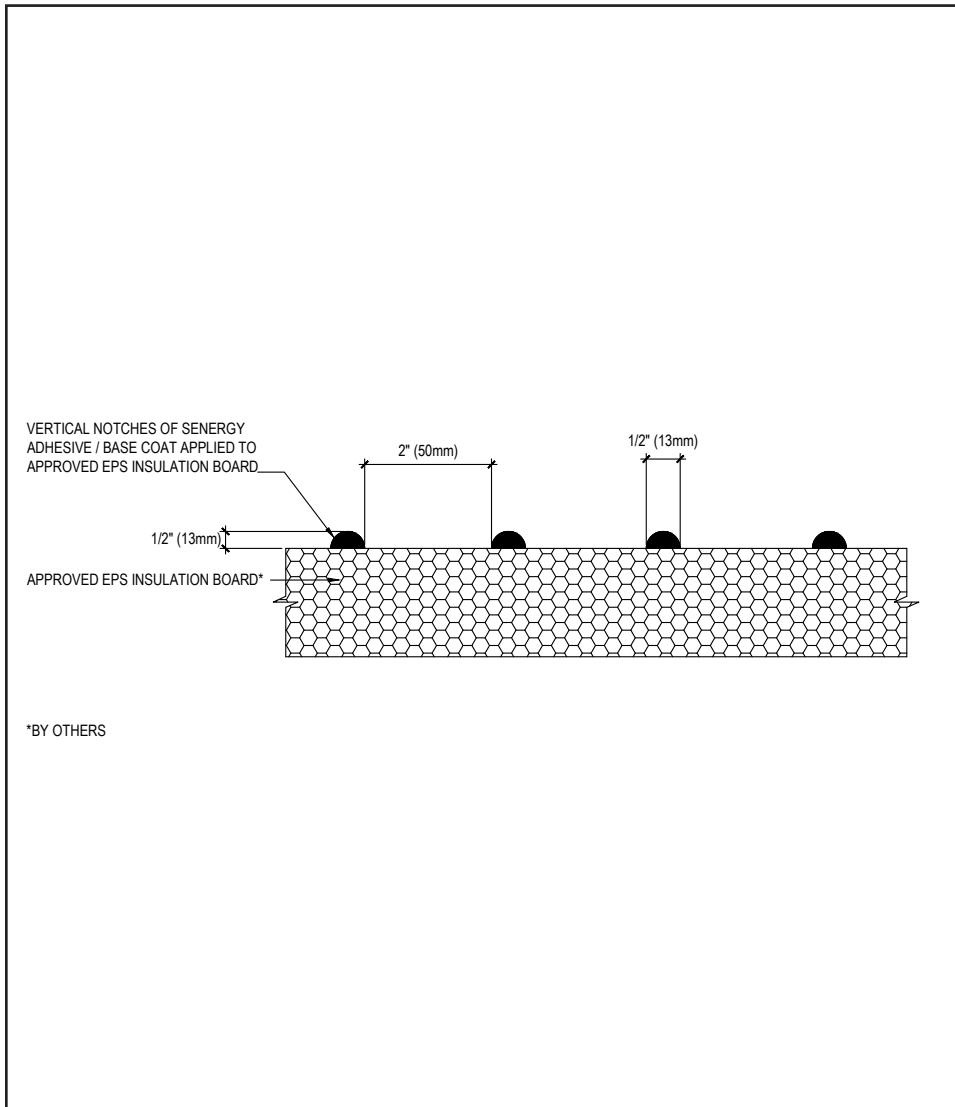
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TYPICAL CHANNELED ADHESIVE PROFILE



- Apply mixed Senergy adhesive / base coat to entire surface of 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.

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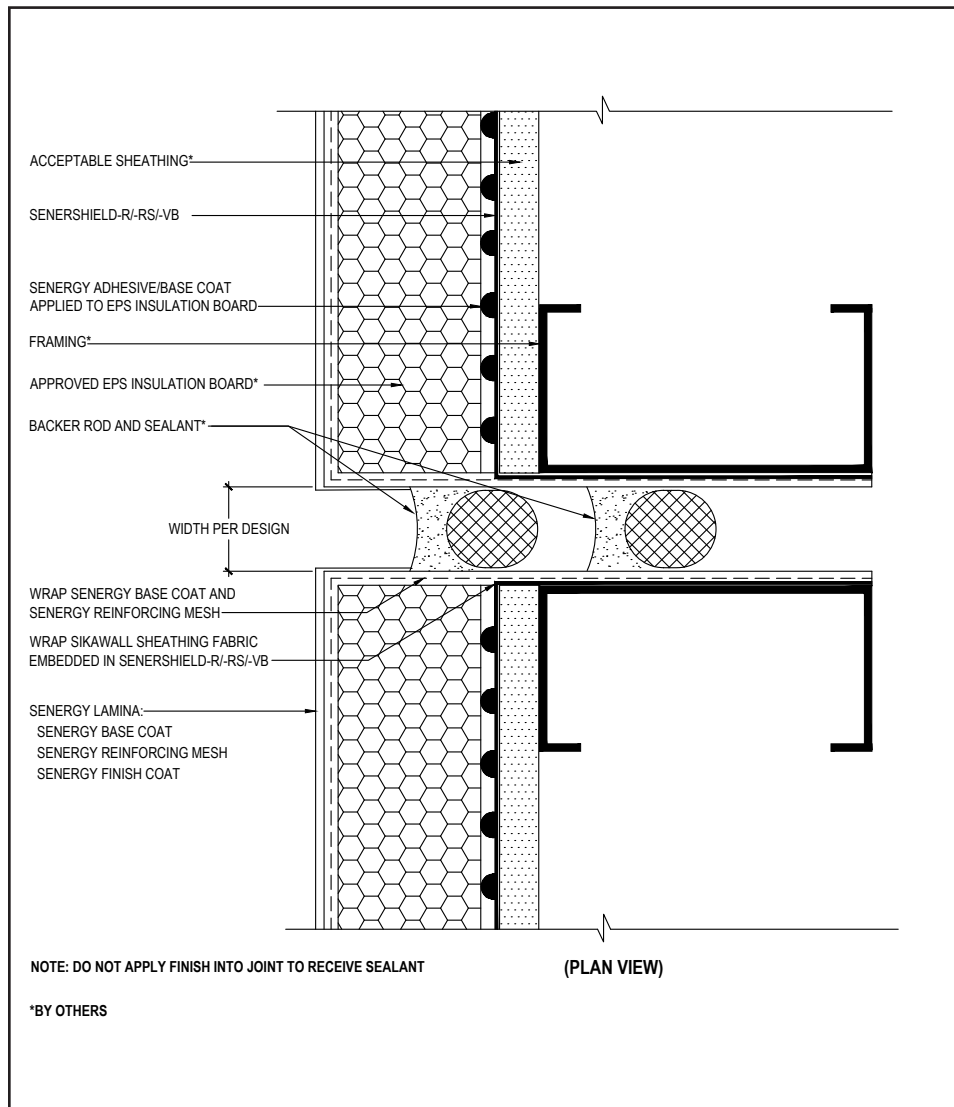
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TYPICAL VERTICAL PANEL TO PANEL JOINT



