

Cement Board System with Integral Continuous Insulation

Typical 2D Details







## Typical 2D Details

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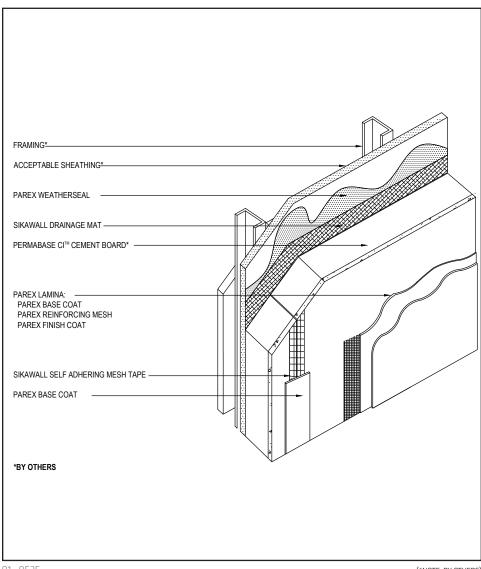
#### Notes:

- The details within are the latest recommendations and are represent in good faith by Sika Corporation US (hereinafter Sika). The details are subject to change without notice. Sika accepts no liability for the end use of the details. For conditions not shown, consult Sika for review of specific details.
- 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.





## **TYPICAL NUTECH STUCCO CI SYSTEM (ISOMETRIC)**



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

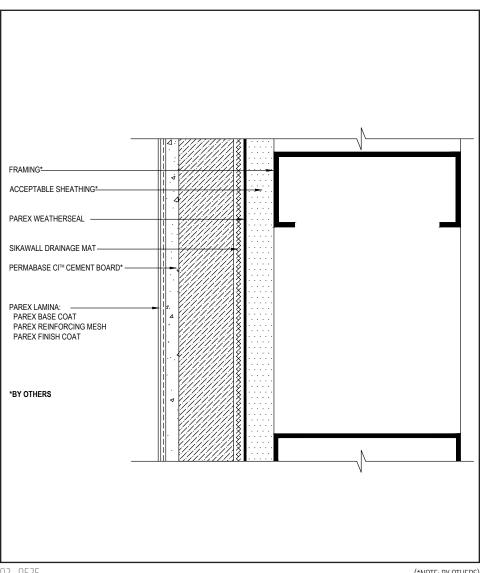
01 0525 (\*NOTE: BY OTHERS)

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## **TYPICAL NUTECH STUCCO CI SYSTEM (PLAN VIEW)**



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

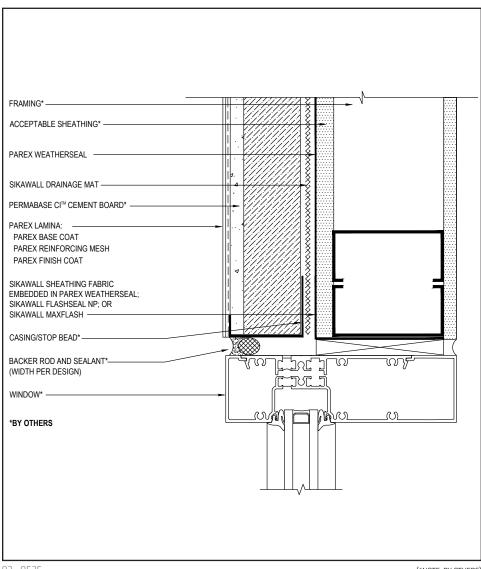
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## TYPICAL WINDOW JAMB DETAIL WITH CASING BEAD (PLAN VIEW)



- Prior to window and SikaWall
   Drainage Mat installation, ensure water-resistive barrier is properly applied into the rough openings in accordance with Parex application guidelines and code requirements.

   Reference Parex WeatherSeal published typical details for further information.
- Reference Acceptable Sealants for use with Parex 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.

