

PAREX[®]



Parex WaterMaster NC System

Water Drainage Exterior Insulation and
Finish System Using Mineral Wool Insulation

Typical Details

BUILDING TRUST



Parex WaterMaster NC System

Typical Details

Water Drainage Exterior Insulation and Finish System Using Mineral Wool Insulation

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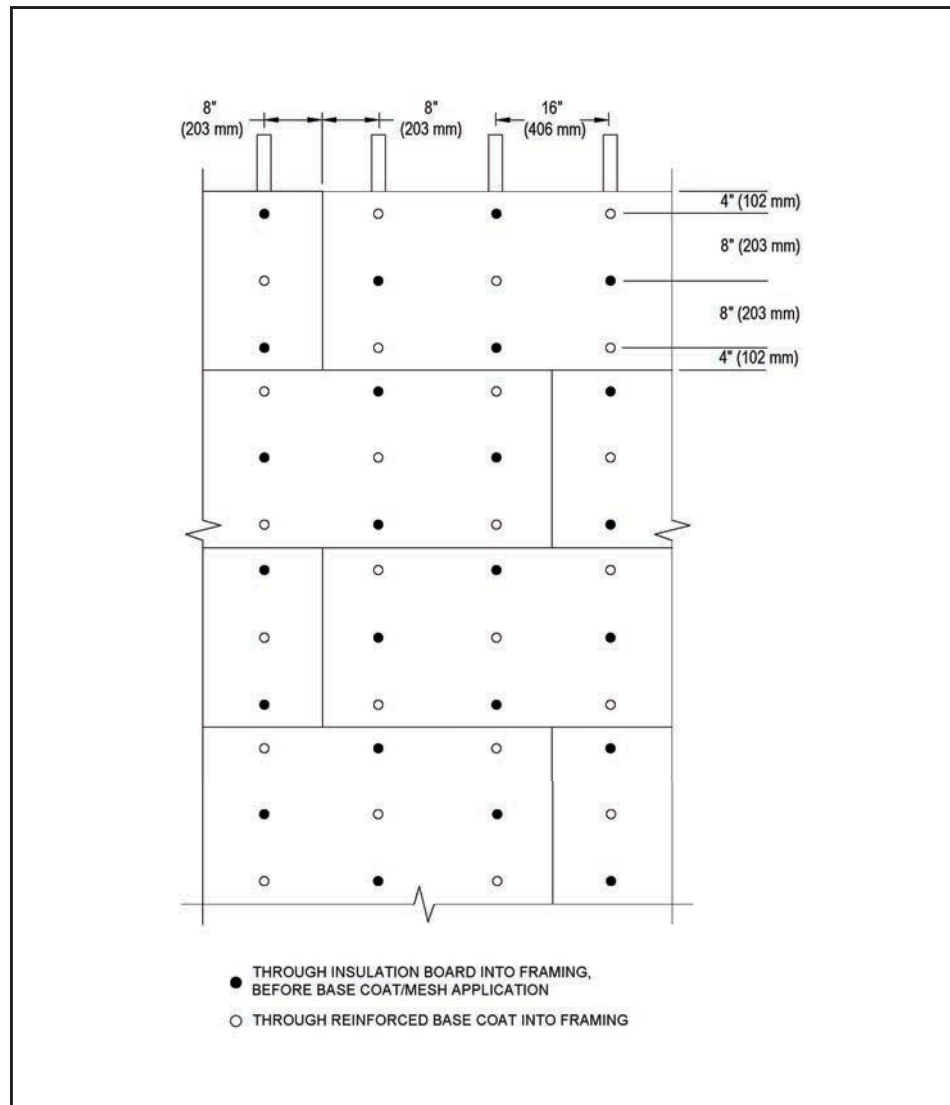
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Notes:

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Parex WaterMaster NC System

TYPICAL MINERAL WOOL FASTENER PATTERN



- Additional fasteners may be required at corners or other terminations.
- Ensure a means for drainage is provided at System termination.
- Fasteners installed on the outside of the reinforced base coat should be spotted prior to application of final base coat.
- 9 fasteners per 2'x4' insulation board.
- Use Wind-Lock ULP-302 plates with fastener appropriate to insulation thickness and structure type.
- Allow adhesive to dry before installing fasteners.
- Install 4 fasteners per board after adhesive application of insulation board; install remaining 5 fasteners per board after the installation of reinforced base coat.
- Do not overdrive fasteners, washer should sit flush with face of insulation board/reinforced base coat or slightly (1/16") recessed.

PNC-01 0725

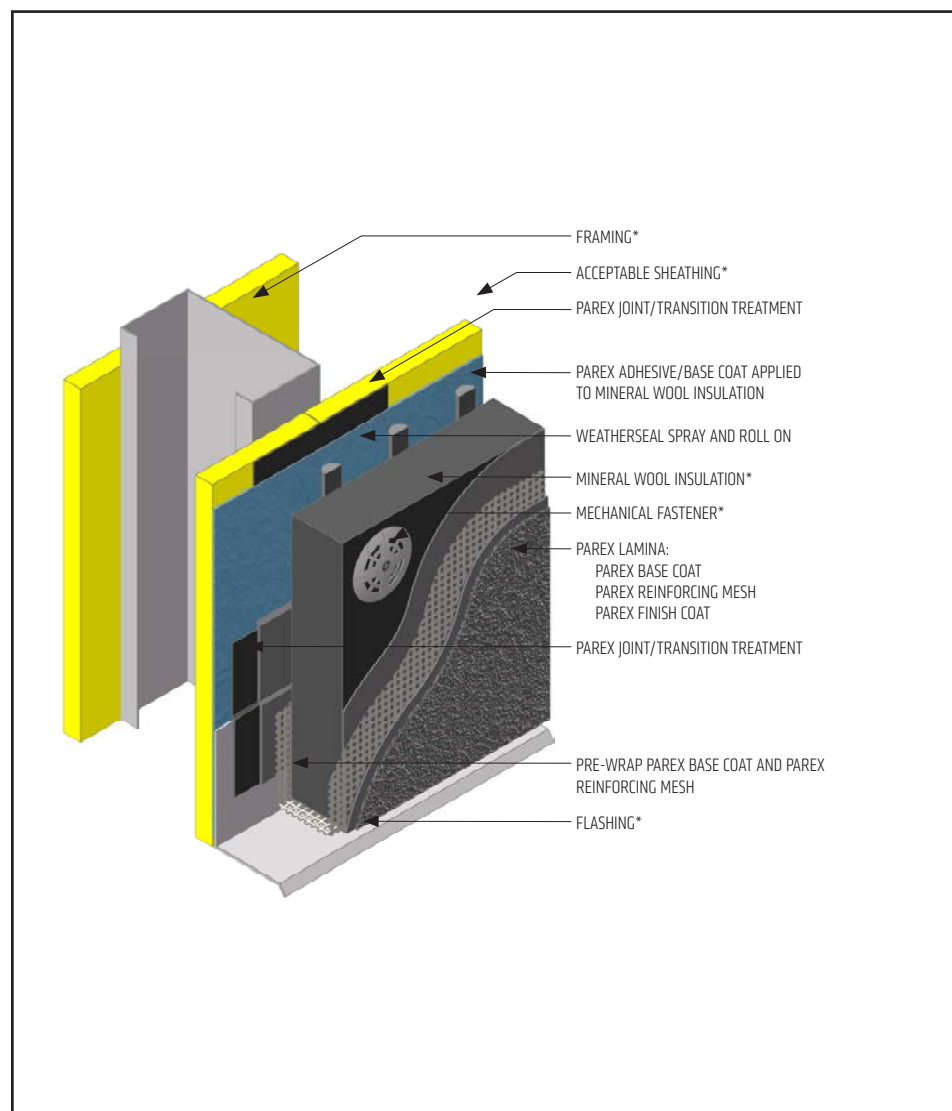
(*NOTE: BY OTHERS)

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Parex WaterMaster NC System

TYPICAL APPLICATION



PNC-02 0725

(*NOTE: BY OTHERS)