- 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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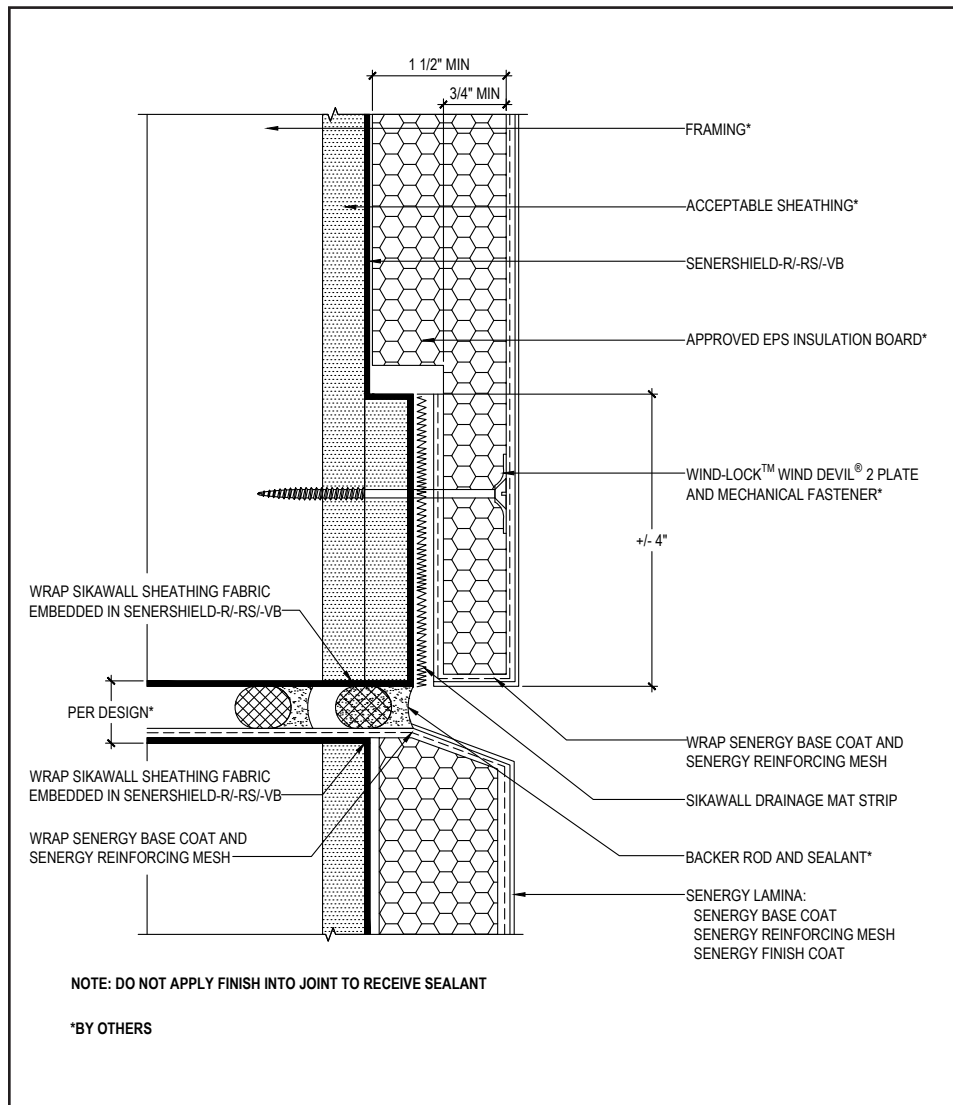
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TYPICAL PANEL TO PANEL JOINT WITH CONCEALED CONTINUOUS DRAINAGE



- Minimum EPS insulation thickness prior to notching must be no less than 1.5" (38mm). Ensure 3/4" (19mm) EPS thickness is maintained.
- Edge wrap Senergy air/water-resistant barrier on to the track using SikaWall Sheathing Fabric.
- Pre-backwrapping is recommended at drainage terminations. Extend reinforcing mesh a minimum of 2 1/2" onto back of insulation board.
- Edge wrap Senergy base coat and reinforcing mesh on to the track at non drainage termination only.
- Provide a slope at the horizontal EPS termination to eliminate standing water.
- 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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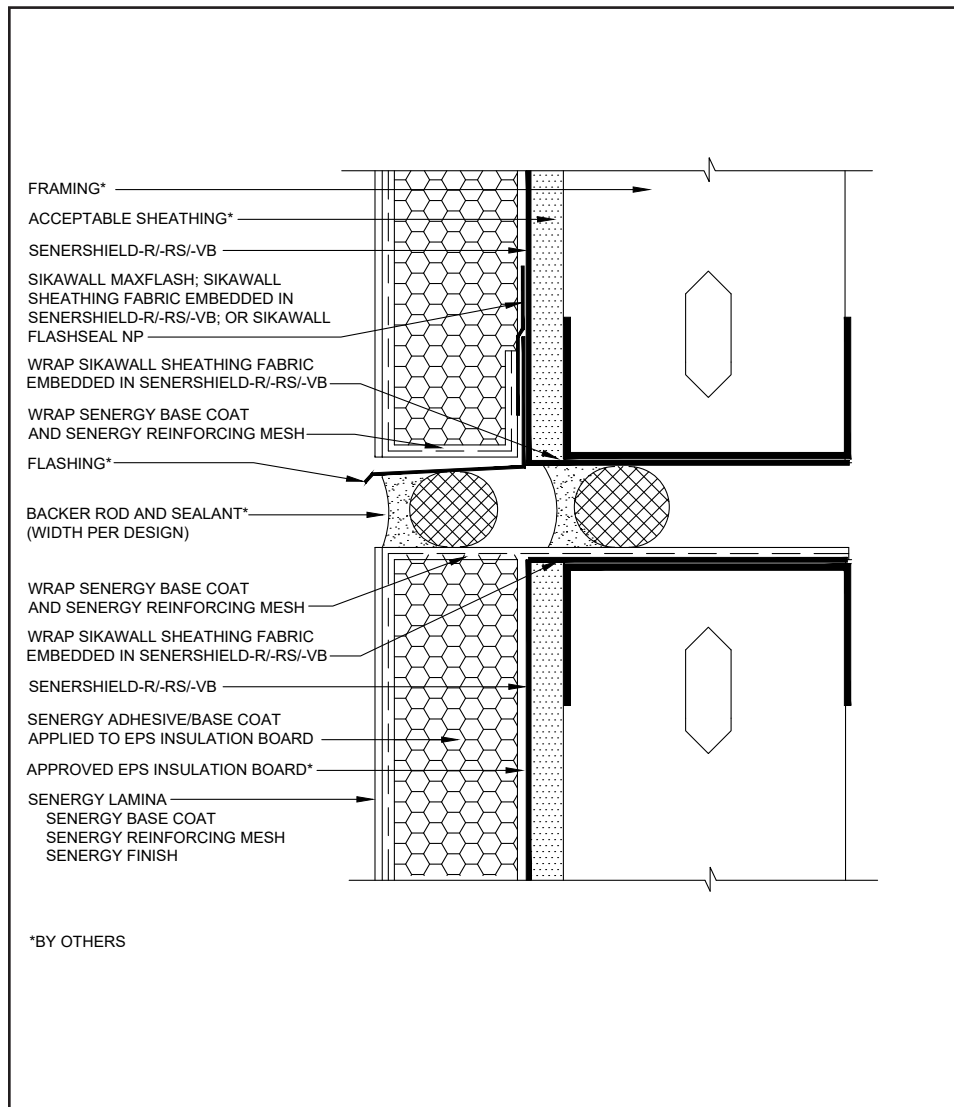
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TYPICAL PANEL TO PANEL JOINT WITH FLASHING



