

Cement Board System with Integral Continuous Insulation and Adhered Veneer Typical 2D Details



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### **CBS 1000 CI with MaxGrip Veneer Adhesive**

Typical 2D Details

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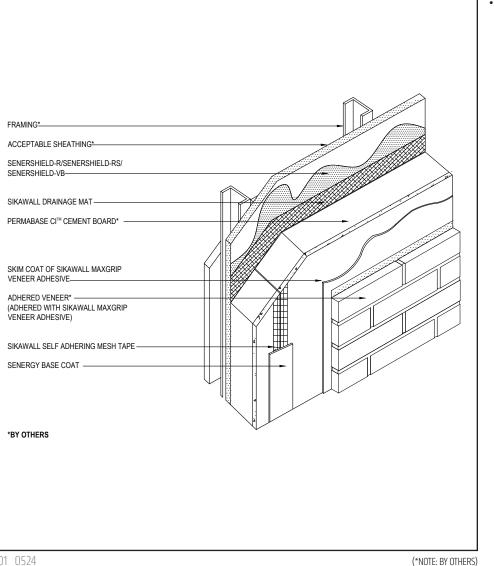
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- Install Sika materials in accordance with current installation instructions.
- Unsatisfactory conditions shall be reported to the General Contractor and corrected before the application of Sika products.
- Adhered veneer shall not exceed 15 lbs. (6.8 kg) per sq. ft.





#### **TYPICAL APPLICATION OVER FRAMING (ISOMETRIC)**



 Adhered veneer shall not exceed 15 lbs. (6.8 kg) per sq. ft.

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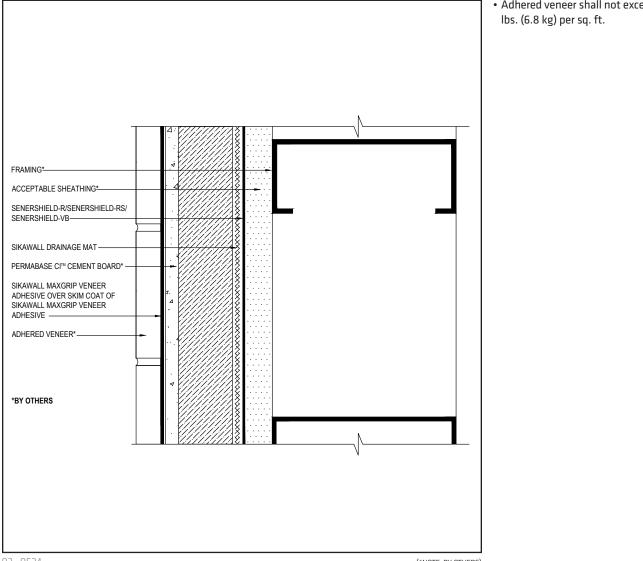
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### **TYPICAL APPLICATION OVER FRAMING (PLAN VIEW)**



### Adhered veneer shall not exceed 15

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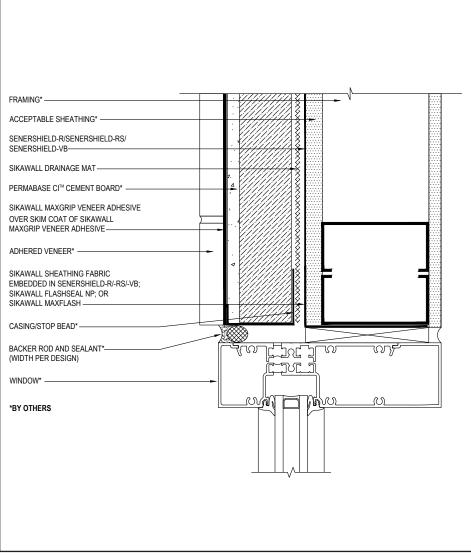
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#### TYPICAL WINDOW JAMB DETAIL WITH CASING BEAD (PLAN VIEW)