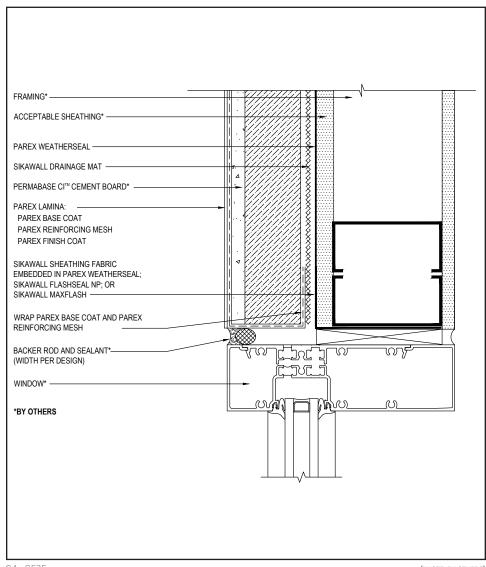
03 0525 (\*NOTE: BY OTHERS)

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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 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 Parex application guidelines and code requirements.

   Reference Parex WeatherSeal 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 Parex 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.

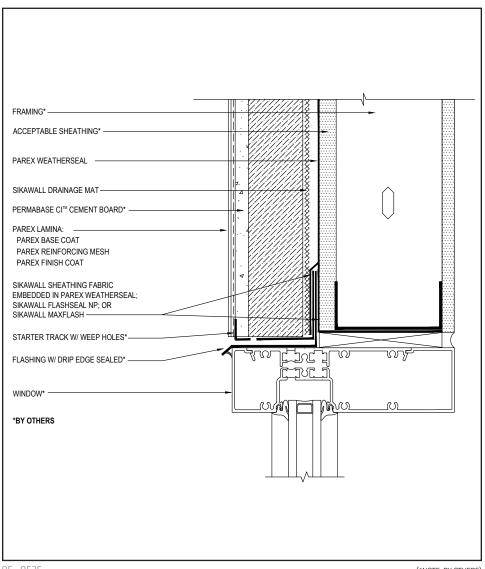
04 0525 (\*NOTE: BY OTHERS)

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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 Parex application guidelines and code requirements.

   Reference Parex WeatherSeal 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.

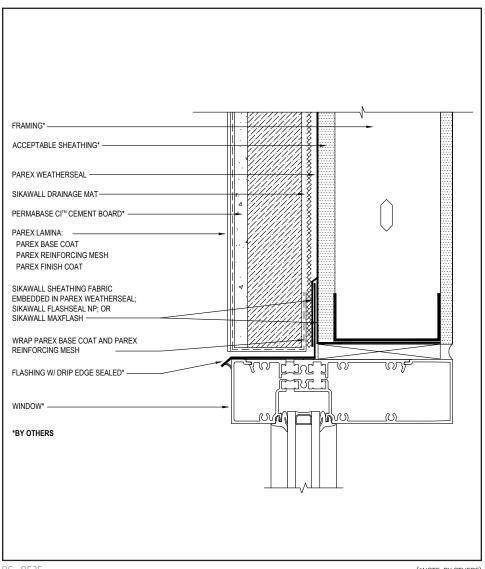
05 0525 (\*NOTE: BY OTHERS)

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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 Parex application
   guidelines and code requirements.
   Reference Parex Parex WeatherSeal
   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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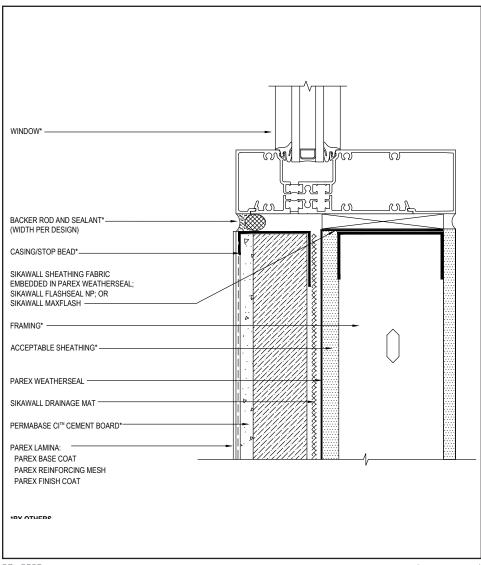
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### TYPICAL WINDOW SILL DETAIL WITH CASING BEAD



- Prior to window and SikaWall
   Drainage Mat installation, ensure water-resistive barrier is properly applied into the rough openings in accordance with Parex application guidelines and code requirements.