- Pre-backwrapping is recommended at drainage terminations. Extend reinforcing mesh a minimum of 2 1/2" onto back of insulation board.
- Edge wrap Senergy air/water-resistant barrier on to the track using SikaWall Sheathing Fabric.
- Edge wrap Senergy base coat and reinforcing mesh on to the track at non drainage termination only.
- 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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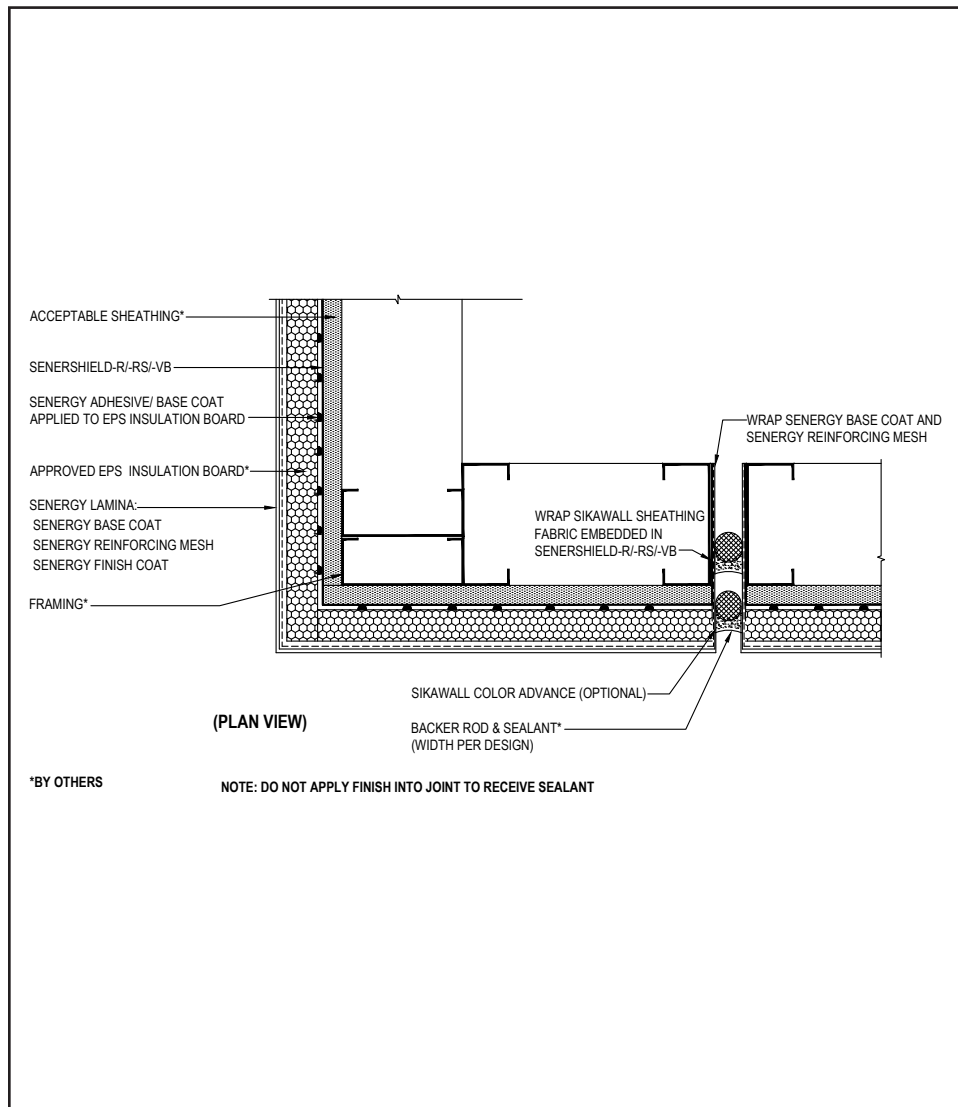
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TYPICAL OUTSIDE CORNER



- 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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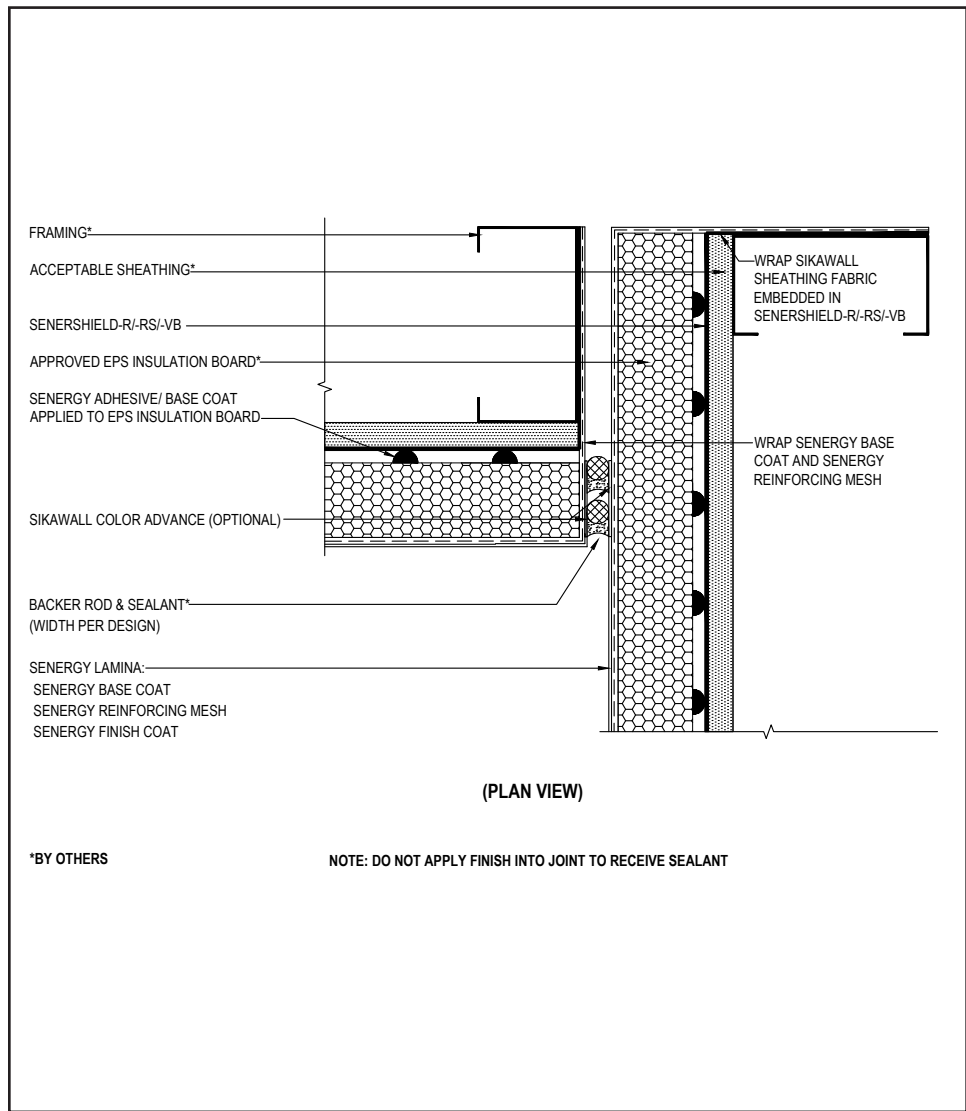
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TYPICAL INSIDE CORNER



- 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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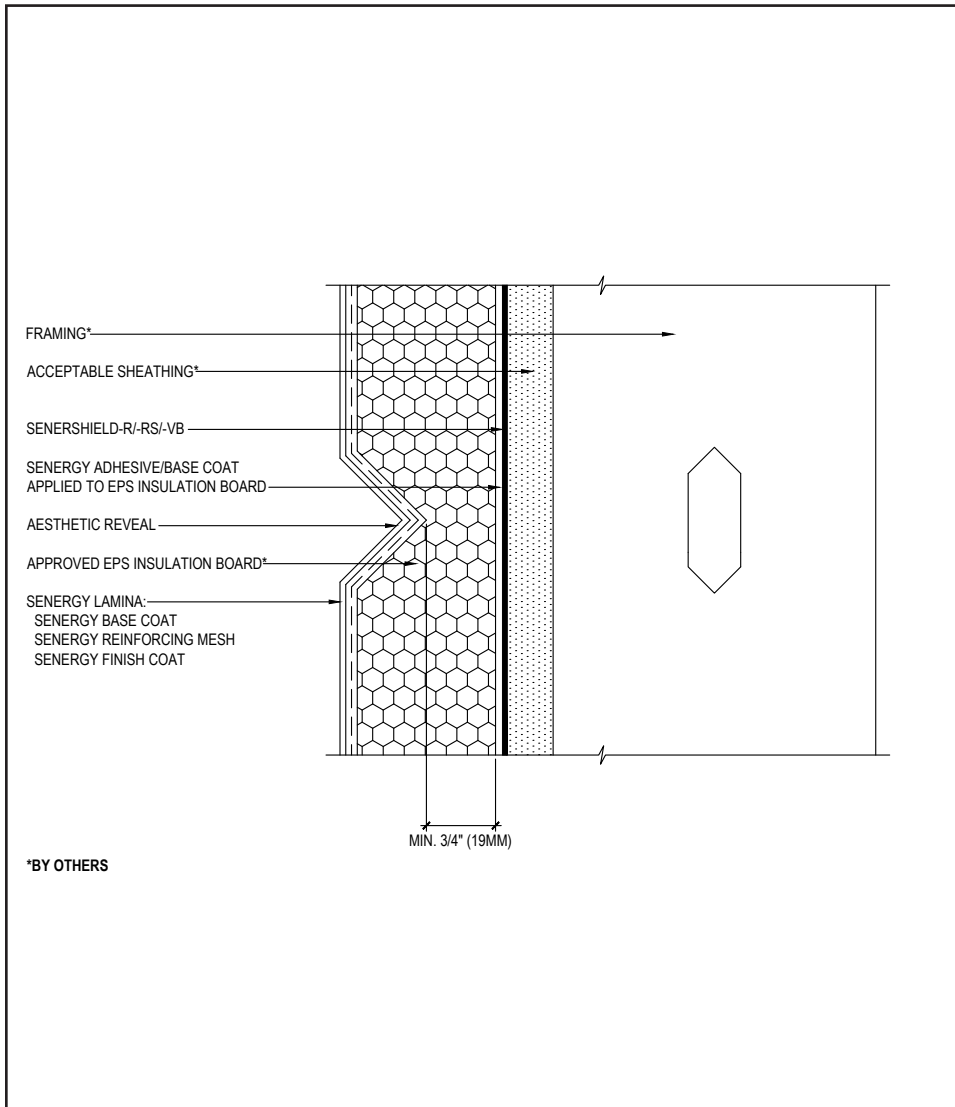
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TYPICAL AESTHETIC REVEAL