- Prior to window and SikaWall Drainage Mat installation, ensure water-resistive barrier is properly applied into the rough openings in accordance with Senergy application guidelines and code requirements. Reference Senergy Senershield published typical details for further information.
- 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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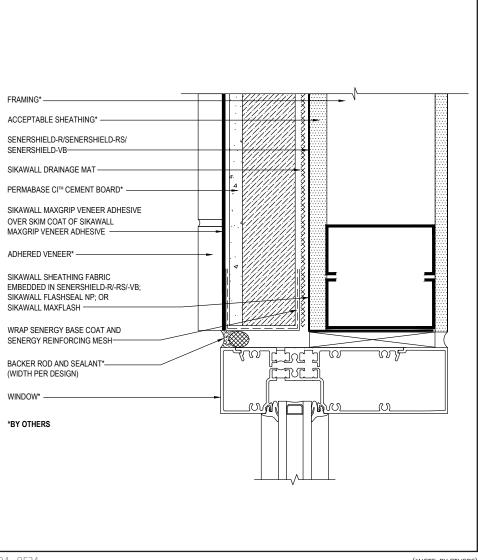
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#### TYPICAL WINDOW JAMB DETAIL WITH BACKWRAP (PLAN VIEW)



- Fully encapsulate system termination with mesh reinforced base coat. Extend reinforcing mesh a minimum of 2<sup>1</sup>/<sub>2</sub>" 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.
- Consult window and sealant manufacturers to verify window installation, detailing and to ensure no water leakage into the wall assembly.

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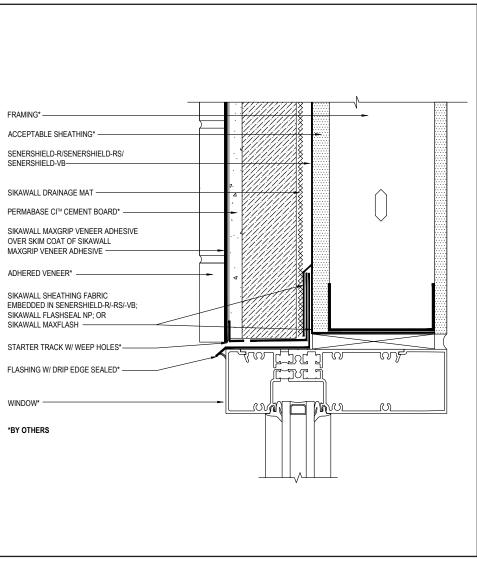
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#### **TYPICAL WINDOW HEAD DETAIL WITH STARTER TRACK**



- 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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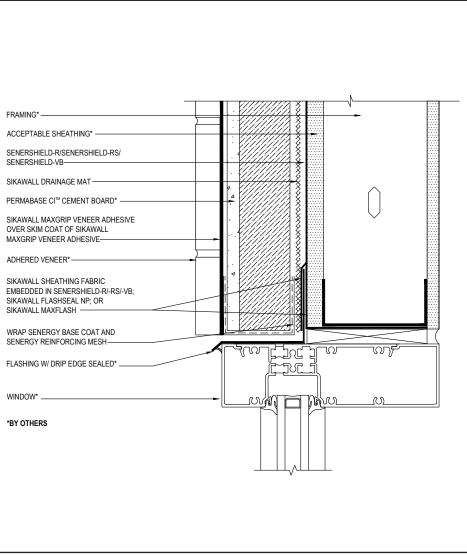
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#### **TYPICAL WINDOW HEAD DETAIL WITH BACKWRAP**



- Fully encapsulate system termination with mesh reinforced base coat. Extend reinforcing mesh a minimum of 2<sup>1</sup>/<sub>2</sub>" 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.
- Provide end-dams at flashing terminations.
- Ensure a means for drainage is provided at system termination at window head.

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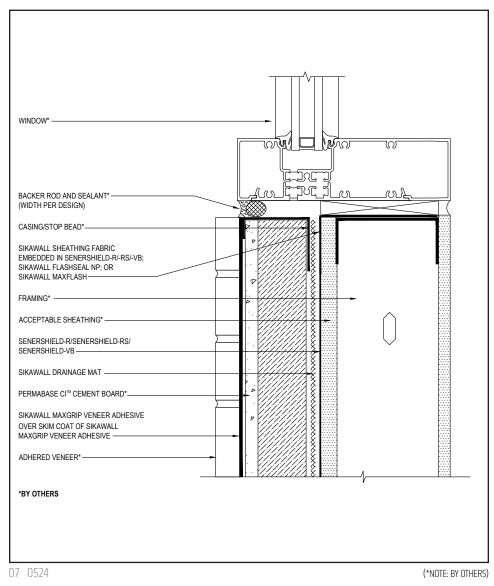
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#### **TYPICAL WINDOW SILL DETAIL WITH CASING BEAD**