   Reference Parex WeatherSeal 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.

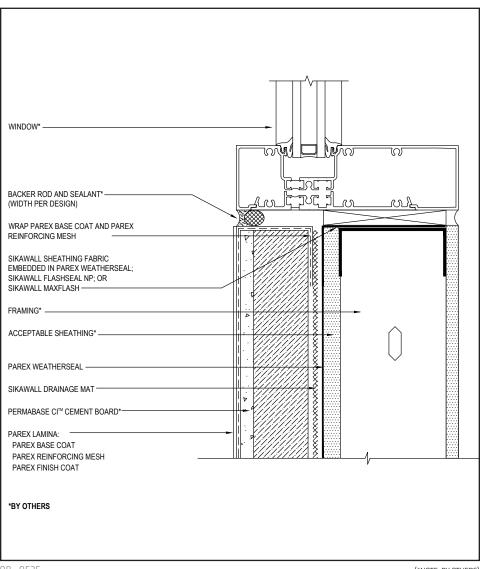
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#### TYPICAL WINDOW SILL DETAIL WITH BACKWRAP



- 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
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   information.
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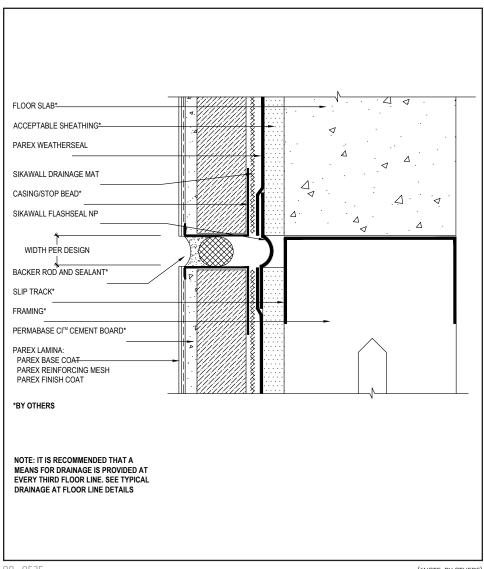
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## TYPICAL EXPANSION JOINT AT FLOOR LINE WITH CASING BEAD



- 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 Parex Wall Systems Technical Bulletin for a list of sealants

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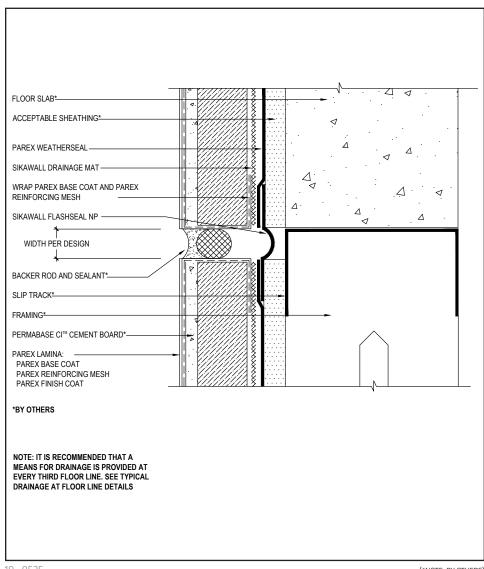
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## TYPICAL EXPANSION JOINT AT FLOOR LINE WITH BACKWRAP