- 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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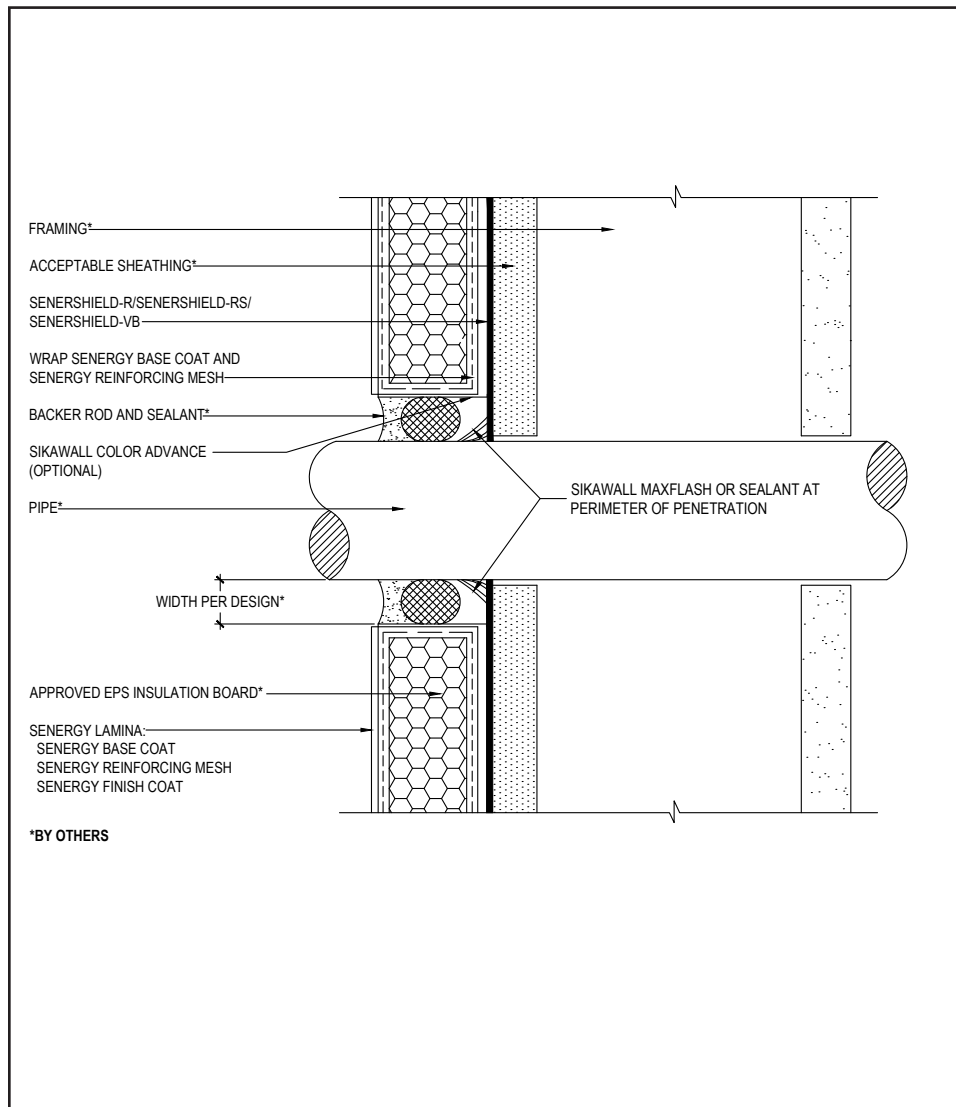
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TYPICAL PIPE PENETRATION



- 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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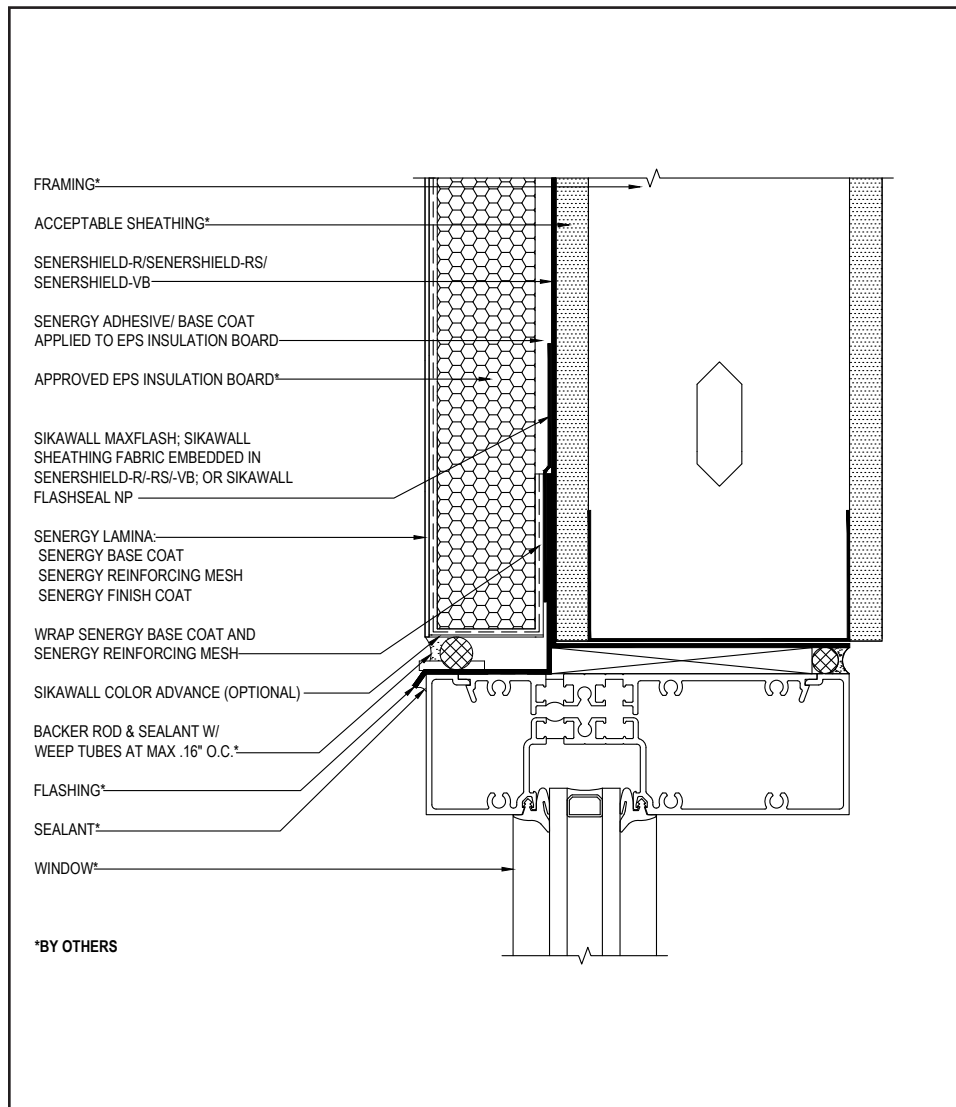
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TYPICAL WINDOW HEAD (FLUSH)



- 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.
- Pre-backwrapping is recommended at drainage terminations. Extend reinforcing mesh a minimum of 2 1/2" onto back of insulation board.
- Ensure a means of drainage is provided at system termination at window head.
- Provide end-dams at flashing termination.
- Consult window and sealant manufacturers to verify window installation, detailing and to ensure no water leakage into the wall assembly.