- 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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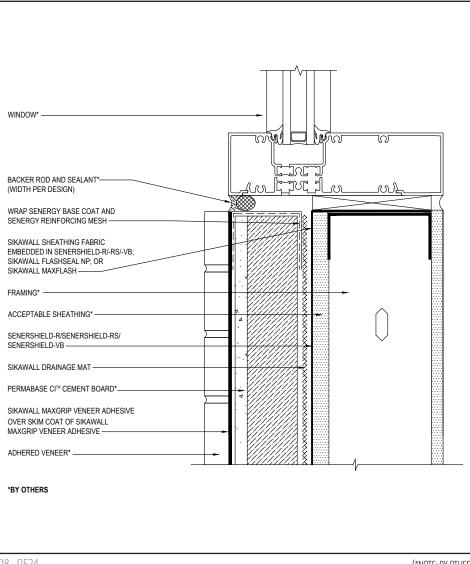
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#### **TYPICAL WINDOW SILL DETAIL WITH BACKWRAP**



- Fully encapsulate system termination with mesh reinforced base coat. Extend reinforcing mesh a minimum of 2<sup>1</sup>/<sub>2</sub>" 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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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

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in construction drawings.

floorline detail).

expansion joint.

sealants.

expansion joint placement, width and design. Detail specific locations

for drainage is provided at every

continuous and unobstructed at

for use with Senergy Wall Systems

Technical Bulletin for a list of

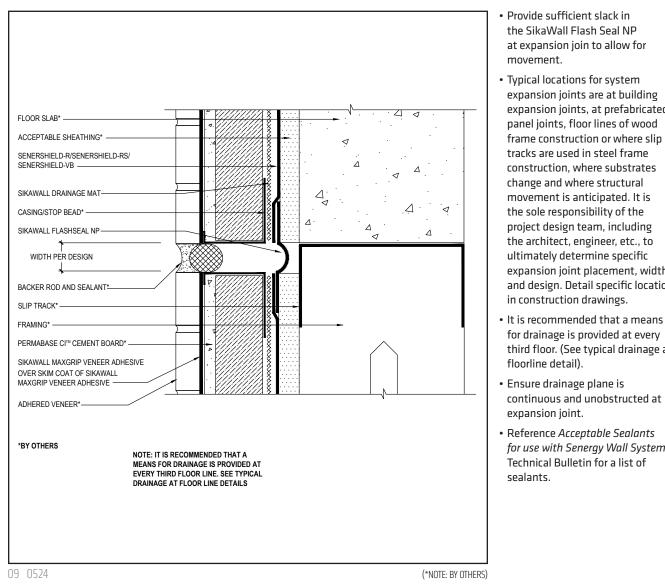
third floor. (See typical drainage at

the sole responsibility of the

movement.

# CBS 1000 CI with MaxGrip Veneer Adhesive

#### **TYPICAL EXPANSION JOINT AT FLOOR LINE WITH CASING BEAD**



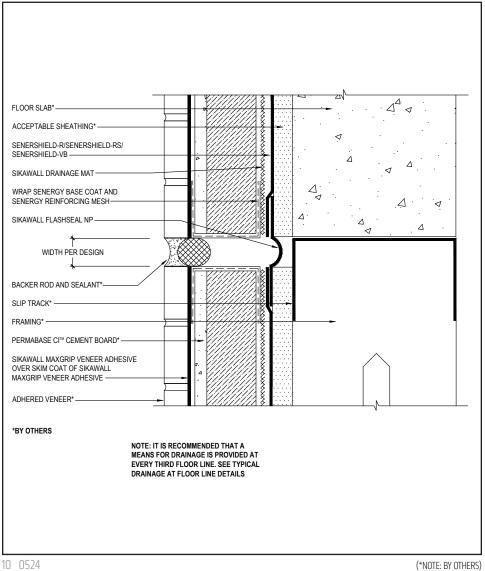
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### **TYPICAL EXPANSION JOINT AT FLOOR LINE WITH BACKWRAP**



- Fully encapsulate system termination with mesh reinforced base coat. Extend reinforcing mesh a minimum of 21/2" onto back of insulation board.
- 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.