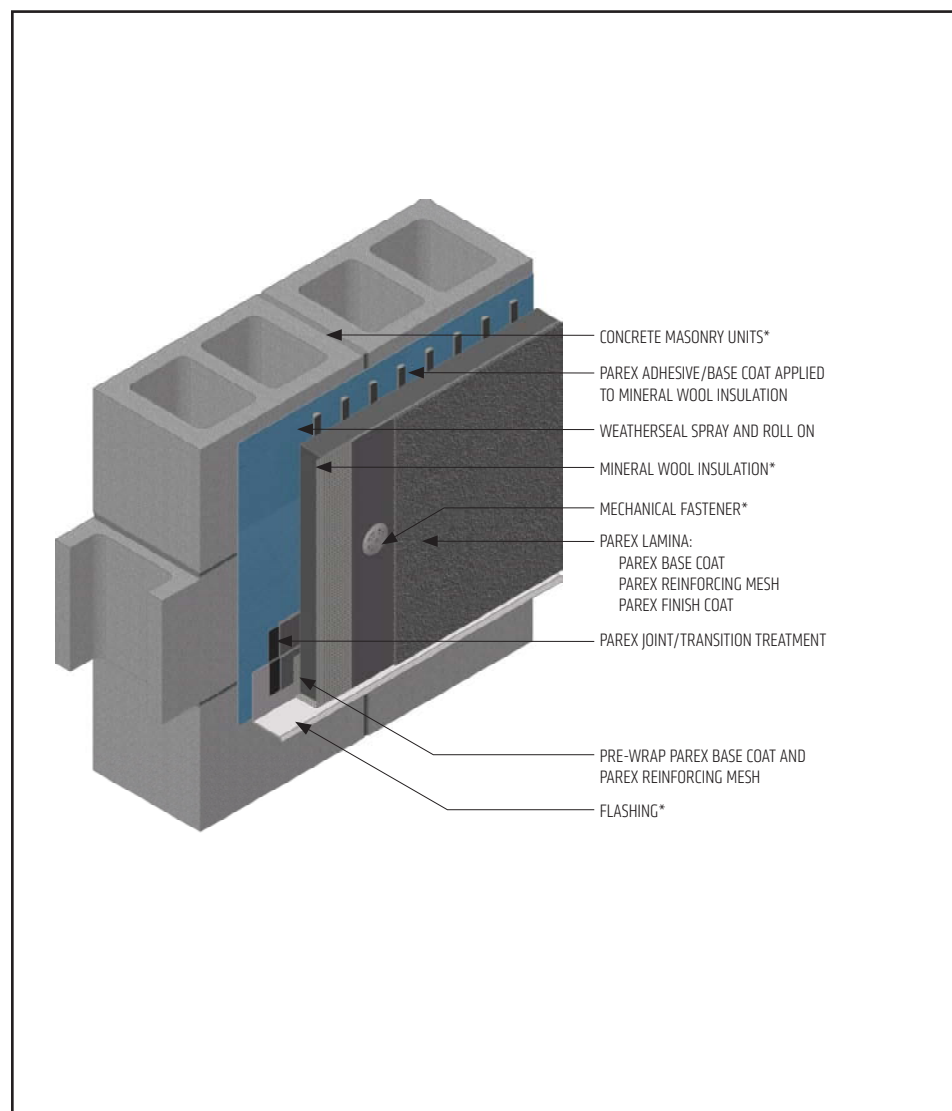
- All terminations must be fully encapsulated with mesh reinforced base coat. Pre-backwrapping is recommended at drainage terminations. Extend reinforcing mesh a minimum of 2 1/2" onto back of insulation board.
- Ensure a means for drainage is provided at system termination.
- Parex Joint/Transition Treatment Options: SikaWall MaxFlash, SikaWall Sheathing Fabric embedded in Parex WeatherSeal Spray and Roll On SikaWall Flash Seal NP.

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Parex WaterMaster NC System

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 2 1/2" onto back of insulation board.
- Ensure a means for drainage is provided at System termination.

PNC-03 0725

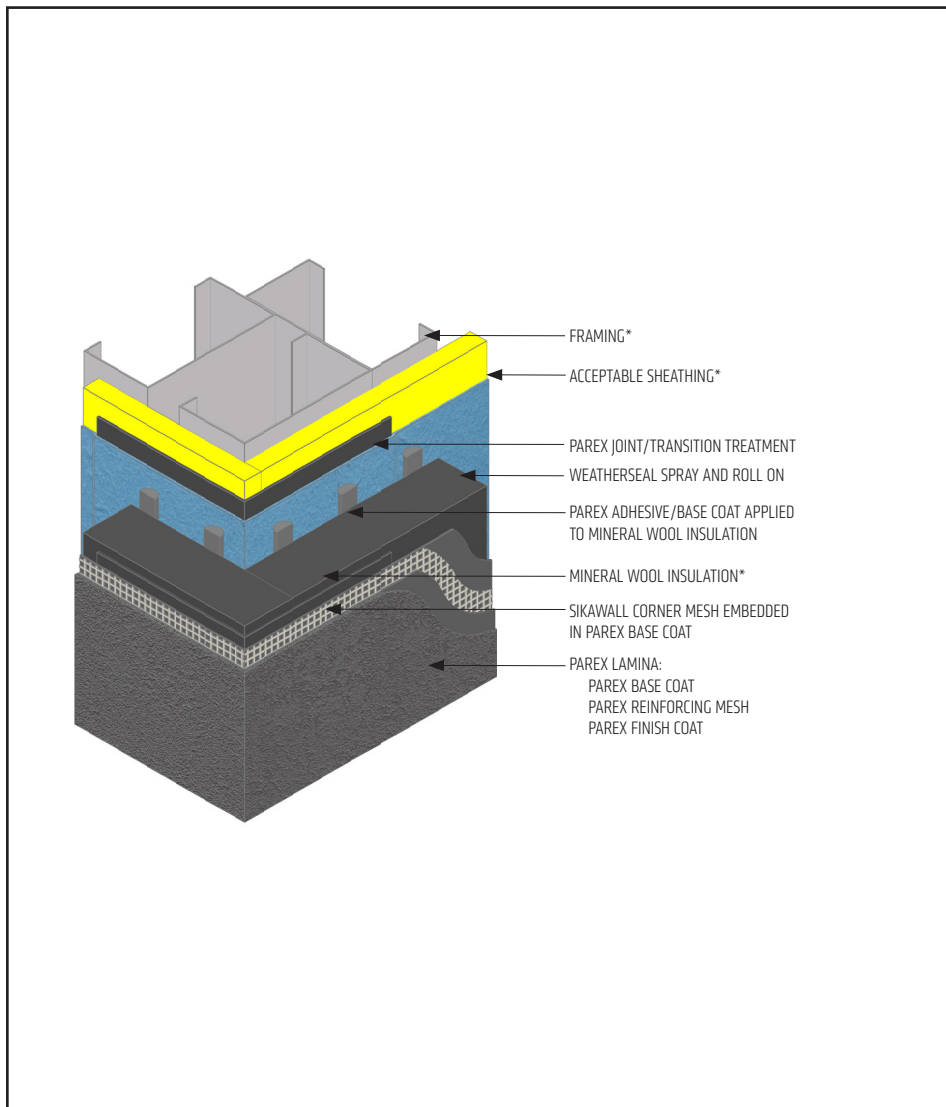
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Parex WaterMaster NC System

TYPICAL CORNER MESH APPLICATION WITH PAREX 355 STANDARD INTERMEDIATE 6 OR 12



PNC-04 0725

(*NOTE: BY OTHERS)

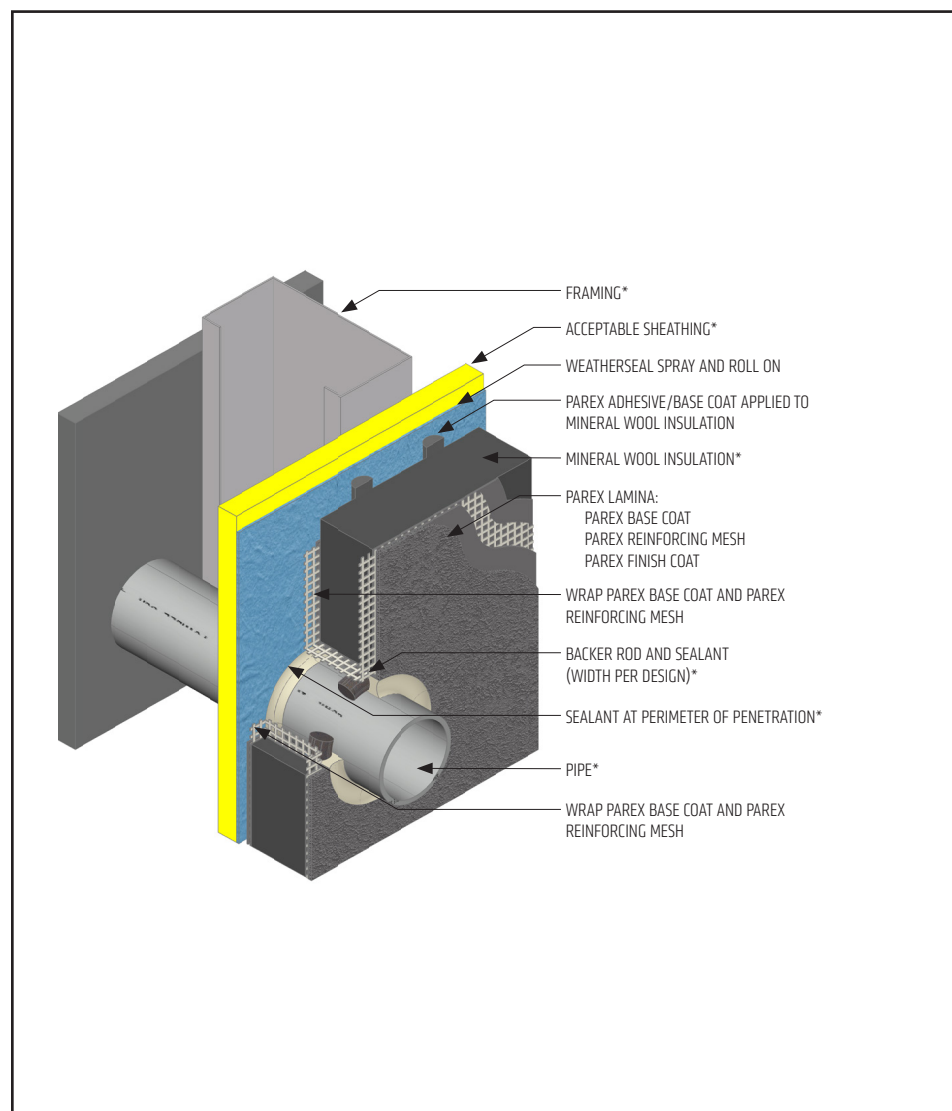
- SikaWall Corner Mesh on outside corner can be replaced, with Parex 355 Standard SikaWall Intermediate 6 or Intermediate 12, extended a minimum of 8" (203 mm) around corner from both sides (creating double layer of mesh at the corner).
- Provide fasteners into structure at corners.
- Parex Joint/Transition Treatment Options: SikaWall MaxFlash, SikaWall Sheathing Fabric embedded in Parex WeatherSeal Spray and Roll On or SikaWall Flash Seal NP.