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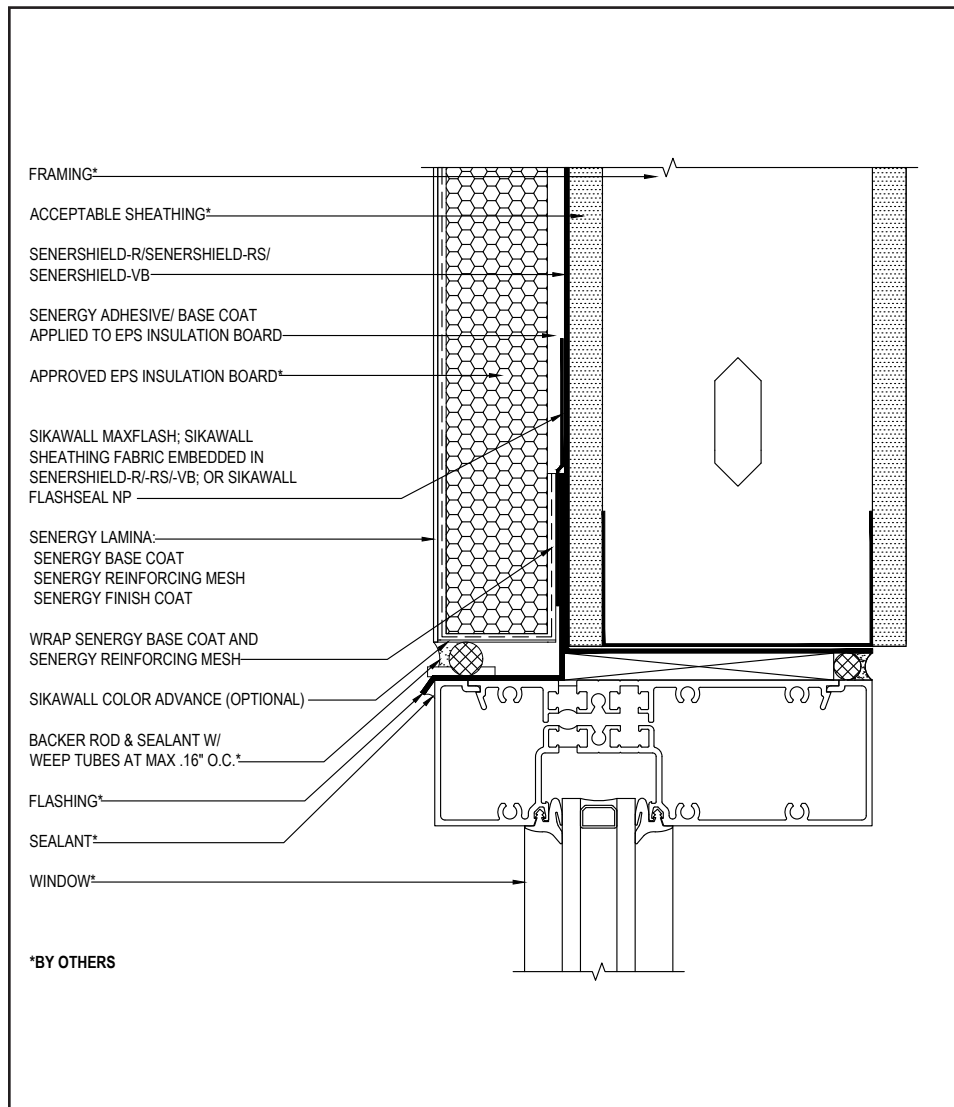
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TYPICAL WINDOW HEAD WITH WEEP TUBES (FLUSH)



- 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.
- Pre-backwrapping is recommended at drainage terminations. Extend reinforcing mesh a minimum of 2 1/2" onto back of insulation board.
- Ensure a means of drainage is provided at system termination at window head.
- Provide end-dams at flashing termination.
- Do not apply finish in to joint that will receive sealant.
- Place weep tubes a maximum 16" (406mm) on center.
- Consult window and sealant manufacturers to verify window installation, detailing and to ensure no water leakage into the wall assembly.

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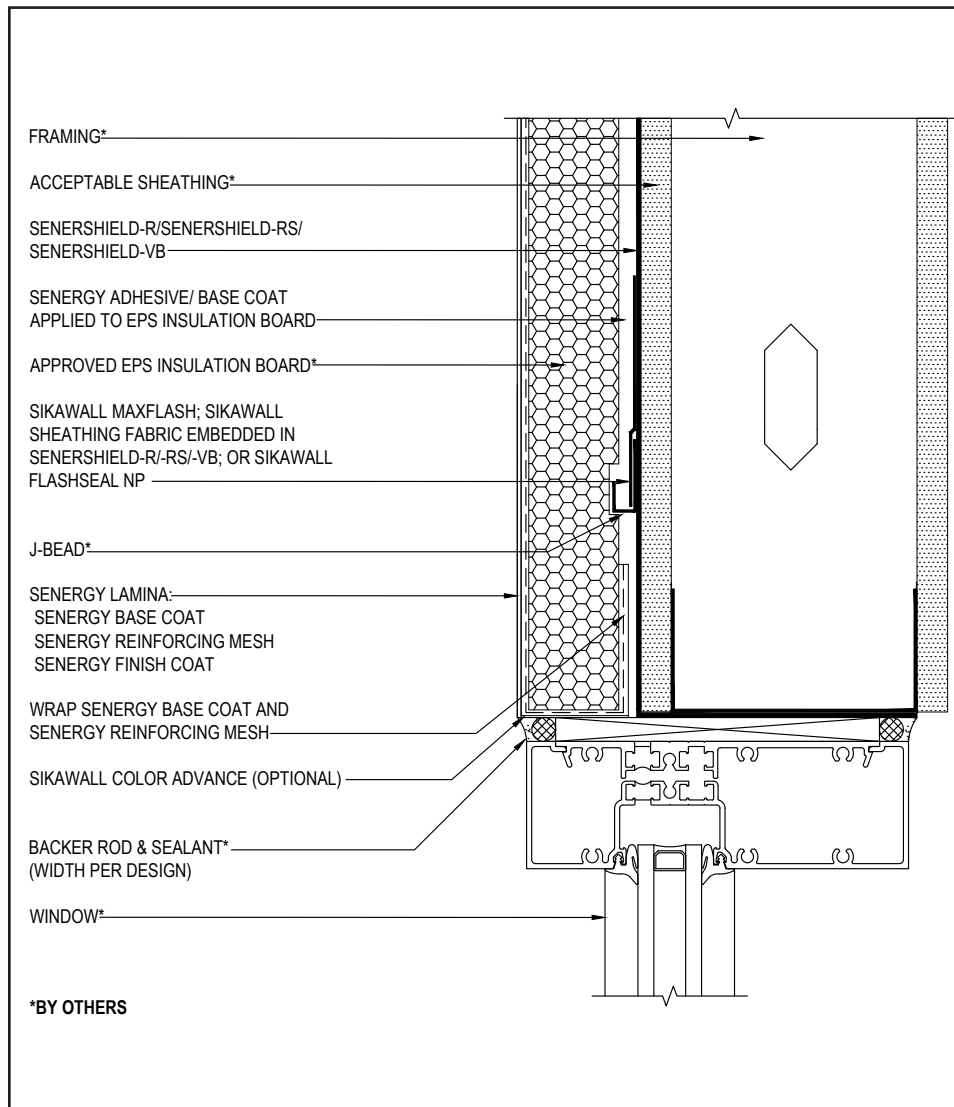
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TYPICAL WINDOW HEAD WITH DIVERTER TRACK (FLUSH)



- 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.
- Diverter Track Flashing Requirements:
 - Extend diverter flashing 6" (152 mm) beyond opening on either side of the opening to allow potential moisture to drain down the wall to the side of the opening.
 - Ensure the flashing is in one piece and does not exceed 10 ft.
 - Ensure the diverter track flashing is sloped 1-2" to provide a means for drainage.
- Pre-backwrapping is recommended at drainage terminations. 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.
- Minimum EPS insulation thickness prior to notching must be no less than 1.5" (38mm). Ensure 3/4" (19mm) EPS thickness is maintained.
- Consult window and sealant manufacturers to verify window installation, detailing and to ensure no water leakage into the wall assembly.