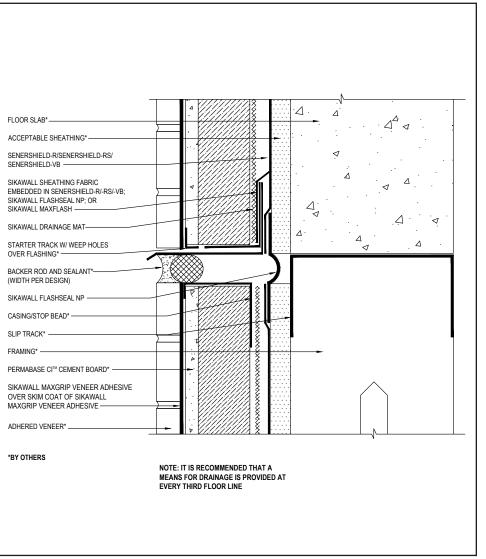
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#### TYPICAL DRAINAGE AT FLOOR LINE WITH STARTER TRACK AND CASING BEAD



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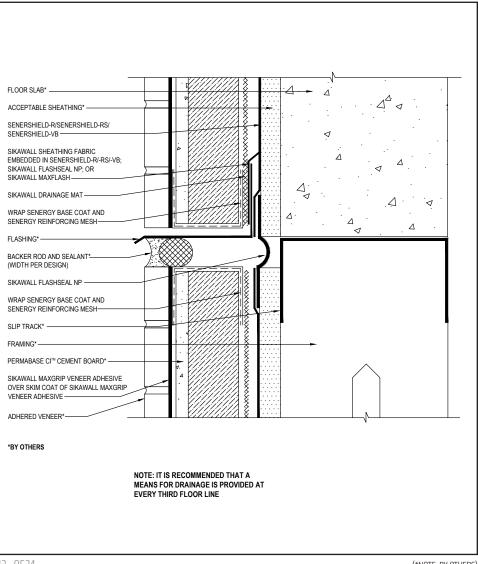
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### **TYPICAL DRAINAGE AT FLOOR LINE WITH BACKWRAP**



- Fully encapsulate system termination with mesh reinforced base coat. Extend reinforcing mesh a minimum of 2<sup>1</sup>/<sub>2</sub>" onto back of insulation board.
- 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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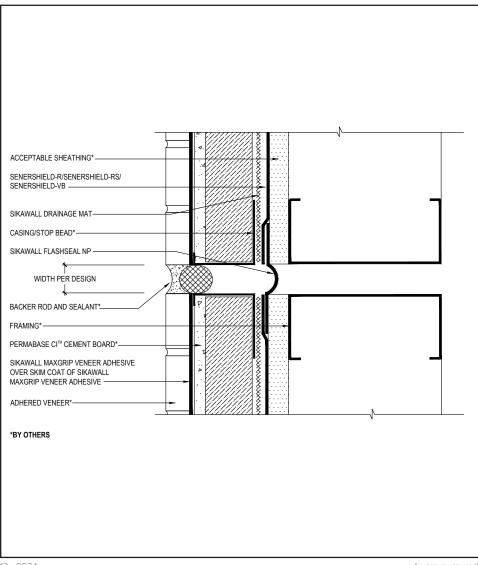
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#### TYPICAL VERTICAL EXPANSION JOINT WITH CASING BEAD (PLAN VIEW)



- 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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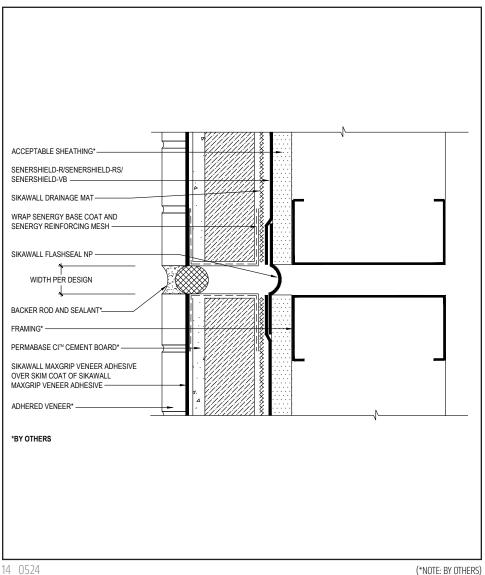
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#### **TYPICAL VERTICAL EXPANSION JOINT** WITH BACKWRAP (PLAN VIEW)



- Fully encapsulate system termination with mesh reinforced base coat. Extend reinforcing mesh a minimum of 21/2" onto back of insulation board.
- 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.