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Parex WaterMaster NC System

TYPICAL PIPE PENETRATION



PNC-05 0725

(*NOTE: BY OTHERS)

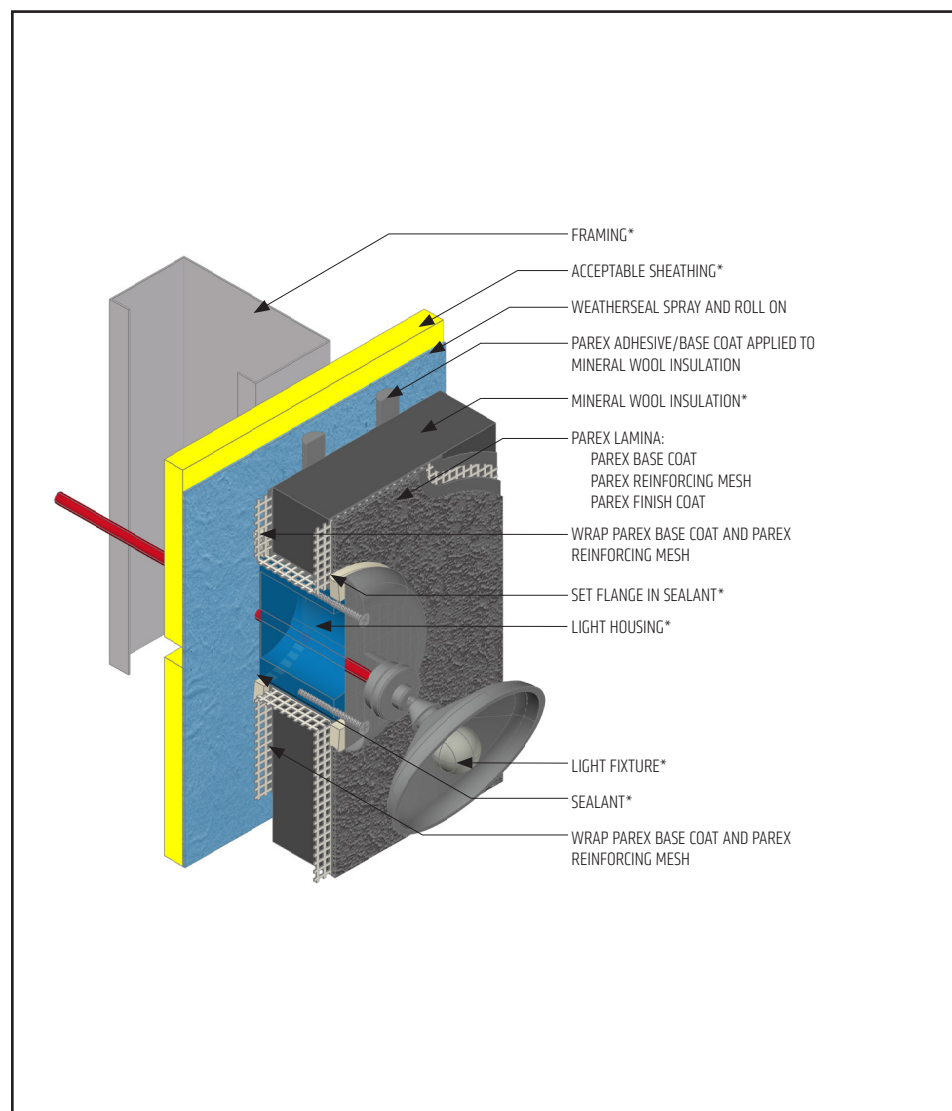
- All terminations must be fully encapsulated with mesh reinforced base coat. Extend reinforcing mesh a minimum of 2 1/2" onto back of insulation board.
- Ensure all penetrations into the system are properly sealed. Reference *Acceptable Sealants to use with Parex Technical Bulletin* for a list of sealants.
- Provide continuous seal around perimeter of penetration prior to mineral wool insulation application. Reference *Acceptable Sealants for use with Parex Technical Bulletin* for a list of sealants.
- Do not apply finish to areas that will receive sealant.

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Parex WaterMaster NC System

TYPICAL LIGHT FIXTURE



PNC-06 0725

(*NOTE: BY OTHERS)

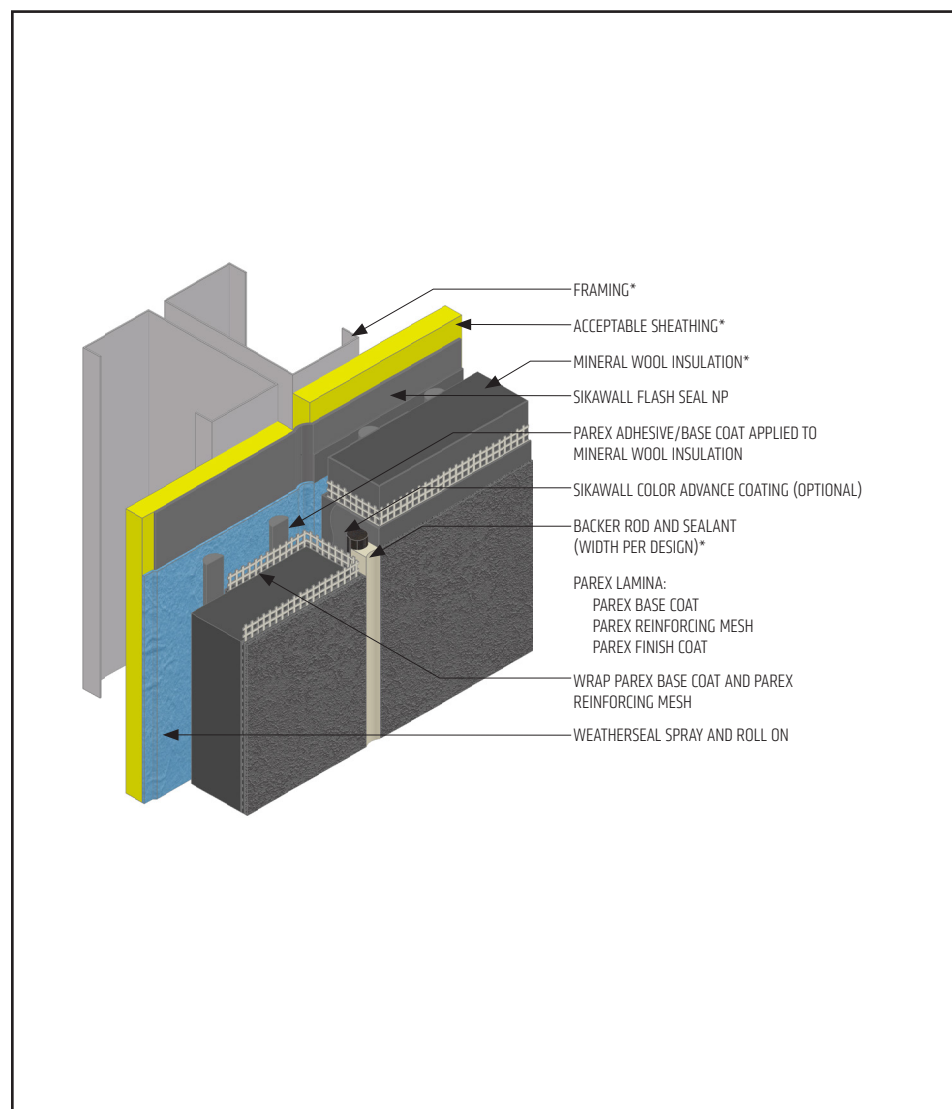
- All terminations must be fully encapsulated with mesh reinforced base coat. Extend reinforcing mesh a minimum of 2 1/2" onto back of insulation board.
- Ensure all penetrations into the system are properly sealed. Reference "Acceptable Sealants to use with Parex Wall Systems" Technical Bulletin for a list of sealants.
- Provide continuous seal around perimeter of penetration prior to mineral wool insulation application. Reference *Acceptable Sealants for use with WeatherSeal* Technical Bulletin for a list of sealants.
- Do not apply finish to areas that will receive sealant.