- 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 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.
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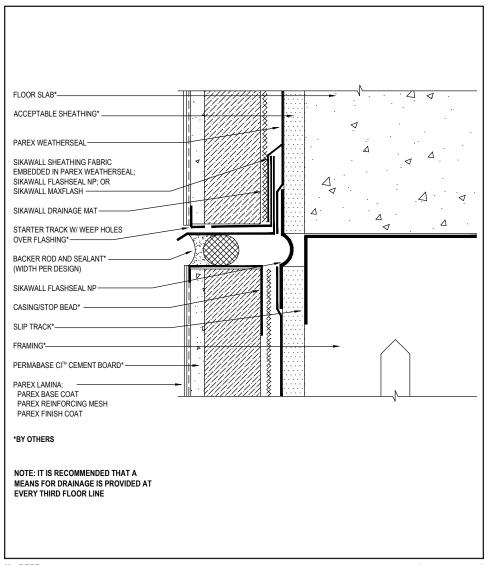
10 0525 (\*NOTE: BY OTHERS)

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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.
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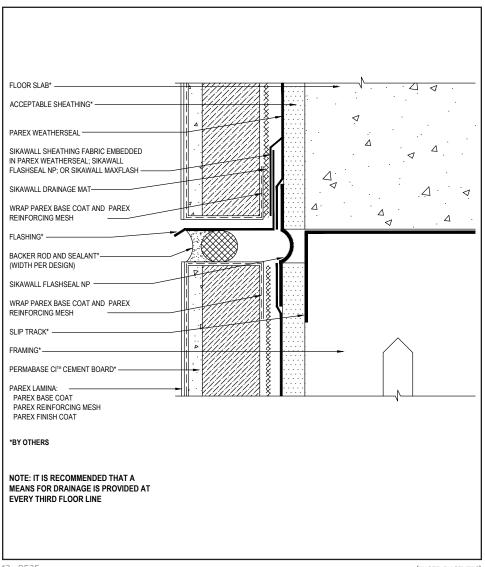
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### TYPICAL DRAINAGE AT FLOOR LINE WITH BACKWRAP



- Fully encapsulate system termination with mesh reinforced base coat. Extend reinforcing mesh a minimum of 2 ½" onto back of insulation board.
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- 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).
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- Ensure drainage plane is continuous and unobstructed at expansion joint.
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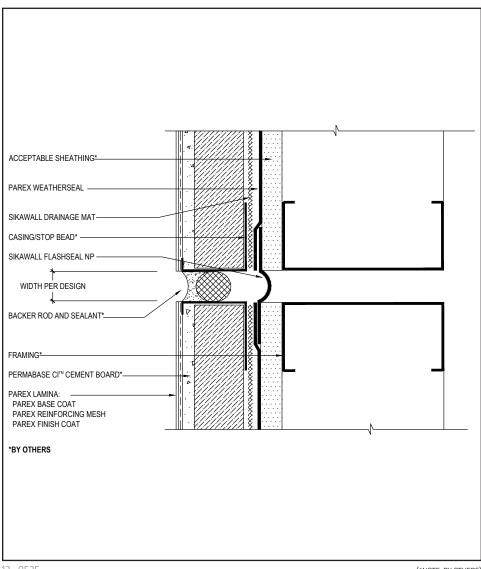
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# TYPICAL VERTICAL EXPANSION JOINT WITH CASING BEAD (PLAN VIEW)



- 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 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).
- Do not apply finish to areas that will receive sealant.
- Ensure drainage plane is continuous and unobstructed at expansion joint.
- Reference Acceptable Sealants for use with Parex Wall Systems Technical Bulletin for a list of sealants.