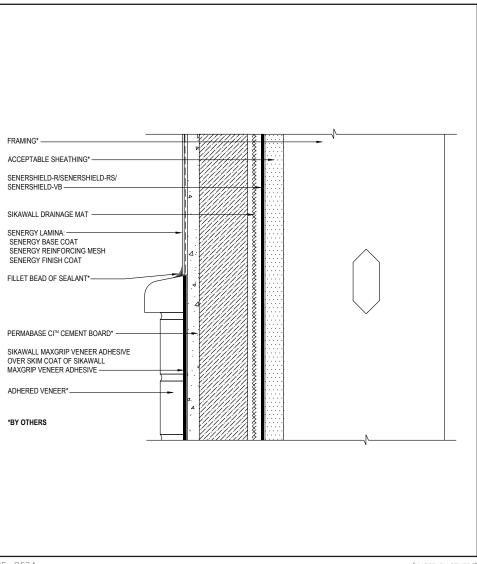
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### **TYPICAL ACRYLIC FINISH TO ADHERED VENEER TRANSITION**



- 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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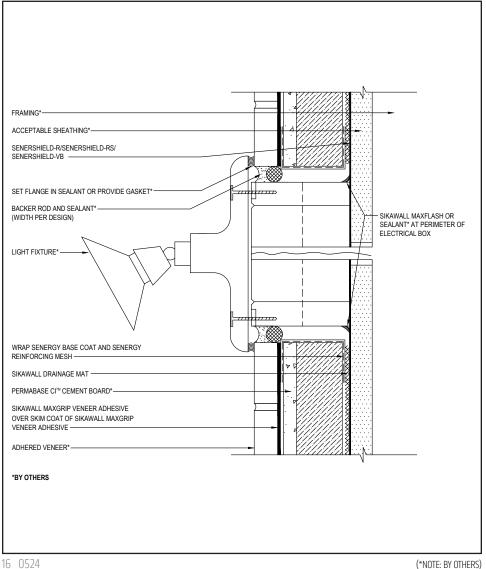
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#### **TYPICAL LIGHT FIXTURE**



- Fully encapsulate system termination with mesh reinforced base coat. Extend reinforcing mesh a minimum of 2<sup>1</sup>/<sub>2</sub>" 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.

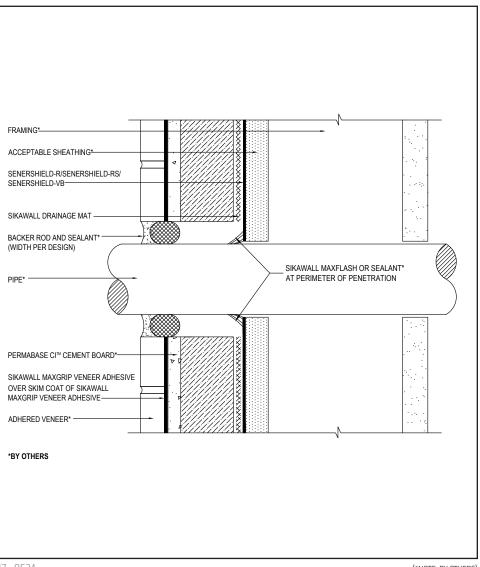
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#### **TYPICAL PIPE PENETRATION**



- 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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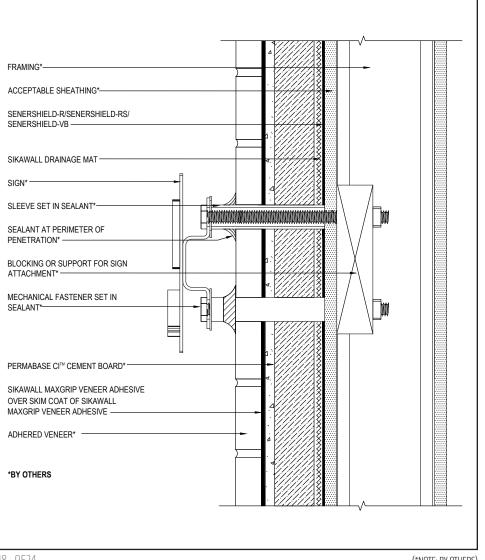
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### **TYPICAL SIGN ATTACHMENT**



 Ensure all fastener penetrations through the system are properly sealed.