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Parex WaterMaster NC System

TYPICAL EXPANSION JOINT



PNC-07 0725

(*NOTE: BY OTHERS)

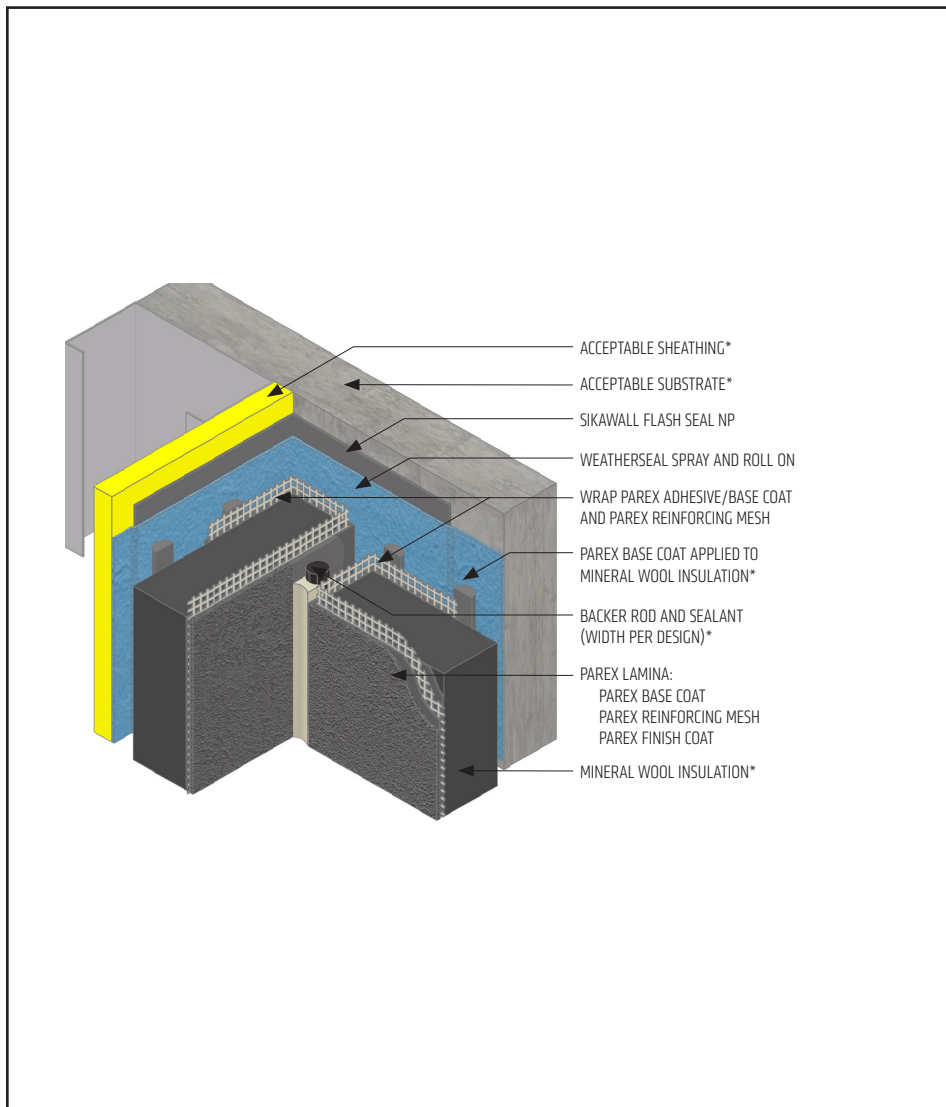
- All terminations must be fully encapsulated with mesh reinforced base coat. Extend reinforcing mesh a minimum of 2 1/2" onto back of insulation board.
- Ensure drainage plane is continuous and unobstructed at expansion joint.
- Do not apply finish to areas that will receive sealant.
- Typical locations 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.
- Provide sufficient slack in SikaWall Flash Seal NP at expansion joint to allow for movement.
- Reference *Acceptable Sealants for use with Parex Wall Systems* Technical Bulletin for a list of sealants.

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Parex WaterMaster NC System

TYPICAL EXPANSION JOINT AT CHANGE IN SUBSTRATE



PNC-08 0725

(*NOTE: BY OTHERS)

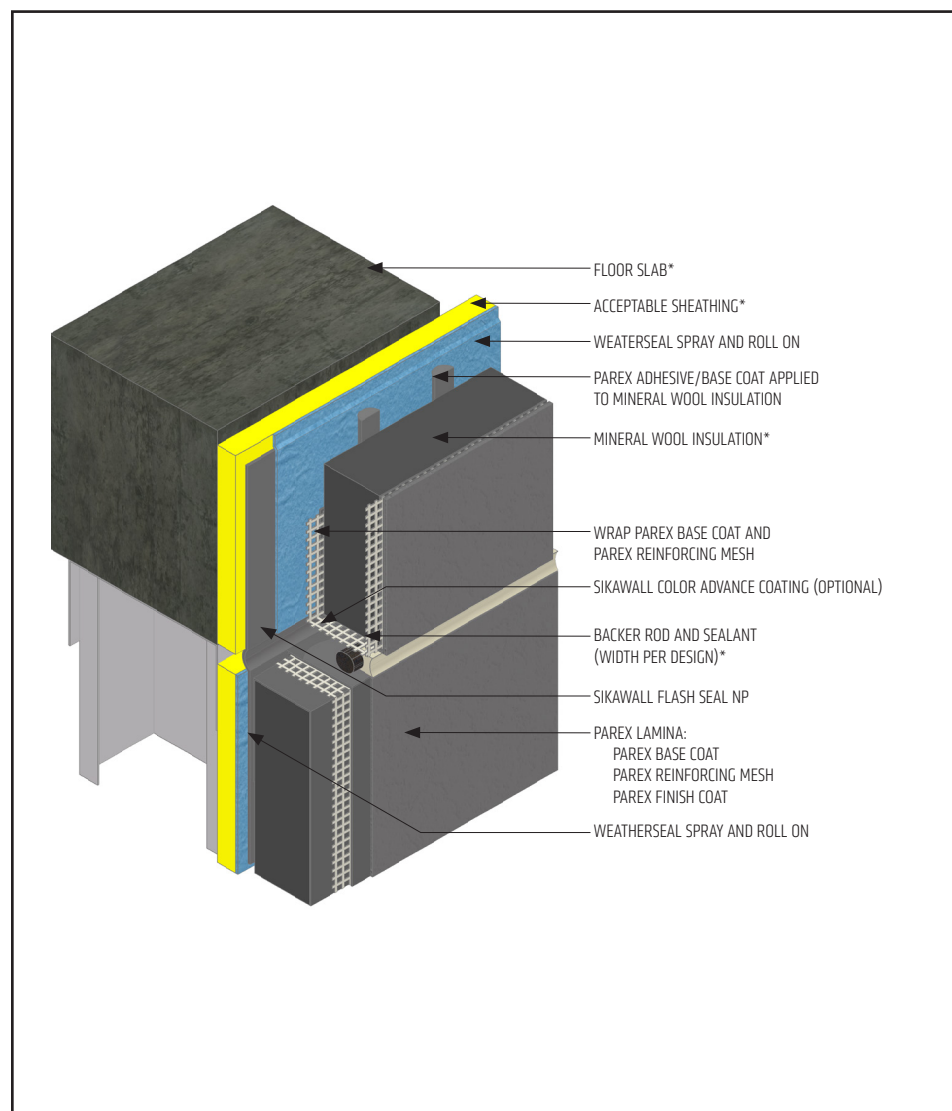
- All terminations must be fully encapsulated with mesh reinforced base coat.
- Ensure drainage plane is continuous and unobstructed at expansion joint.
- Do not apply finish to areas that will receive sealant.
- Typical locations for system expansion joints are at building expansion joints, at prefabricated 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.
- Provide sufficient slack in SikaWall Flash Seal NP at expansion joint to allow for movement.
- Reference *Acceptable Sealants for use with Parex* Technical Bulletin for a list of sealants.

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Parex WaterMaster NC System

TYPICAL EXPANSION JOINT AT FLOORLINE



PNC-09 0725

(*NOTE: BY OTHERS)

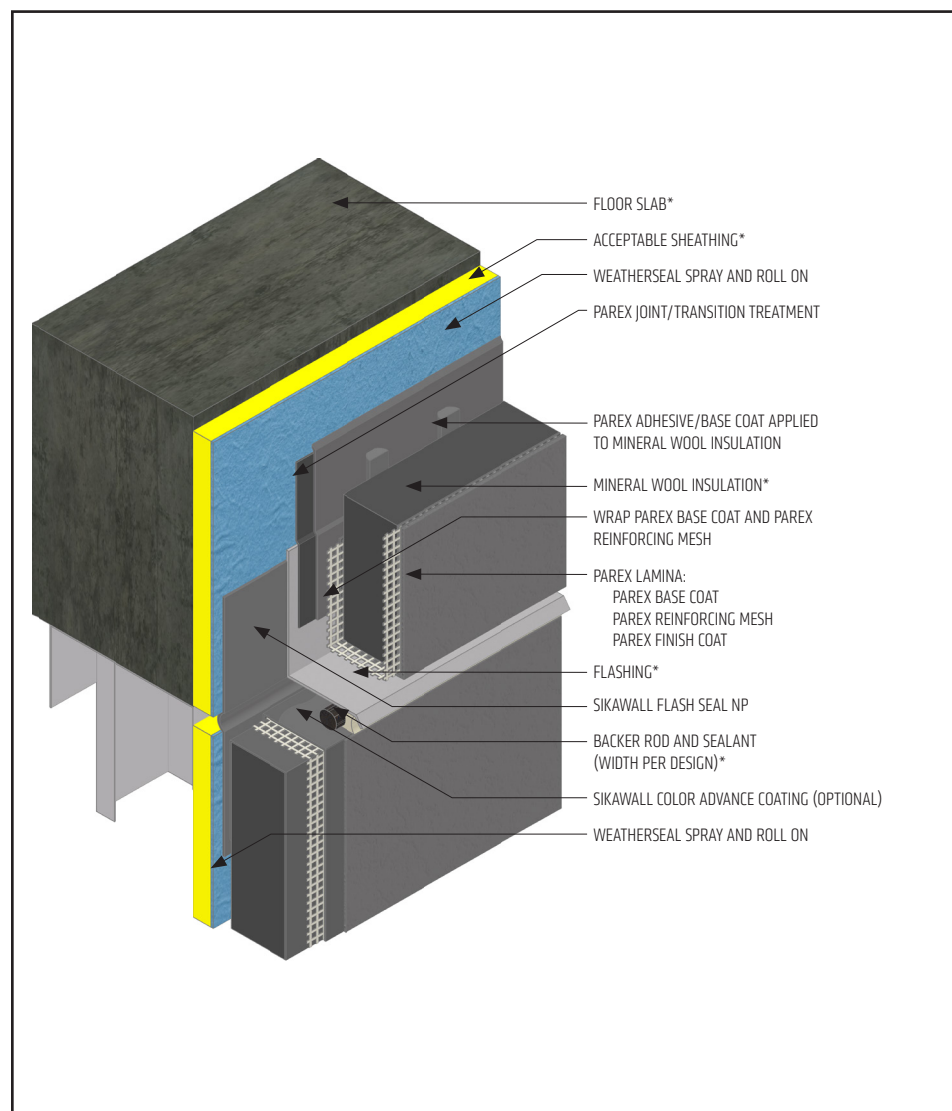
- All terminations must be fully encapsulated with mesh reinforced base coat.
- Ensure drainage plane is continuous and unobstructed at expansion joint.
- Do not apply finish to areas that will receive sealant.
- Typical locations for system expansion joints are at building expansion joints, at prefabricated 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 (See Detail PNC-10).
- Pre-backwrapping is recommended at drainage terminations. Extend reinforcing mesh a minimum of 2 1/2" onto back of insulation board.
- Provide sufficient slack in SikaWall Flash Seal NP at expansion joint to allow for movement.
- Reference *Acceptable Sealants for use with Parex* Technical Bulletin for a list of sealants.