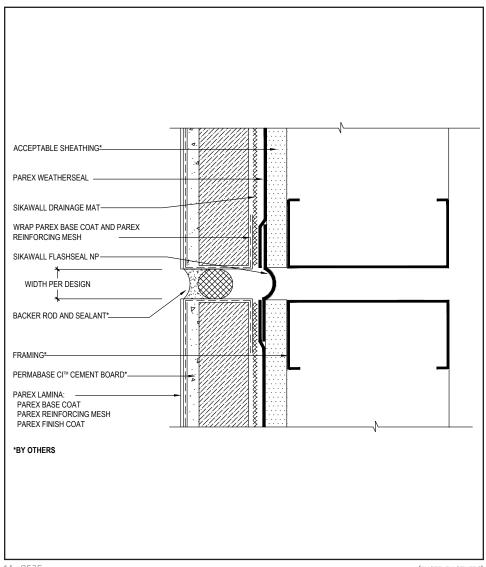
13 0525 (\*NOTE: BY OTHERS)

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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 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 Parex Wall Systems Technical Bulletin for a list of sealants.

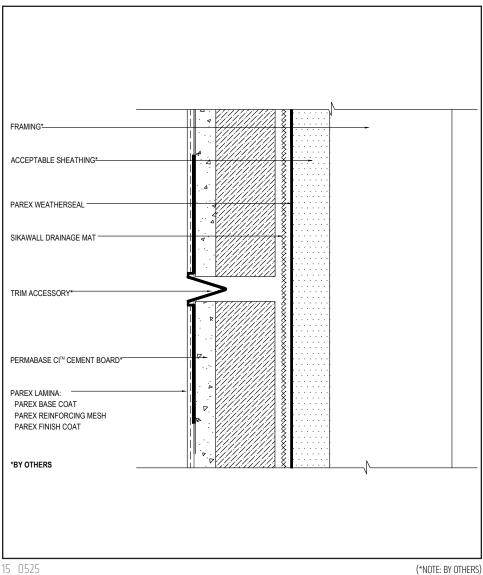
14 0525 (\*NOTE: BY OTHERS)

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## **TYPICAL CONTROL JOINT - REVEAL 1**



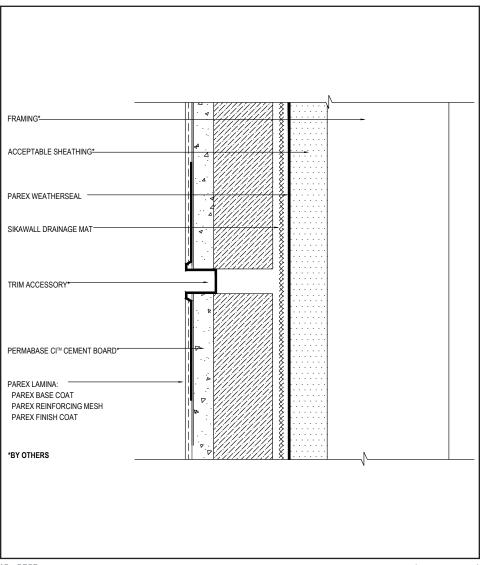
· Locate control joints approximately every 600 ft.2 (56 m2) of wall surface area with maximum uncontrolled length or width of 24 lin. ft. (7 m) and a maximum uncontrolled length-to-width ratio of 2 ½:1.

- Install Sika materials in accordance with current installation instructions.
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## **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.

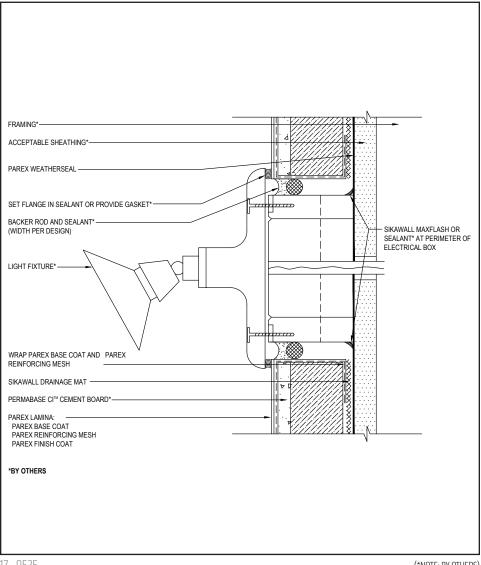
16 0525 (\*NOTE: BY OTHERS)

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#### TYPICAL LIGHT FIXTURE



- Fully encapsulate system termination with mesh reinforced base coat. Extend reinforcing mesh a minimum of 2 ½" 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 Sealantsfor use with Parex WeatherSeal Technical Bulletin for a list of sealants.