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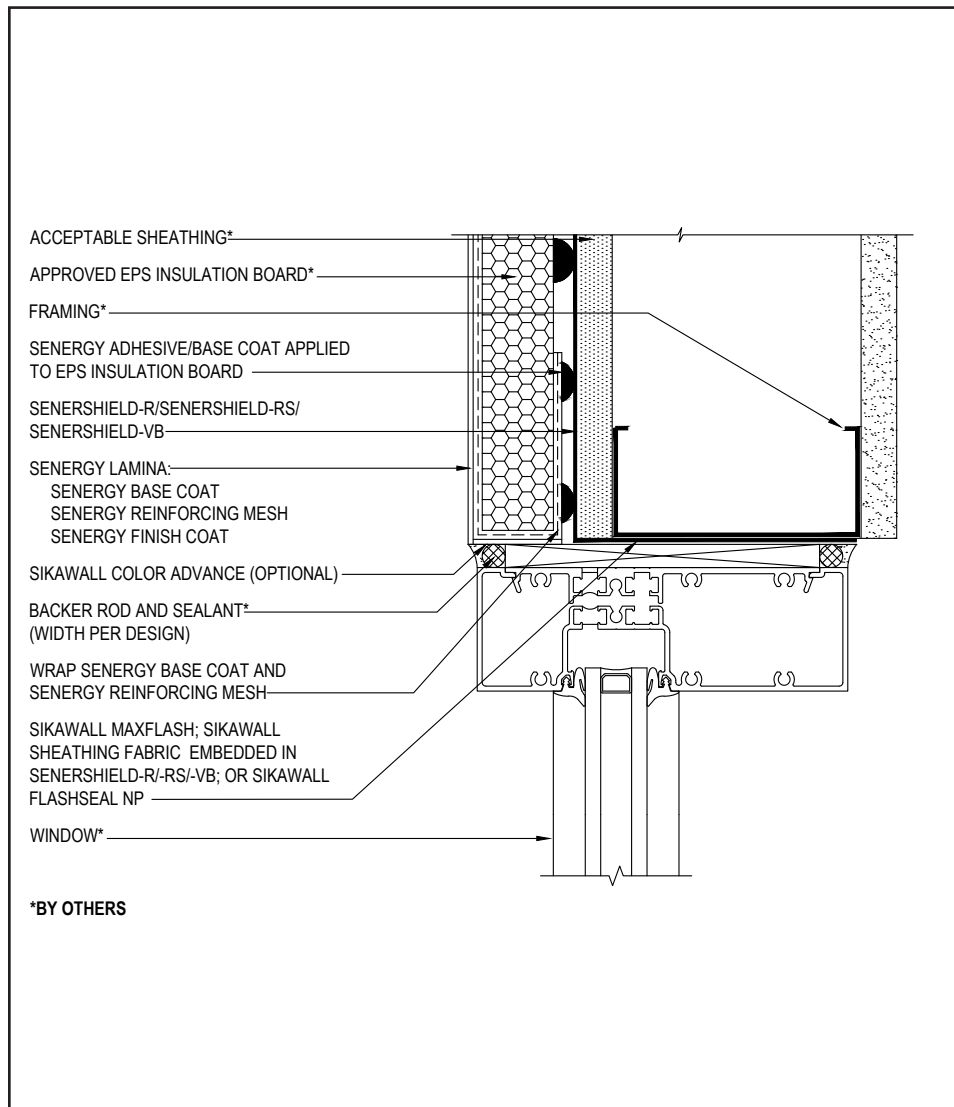
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TYPICAL WINDOW JAMB (FLUSH)



- 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
- 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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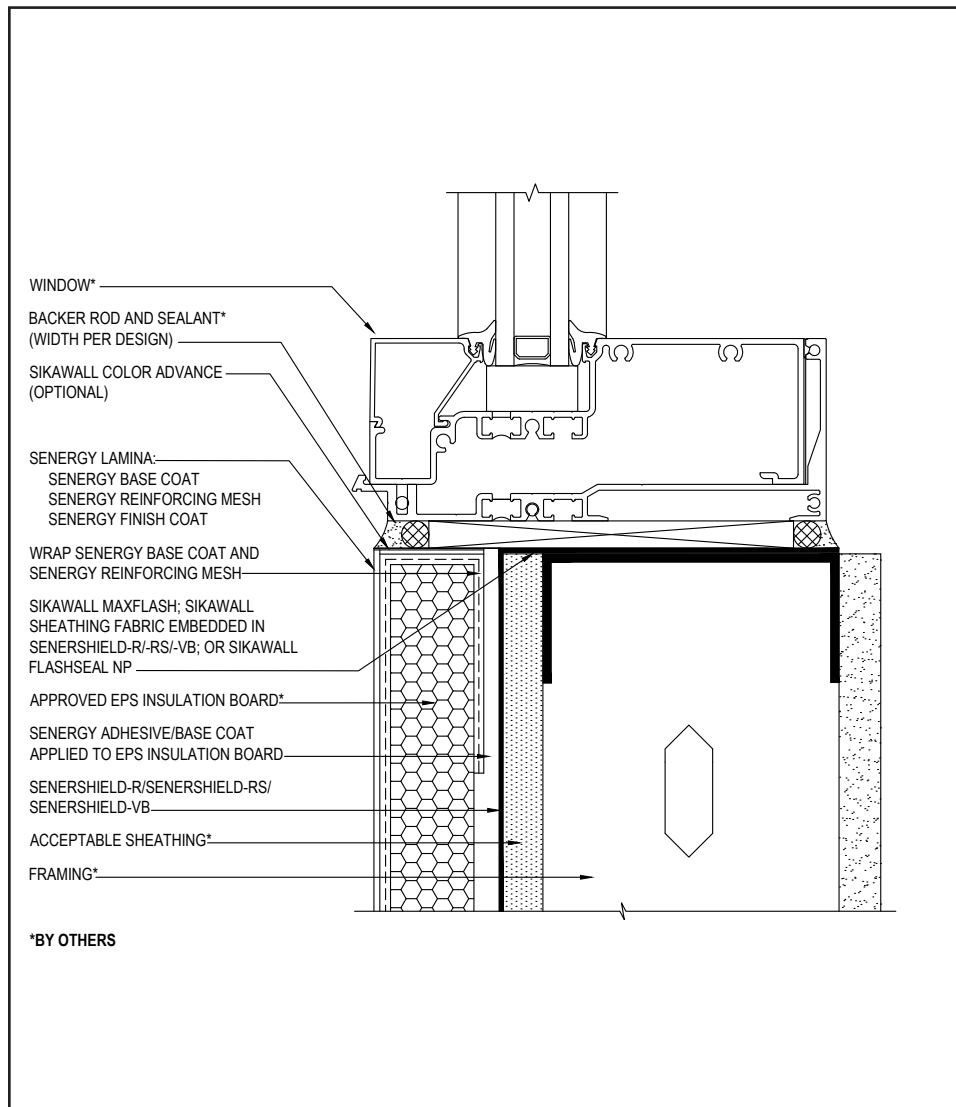
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TYPICAL WINDOW SILL (FLUSH)