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Parex WaterMaster NC System

TYPICAL DRAINAGE AT FLOORLINE



PNC-10 0725

(*NOTE: BY OTHERS)

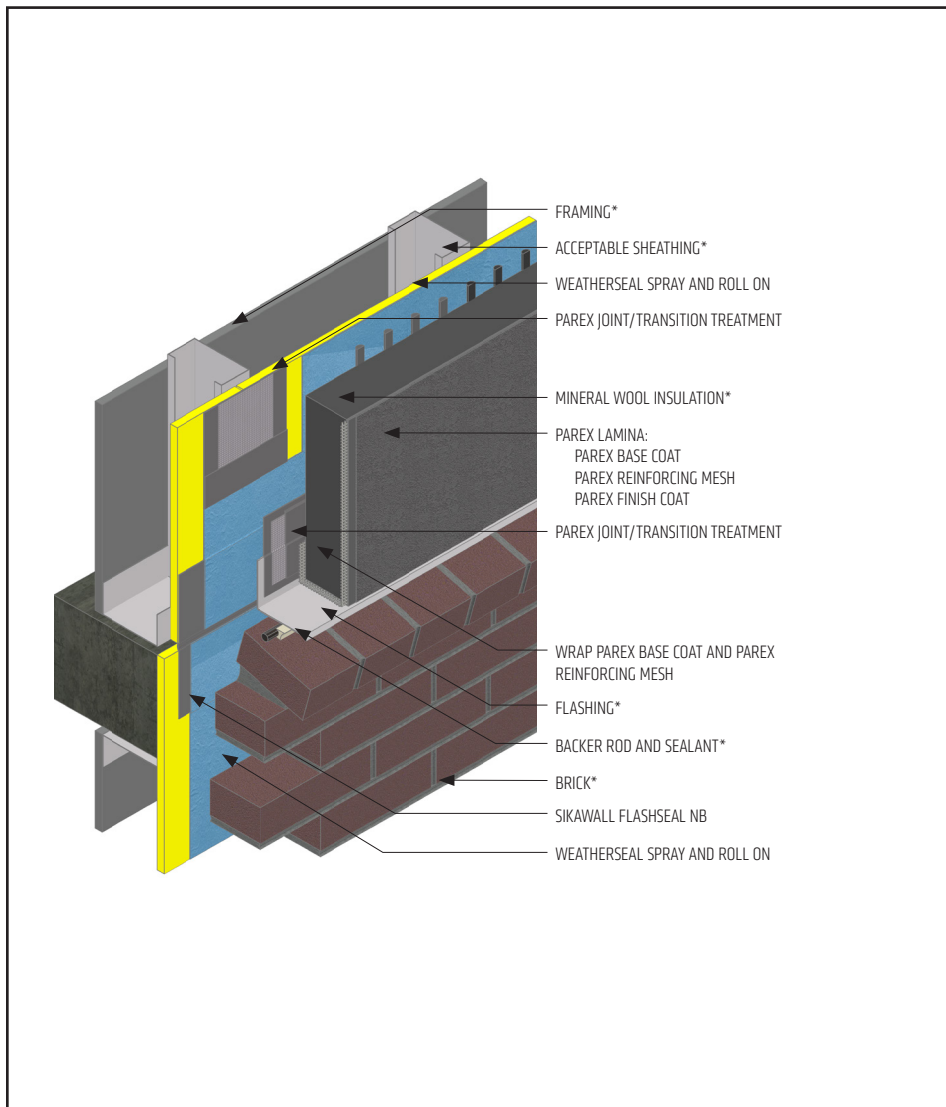
- All terminations must be fully encapsulated with mesh reinforced base coat. Pre-backwrapping is recommended at drainage terminations. Extend reinforcing mesh a minimum of 2 1/2" onto back of insulation board.
- Ensure drainage plane is continuous and unobstructed at expansion joint.
- Do not apply 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.
- Parex Joint/Transition Treatment Options: SikaWall MaxFlash, SikaWall Sheathing Fabric embedded in WeatherSeal Spray and Roll On or SikaWall Flash Seal NP.
- Provide sufficient slack in SikaWall Flash Seal NP at expansion joint to allow for movement.

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Parex WaterMaster NC System

TYPICAL EIFS ABUTMENT TO BRICK WITH DRAINAGE AT FLOORLINE



PNC-11 0725

(*NOTE: BY OTHERS)

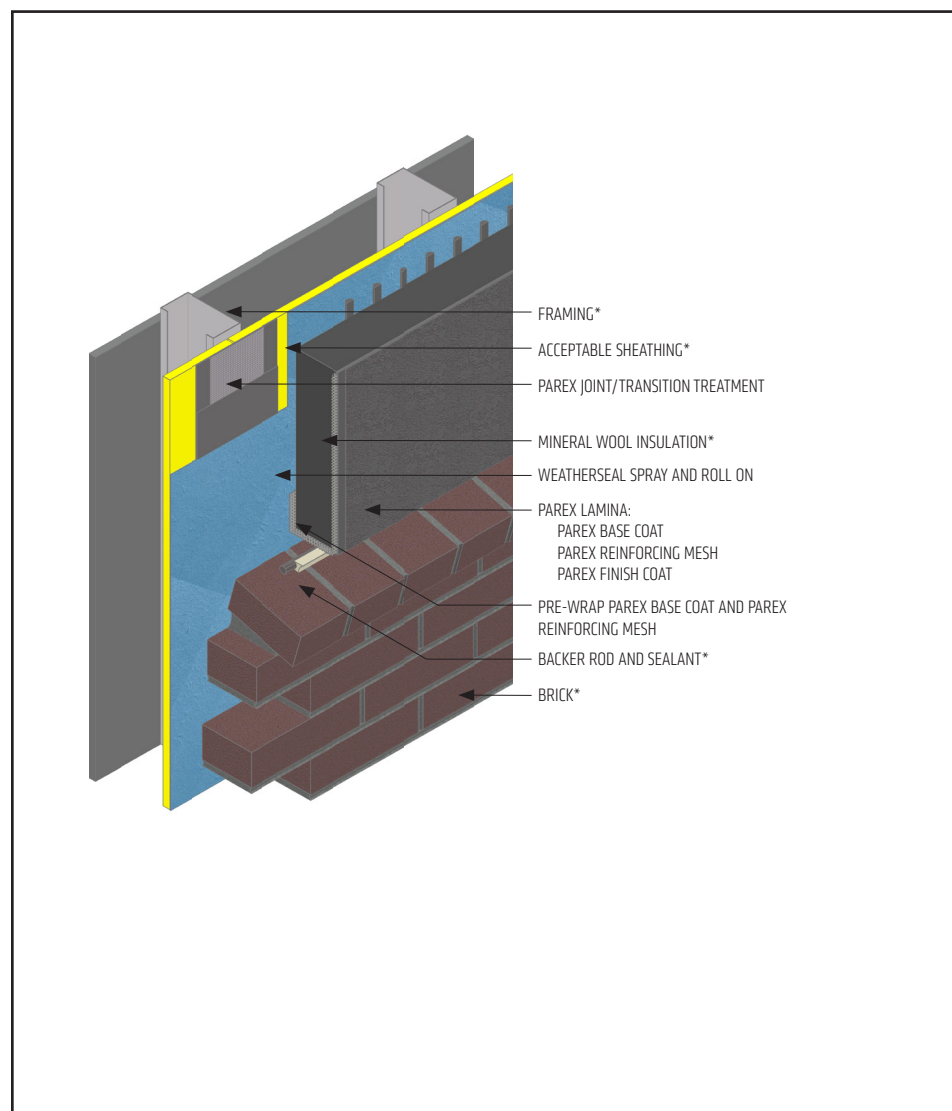
- All terminations must be fully encapsulated with mesh reinforced base coat. Pre-backwrapping is recommended at drainage terminations. Extend reinforcing mesh a minimum of 2 1/2" onto back of insulation board.
- Brick must be installed per local code requirements.
- Parex Joint/Transition Treatment Options: SikaWall MaxFlash, SikaWall Sheathing Fabric embedded in WeatherSeal Spray and Roll On or SikaWall Flash Seal NP.
- Provide sufficient slack in SikaWall Flash Seal NP at expansion joint to allow for movement.
- Ensure a means for drainage is provided at system termination at brick.