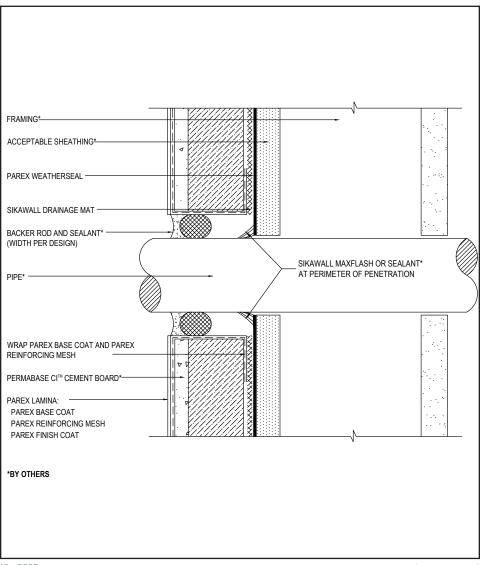
17 0525 (\*NOTE: BY OTHERS)

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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.

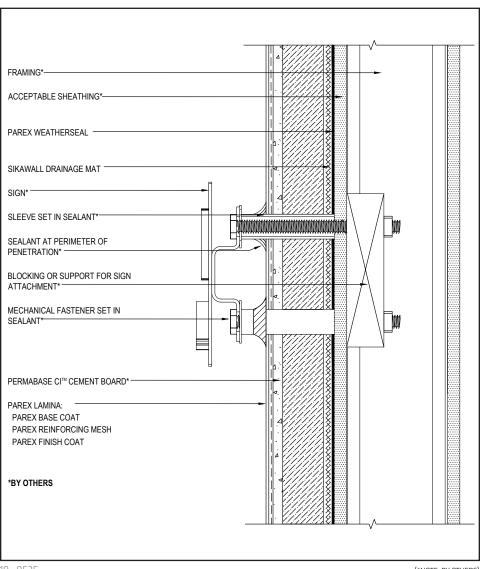
18 0525 (\*NOTE: BY OTHERS)

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## **TYPICAL SIGN ATTACHMENT**



 Ensure all fastener penetrations through the system are properly sealed.

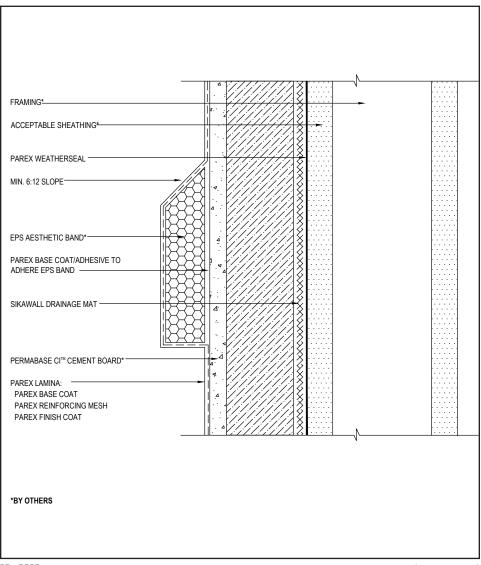
19 0525 (\*NOTE: BY OTHERS)

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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.