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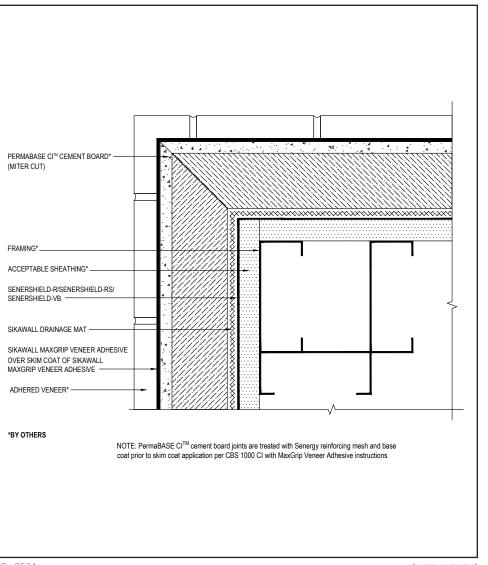
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#### **TYPICAL OUTSIDE CORNER MITER DETAIL (PLAN VIEW)**



 PermaBase CI cement board joints must be treated with Senergy reinforcing mesh and base coat prior to skim coat application of MaxGrip Veneer Adhesive.

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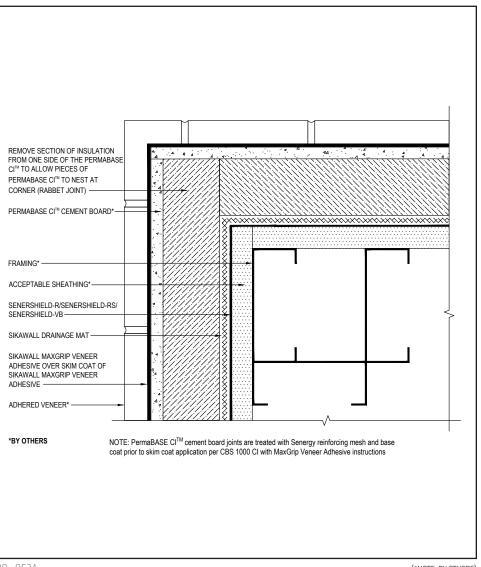
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### **TYPICAL OUTSIDE CORNER DETAIL RABBET JOINT (PLAN VIEW)**



 PermaBase CI cement board joints must be treated with Senergy reinforcing mesh and base coat prior to skim coat application of MaxGrip Veneer Adhesive.

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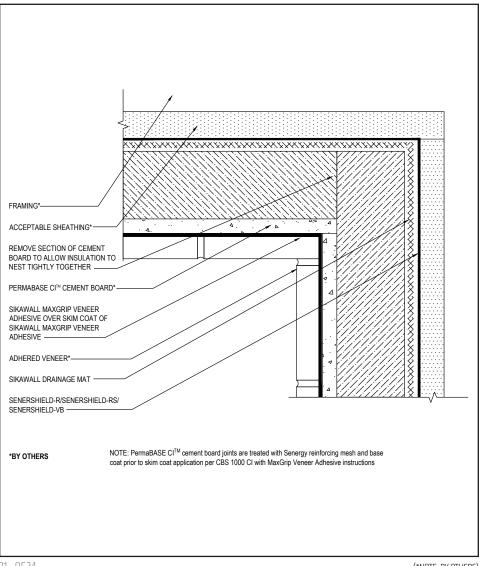
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#### **TYPICAL INSIDE CORNER DETAIL**



 PermaBase CI cement board joints must be treated with Senergy reinforcing mesh and base coat prior to skim coat application of MaxGrip Veneer Adhesive.