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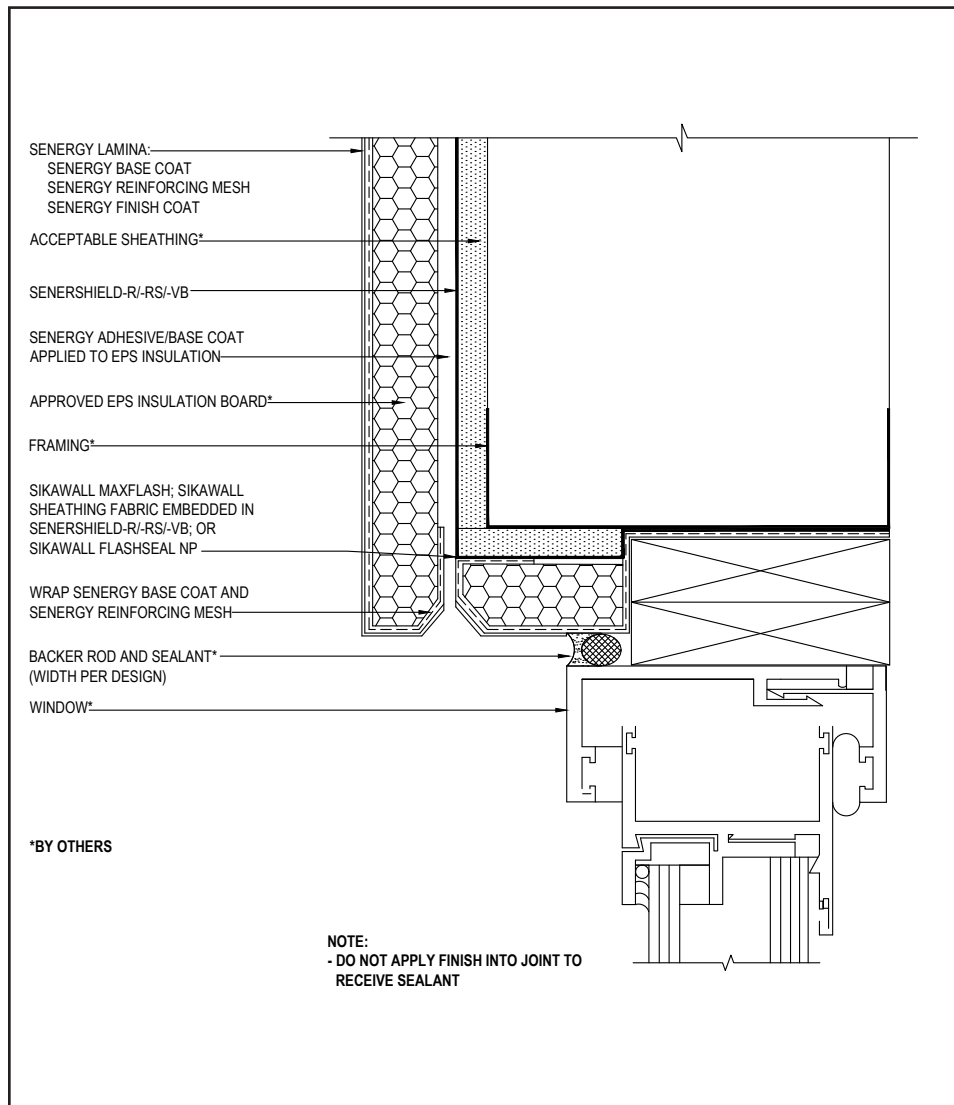
- Prior to window and EPS installation, ensure water-resistive barrier is properly applied into the rough openings in accordance with Senergy application guidelines and code requirements. Reference Senergy Senershield-R/-RS/-VB published typical details.
- All terminations must be fully encapsulated 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 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.
- Pre-backwrapping is recommended at drainage terminations. Extend reinforcing mesh a minimum of 2 1/2" onto back of insulation board.
- Ensure a means of drainage is provided at system termination at window head.
- 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).
- Consult window and sealant manufacturers to verify window installation, detailing and to ensure no water leakage into the wall assembly.

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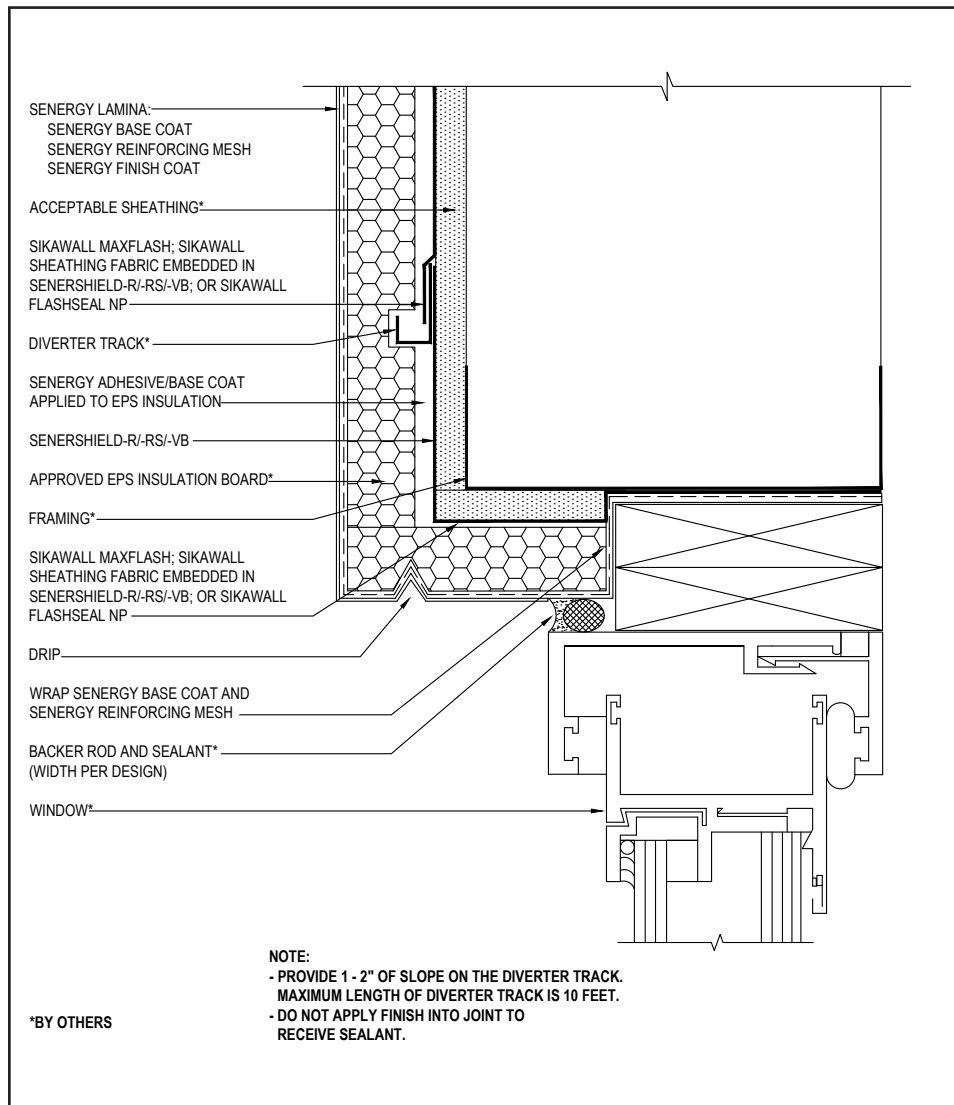
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TYPICAL WINDOW HEAD WITH DIVERTER TRACK (RECESSED)



- 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.
- Diverter Track Flashing Requirements:
 - Extend diverter flashing 6" (152 mm) beyond opening on either side of the opening to allow potential moisture to drain down the wall to the side of the opening.
 - Ensure the flashing is in one piece and does not exceed 10 ft.
 - Ensure the diverter track flashing is sloped 1-2" to provide a means for drainage.
- 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).
- Minimum EPS insulation thickness prior to notching must be no less than 1.5" (38mm). Ensure ¾" (19mm) EPS thickness is maintained.
- Consult window and sealant manufacturers to verify window installation, detailing and to ensure no water leakage into the wall assembly.