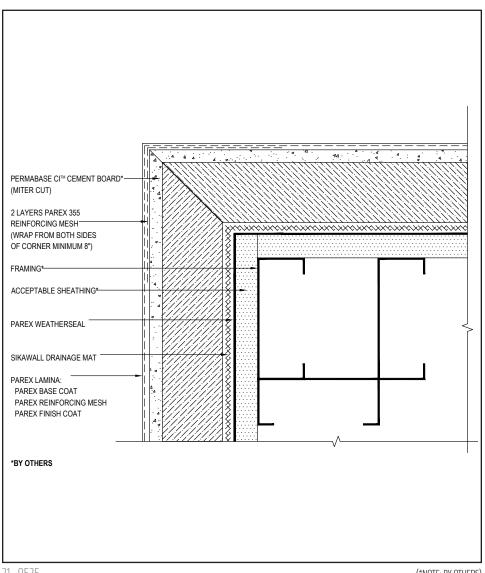
20 0525 (\*NOTE: BY OTHERS)

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



 Ensure Parex 355 Standard Reinforcing Mesh is lapped a minimum of 8" (203 mm) around corner on both sides.

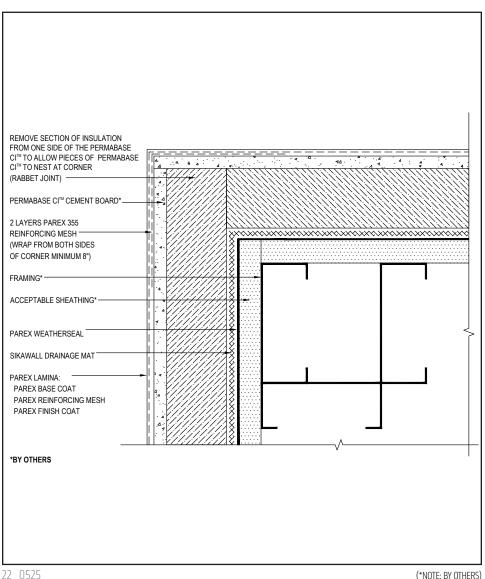
21 0525 (\*NOTE: BY OTHERS)

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



• Ensure Parex 355 Standard Reinforcing Mesh is lapped a minimum of 8" (203 mm) around corner on both sides.

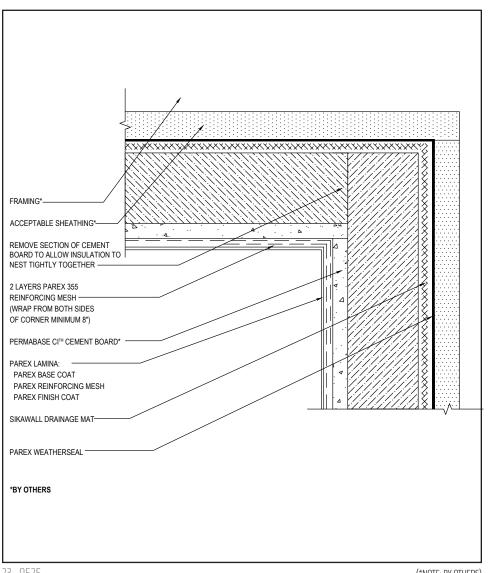
(\*NOTE: BY OTHERS)

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### TYPICAL INSIDE CORNER DETAIL



 Ensure Parex 355 Standard Reinforcing Mesh is lapped a minimum of 8" (203 mm) around corner on both sides.

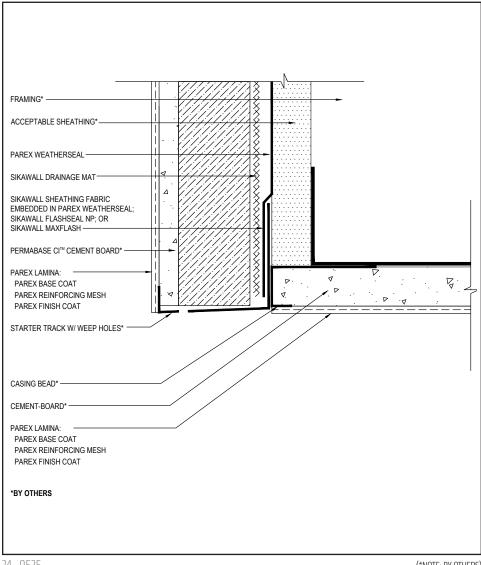
23 0525 (\*NOTE: BY OTHERS)