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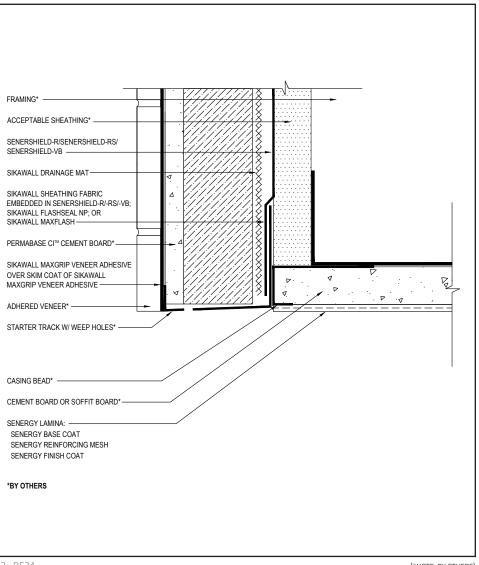
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#### **TYPICAL FASCIA/SOFFIT**



- 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.
- Note that MaxGrip is not for use on overhead application.

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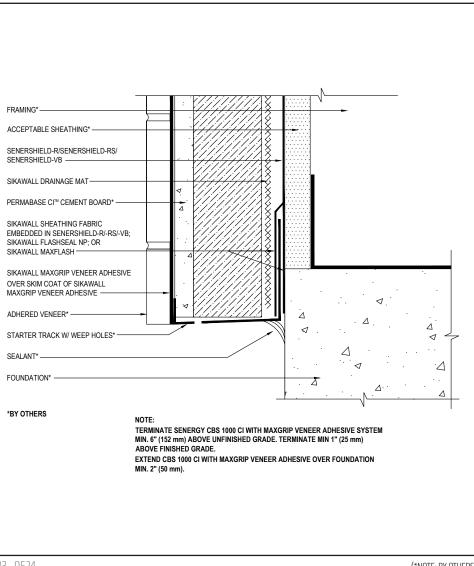
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#### **TYPICAL TERMINATION AT FOUNDATION**



- Terminate the CBS 1000 CI with MaxGrip 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.

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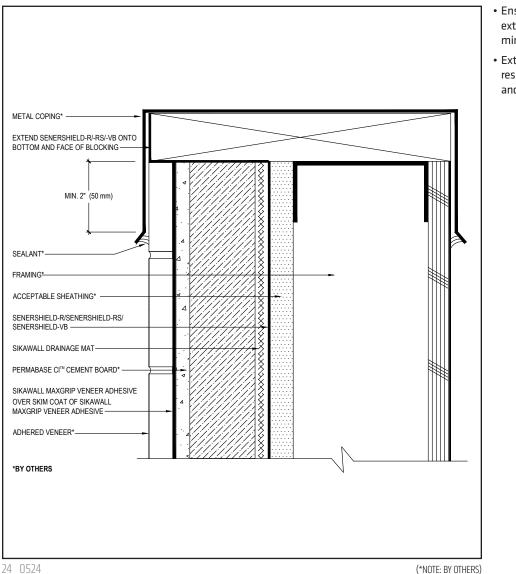
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#### TYPICAL METAL COPING DETAIL



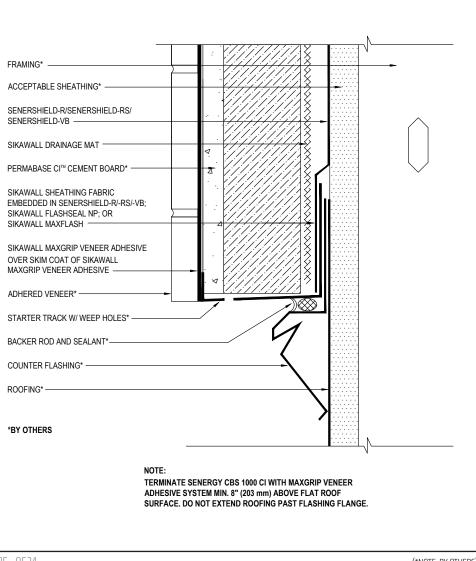
- Ensure that coping/ flashing extends over the system a minimum of 2" (50 mm).
- Extend the Senergy air/waterresistive barrier on to the bottom and face of blocking.

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#### **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.

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