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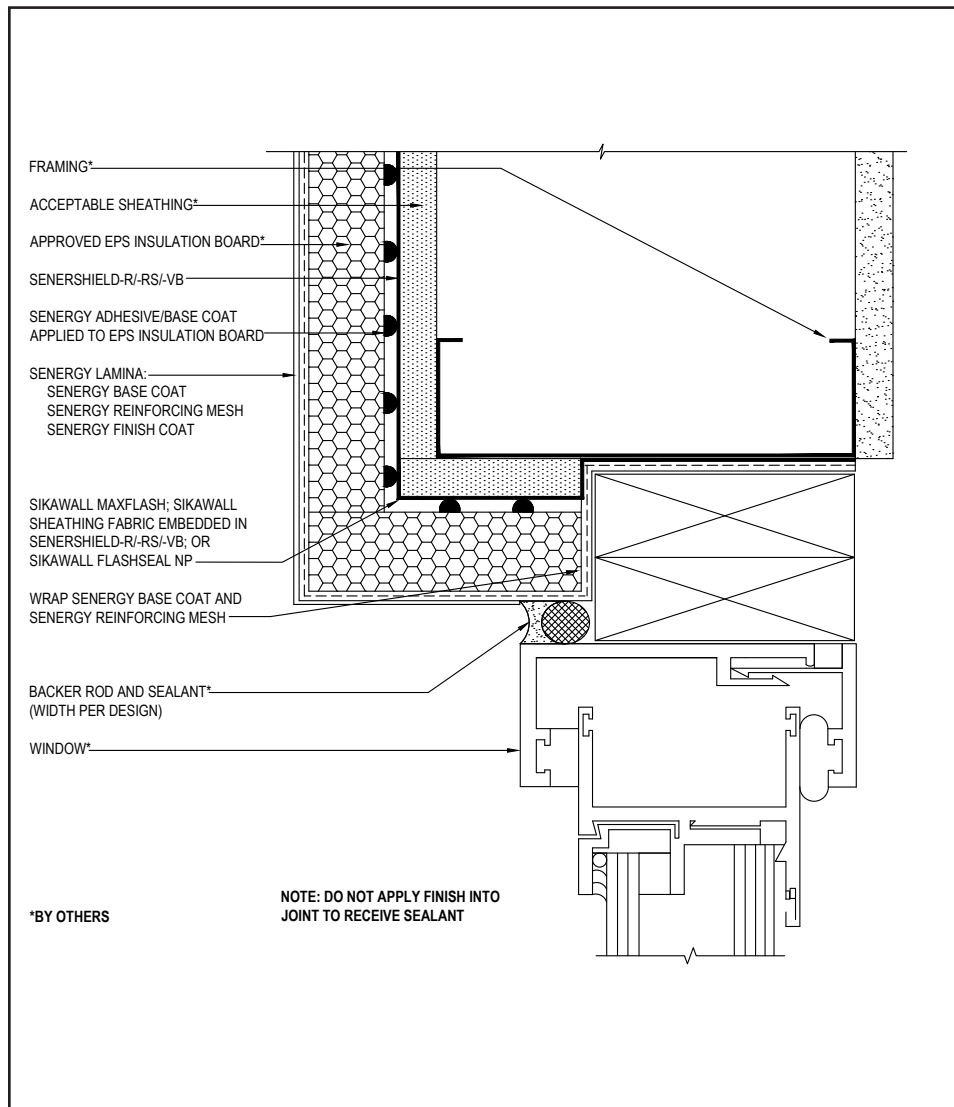
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TYPICAL WINDOW JAMB (RECESSED)



- 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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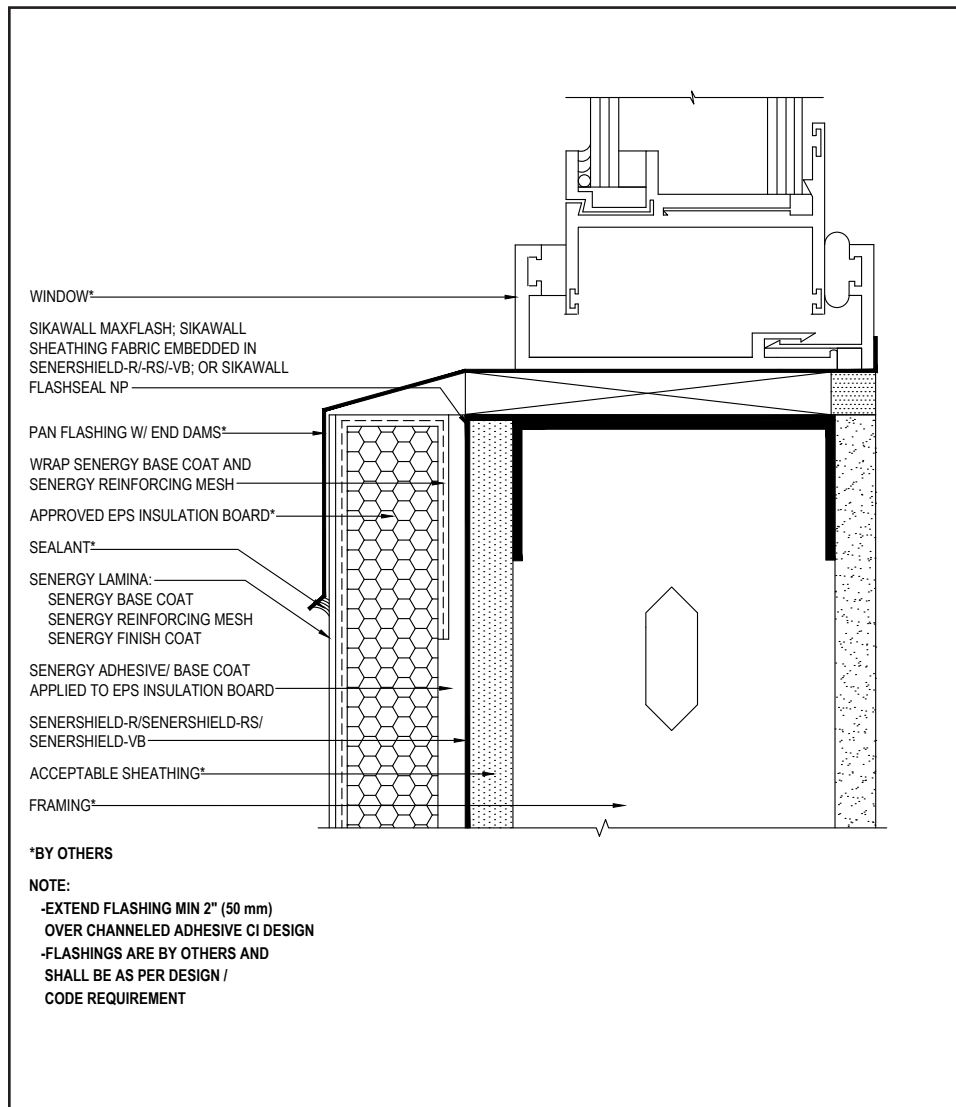
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TYPICAL WINDOW SILL (RECESSED)



- 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 weather barrier 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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LIMITED WARRANTY NOTICE

Prior to each use of any product of Sika Corporation, its subsidiaries or affiliates ("SIKA"), the user must always read and follow the warnings and instructions on the product's most current product label, Product Data Sheet and Safety Data Sheet which are available at usa.sika.com/senergy or by calling our Technical Service Department at +1 (800) 589-1336.

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.

SIKA warrants this product for one year from date of installation to be free from manufacturing defects and to meet the technical properties on the current Product Data Sheet if used as directed within the product's shelf life. User determines suitability of product for intended use and assumes all risks. User's and/or buyer's sole remedy shall be limited to the purchase price or replacement of this product exclusive of any labor costs. NO OTHER WARRANTIES EXPRESS OR IMPLIED SHALL APPLY INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. SIKA SHALL NOT BE LIABLE UNDER ANY LEGAL THEORY FOR SPECIAL OR CONSEQUENTIAL DAMAGES. SIKA SHALL NOT BE RESPONSIBLE FOR THE USE OF THIS PRODUCT IN A MANNER TO INFRINGE ON ANY PATENT OR ANY OTHER INTELLECTUAL PROPERTY RIGHTS HELD BY OTHERS. Sale of SIKA products are subject to the Terms and Conditions of Sale which are available at usa.sika.com.

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