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Parex WaterMaster NC System

TYPICAL EIFS ABUTMENT TO BRICK WITH CONTINUOUS DRAINAGE



PNC-12 0725

(*NOTE: BY OTHERS)

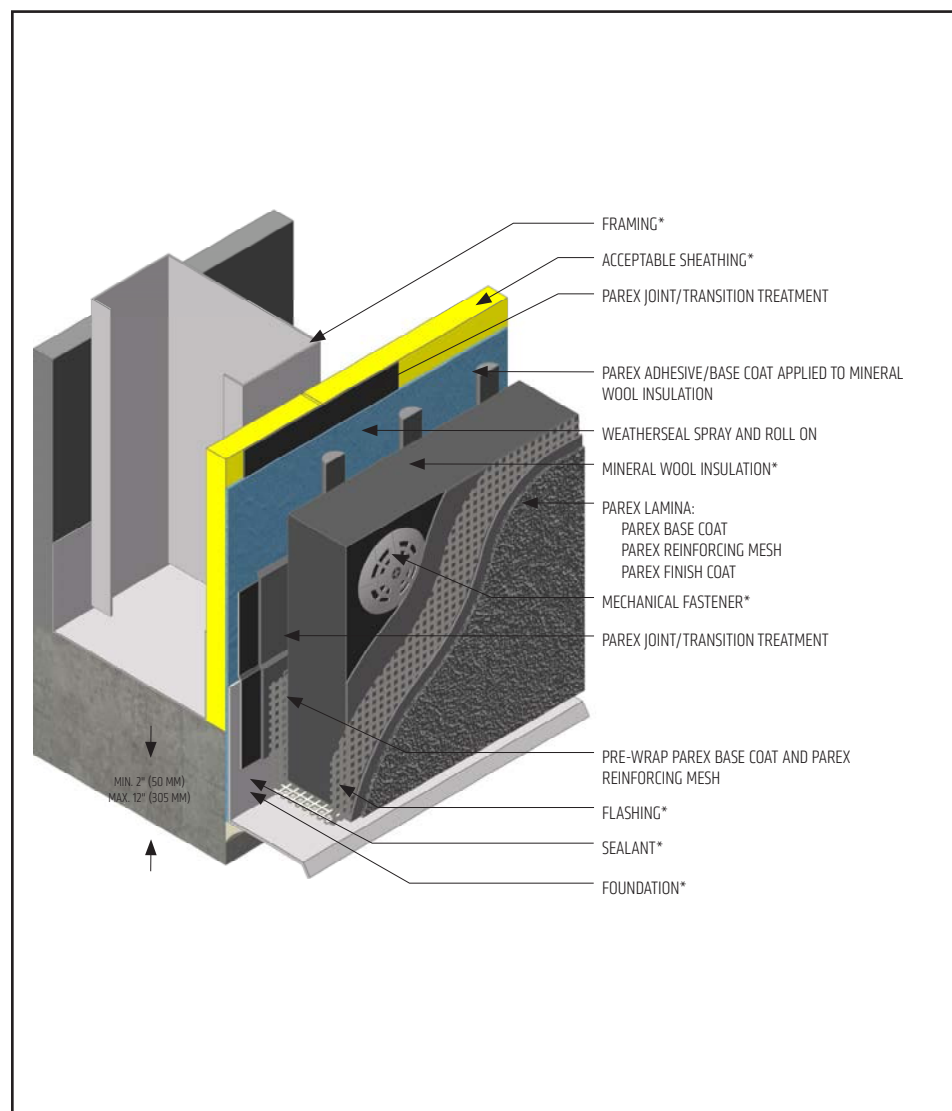
- All terminations must be fully encapsulated with mesh reinforced base coat. Pre-backwrapping is recommended at drainage terminations. Extend reinforcing mesh a minimum of 2 1/2" onto back of insulation board.
- Ensure a continuous drainage plane is maintained at system abutment to brick.
- Brick must be installed per local code requirements.
- PAREX Joint/Transition Treatment Options: SikaWall MaxFlash, SikaWall Sheathing Fabric embedded in WeatherSeal Spray and Roll On or SikaWall Flash Seal NP.
- Reference *Acceptable Sealants for use with PAREX* Technical Bulletin for a list of sealants.

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Parex WaterMaster NC System

TYPICAL TERMINATION AT FOUNDATION



PNC-13 0725

(*NOTE: BY OTHERS)

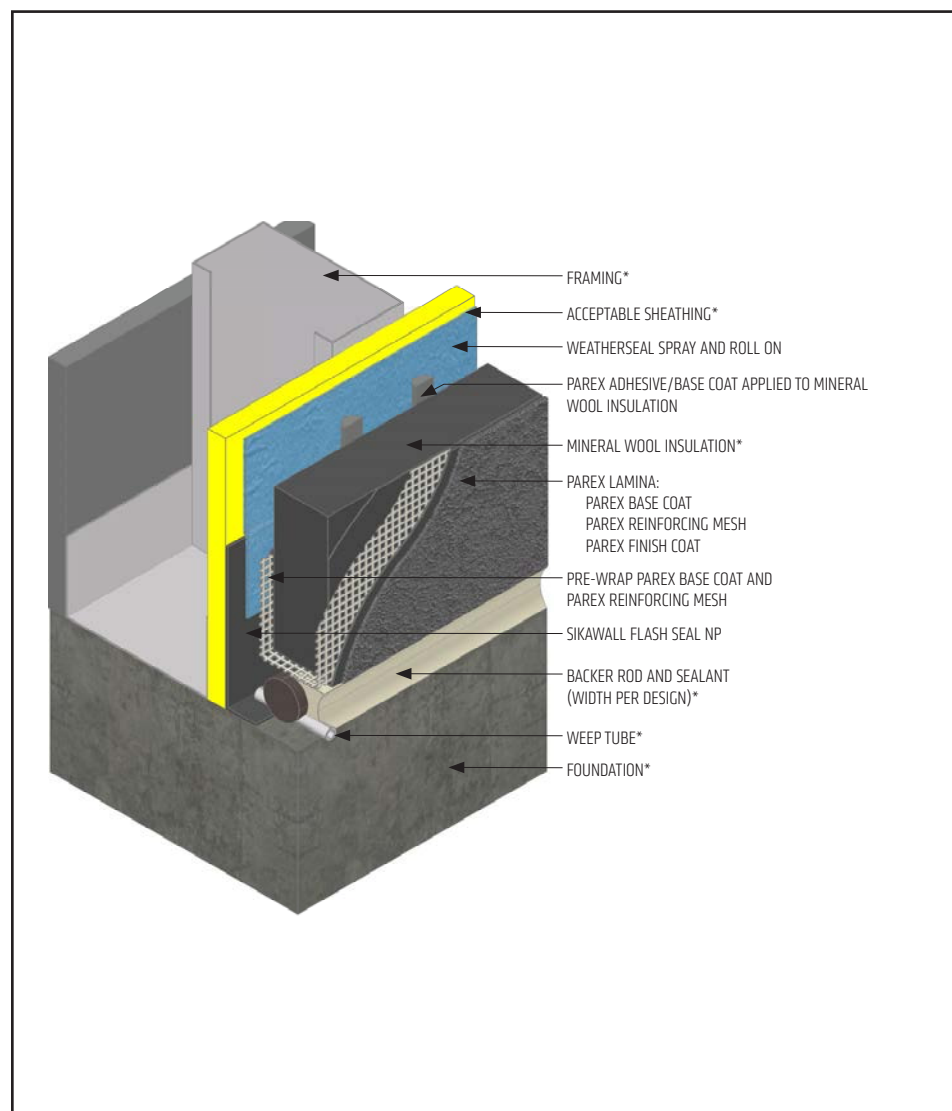
- All terminations must be fully encapsulated with mesh reinforced base coat. Pre-backwrapping is recommended at drainage terminations. Extend reinforcing mesh a minimum of 2 1/2" onto back of insulation board.
- Ensure a means for drainage is provided at system termination at foundation.
- Terminate system a minimum of 6" (152 mm) above grade.
- Extend system a minimum of 2" (50 mm) and a maximum of 12" (305 mm) at the sole plate foundation transition.
- Provide SikaWall MaxFlash, SikaWall Sheathing Fabric embedded in WeatherSeal Spray and Roll On or SikaWall Flash Seal NP at transition from sheathing to concrete (behind flashing).
- Parex Joint/Transition Treatment Options: SikaWall MaxFlash, SikaWall Sheathing Fabric embedded in WeatherSeal Spray and Roll On or SikaWall Flash Seal NP.

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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 2 1/2" onto back of insulation board.
- Ensure a means for drainage is provided at system termination at foundation.
- Place weep tubes a maximum of 24" (610 mm) on center.
- Do not apply finish to areas that will receive sealant.
- Reference *Acceptable Sealants for use with Parex* Technical Bulletin for a list of sealants.