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## **TYPICAL FASCIA/SOFFIT**



- Ensure a means for drainage is provided at system termination at soffit.
- Extend Parex WeatherSeal a minimum of 4" (100mm) onto soffit. If necessary for air barrier continuity Parex WeatherSeal can be applied over entire soffit.
- Reference Parex Finishing System for Soffits and Ceilings published literature for additional information.

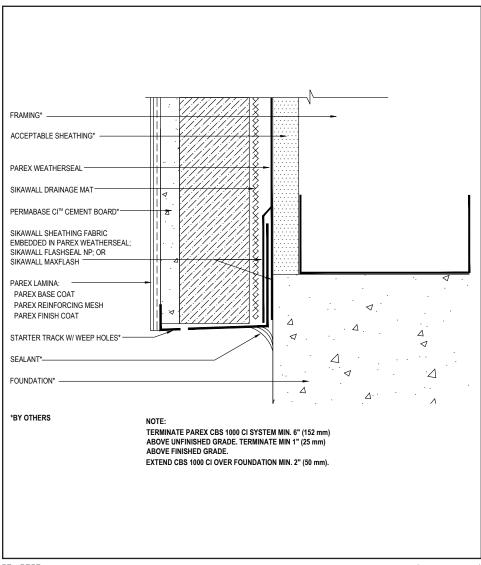
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#### TYPICAL TERMINATION AT FOUNDATION



- Terminate the NuTech Stucco 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.

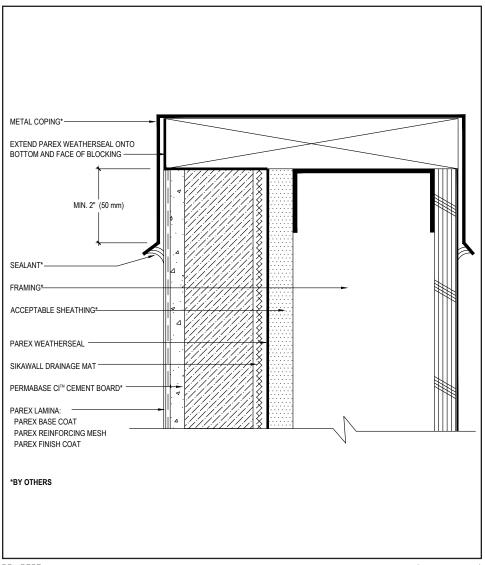
25 0525 (\*NOTE: BY OTHERS)

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### TYPICAL METAL COPING DETAIL



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

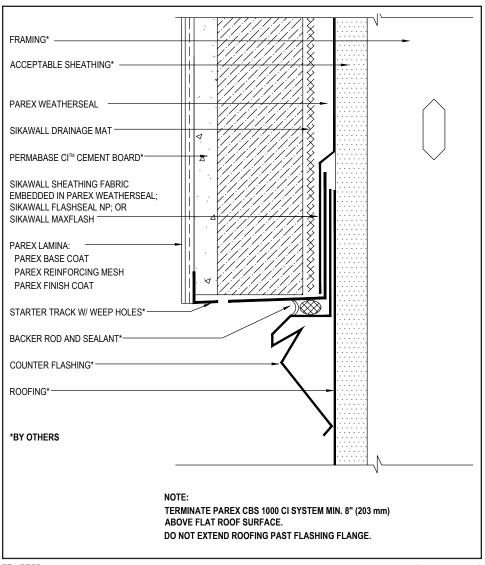
26 0525 (\*NOTE: BY OTHERS)

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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.

27 0525 (\*NOTE: BY OTHERS)

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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/parex or by calling our Technical Service Department at +1 (800) 226-2424.

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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