PNC-14 0725

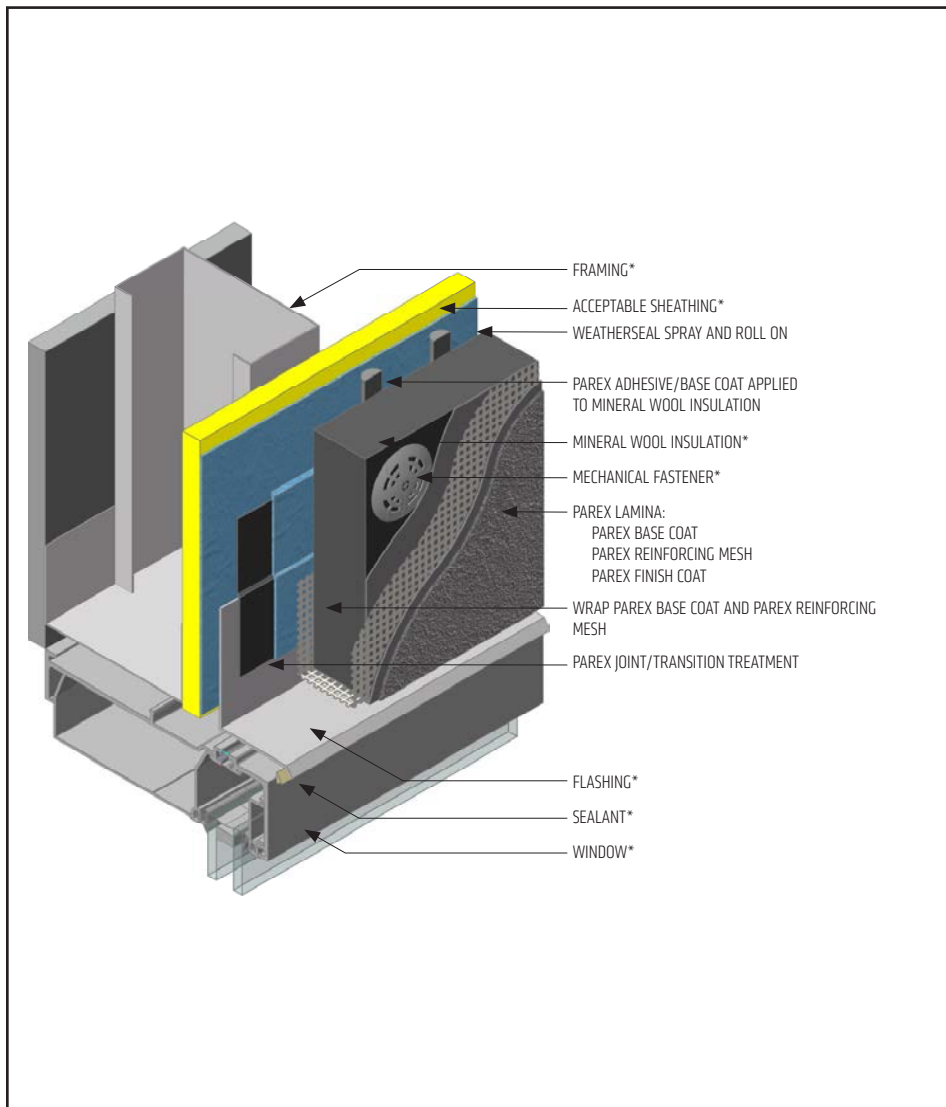
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Parex WaterMaster NC System

TYPICAL WINDOW HEAD (FLUSH)



PNC-15 0725

(*NOTE: BY OTHERS)

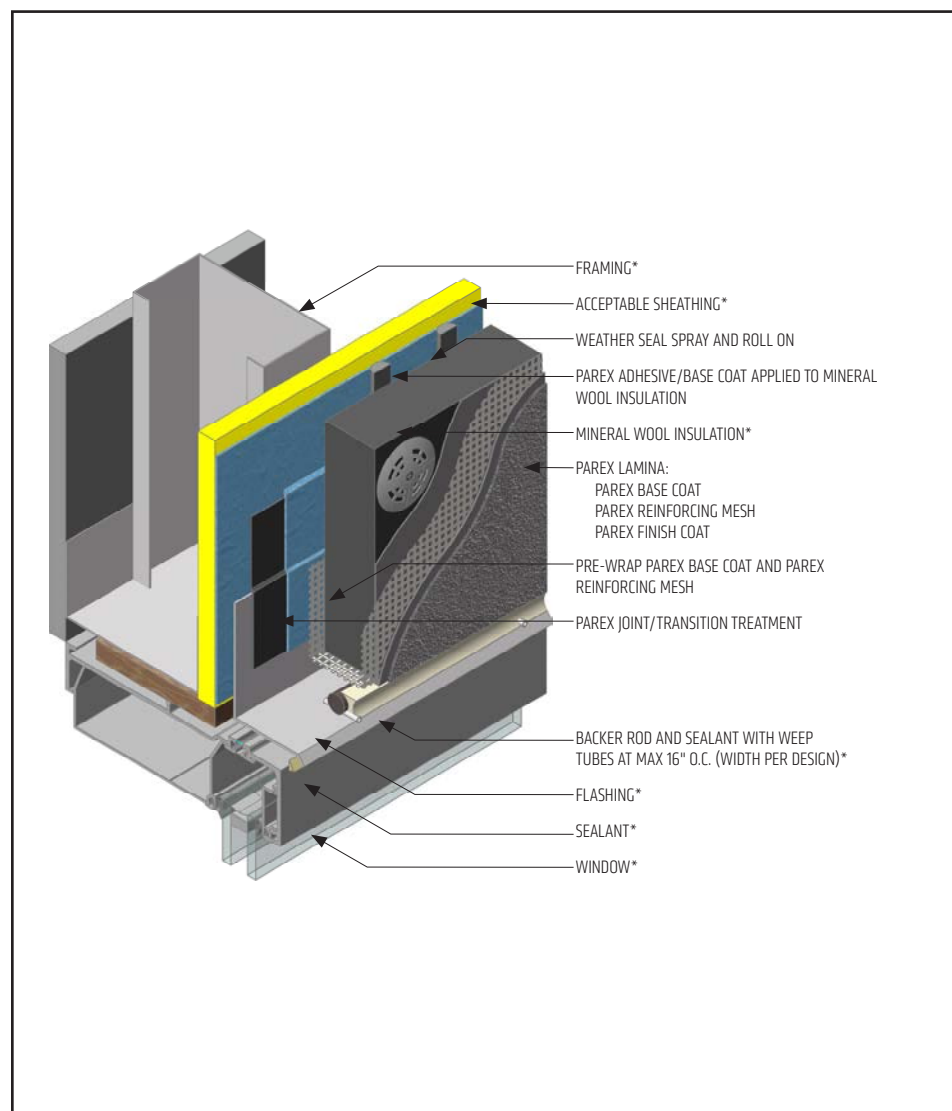
- All terminations must be fully encapsulated with mesh reinforced base coat. Pre-backwrapping is recommended at drainage terminations. Extend reinforcing mesh a minimum of 2 1/2" onto back of insulation board.
- Ensure a means for drainage is provided at system termination at window head.
- Provide 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.
- Prior to window and mineral wool installation, ensure the water-resistive barrier is properly applied into the rough openings in accordance with Parex application guidelines and code requirements. Reference WeatherSeal Spray and Roll On published typical details.
- Parex Joint/Transition Treatment Options: SikaWall MaxFlash, SikaWall Sheathing Fabric embedded in WeatherSeal Spray and Roll On or SikaWall Flash Seal NP.

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Parex WaterMaster NC System

TYPICAL WINDOW HEAD (FLUSH) WITH WEEP TUBES



PNC-16 0725

(*NOTE: BY OTHERS)

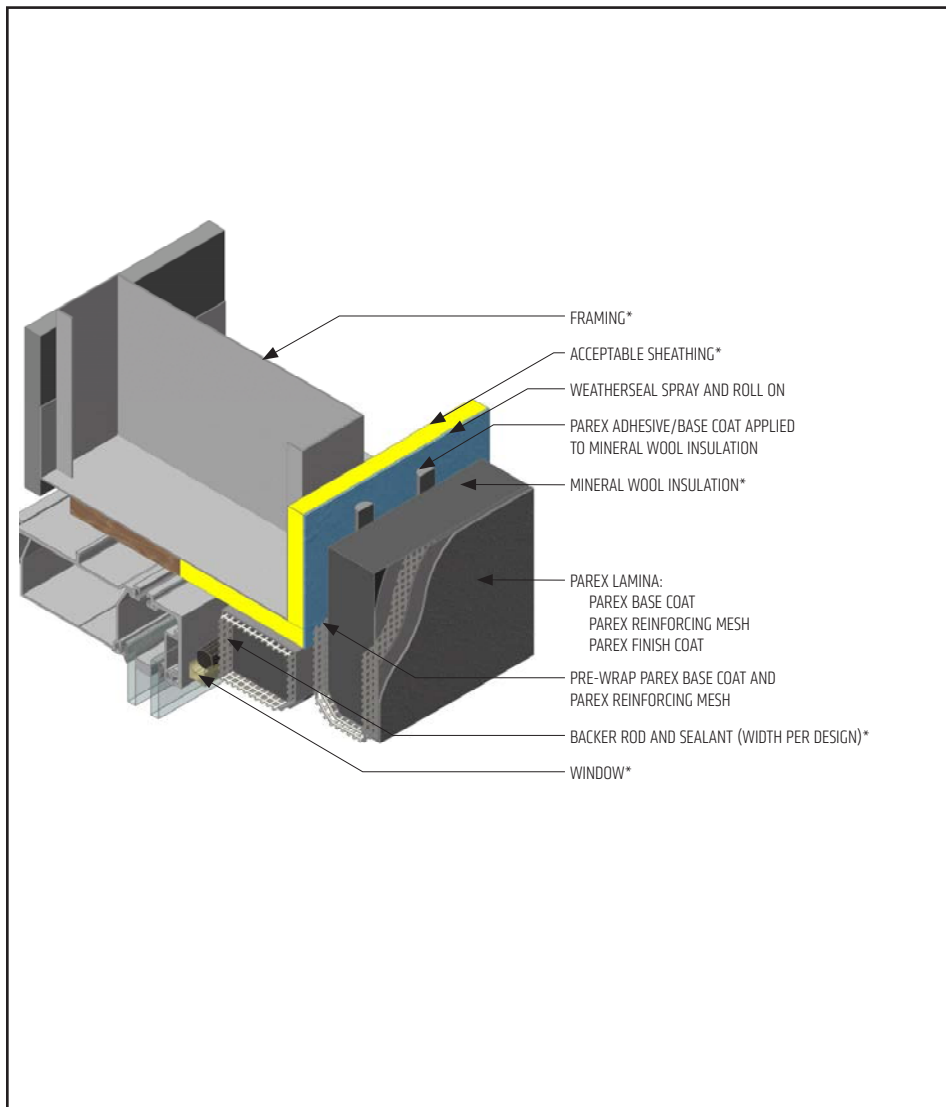
- All terminations must be fully encapsulated with mesh reinforced base coat. Pre-backwrapping is recommended at drainage terminations. Extend reinforcing mesh a minimum of 2 1/2" onto back of insulation board.
- Ensure a means for drainage is provided at system termination at window head.
- Provide 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.
- Prior to window and mineral wool installation, ensure the water-resistive barrier is properly applied into the rough openings in accordance with Parex application guidelines and code requirements. Reference WeatherSeal Spray and Roll On published typical details.
- Place weep tubes a maximum of 16" (406 mm) on center.
- Parex Joint/Transition Treatment Options: SikaWall MaxFlash, SikaWall Sheathing Fabric embedded in WeatherSeal Spray and Roll On or SikaWall Flash Seal NP.

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TYPICAL WINDOW HEAD (RECESSED)



PNC-17 0725

(*NOTE: BY OTHERS)

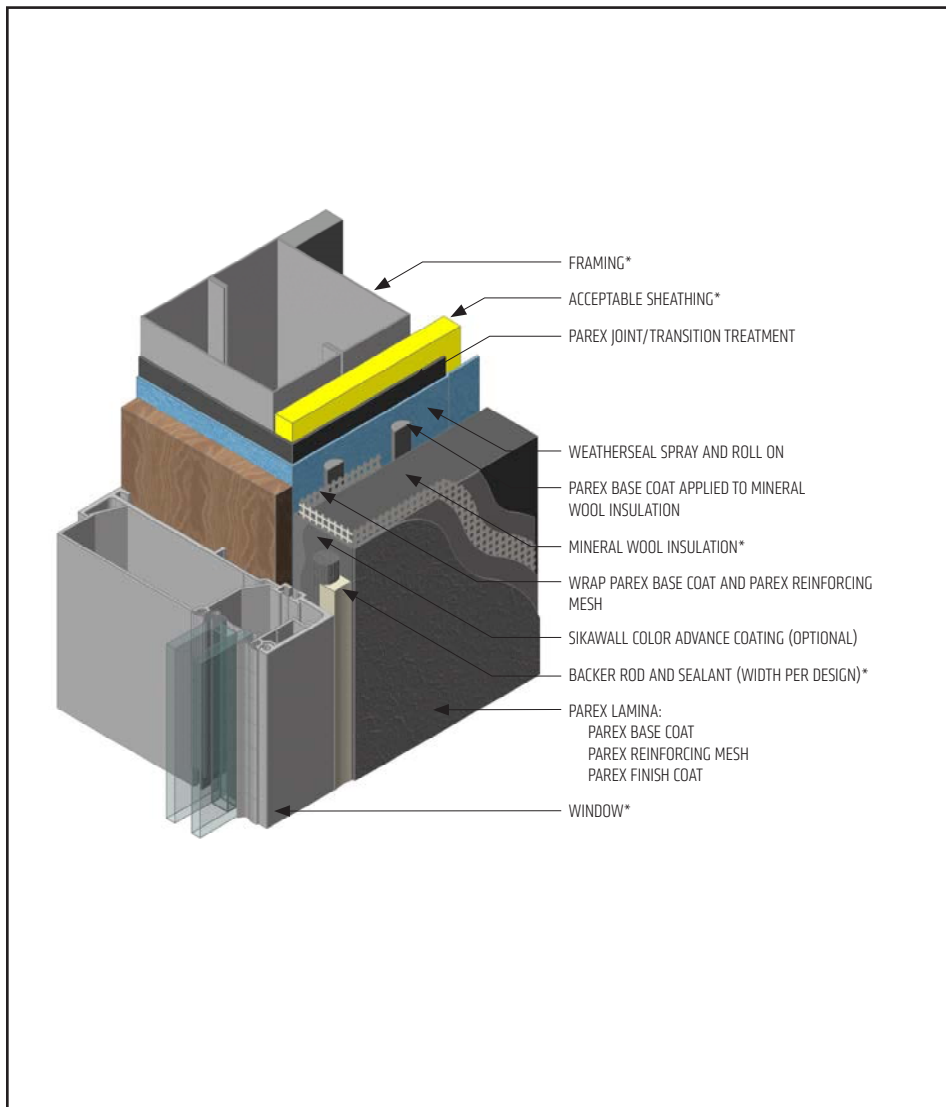
- All terminations must be fully encapsulated with mesh reinforced base coat. Pre-backwrapping is recommended at drainage terminations. Extend reinforcing mesh a minimum of 2 1/2" onto back of insulation board.
- Ensure a means for drainage is provided at system termination at window head.
- Consult window and sealant manufacturers to verify window installation, detailing and to ensure no water leakage into the wall assembly.
- Prior to window and mineral wool installation, ensure the water-resistive barrier is properly applied into the rough openings in accordance with Parex application guidelines and code requirements. Reference WeatherSeal Spray and Roll On published typical details.
- Do not apply finish in areas that will receive sealant.
- Reference *Acceptable Sealants for Use with Parex Wall Systems* Technical Bulletin for a list of sealants.

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TYPICAL WINDOW JAMB (FLUSH)



PNC-18 0725

(*NOTE: BY OTHERS)

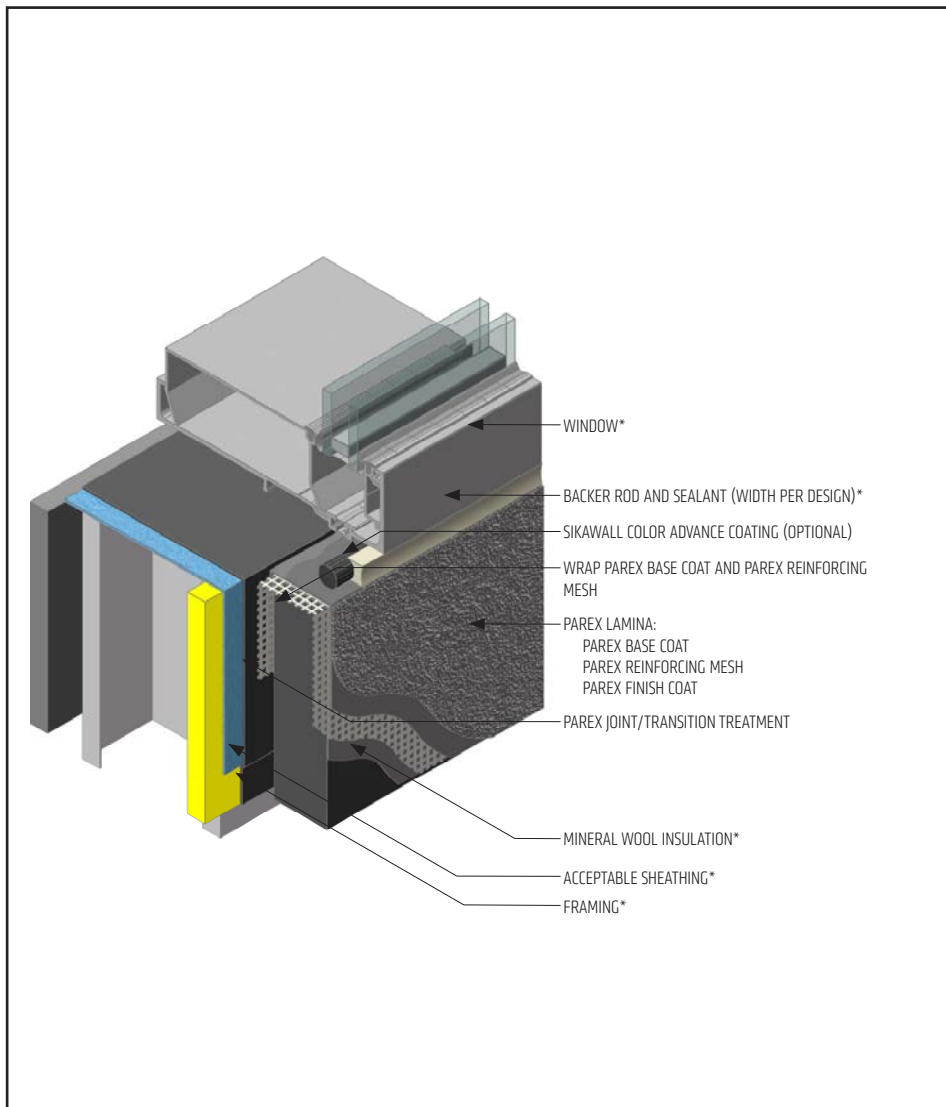
- All terminations must be fully encapsulated with mesh reinforced base coat.
- Consult window and sealant manufacturers to verify window installation, detailing and to ensure no water leakage into the wall assembly.
- Prior to window and mineral wool installation, ensure the water-resistive barrier is properly applied into the rough openings in accordance with Parex application guidelines and code requirements. Reference WeatherSeal Spray and Roll On published typical details.
- Do not apply finish in 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).
- Parex Joint/Transition Treatment Options: SikaWall MaxFlash, SikaWall Sheathing Fabric embedded in WeatherSeal Spray and Roll On or SikaWall Flash Seal NP.

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TYPICAL WINDOW SILL (FLUSH)



PNC-19 0725

(*NOTE: BY OTHERS)

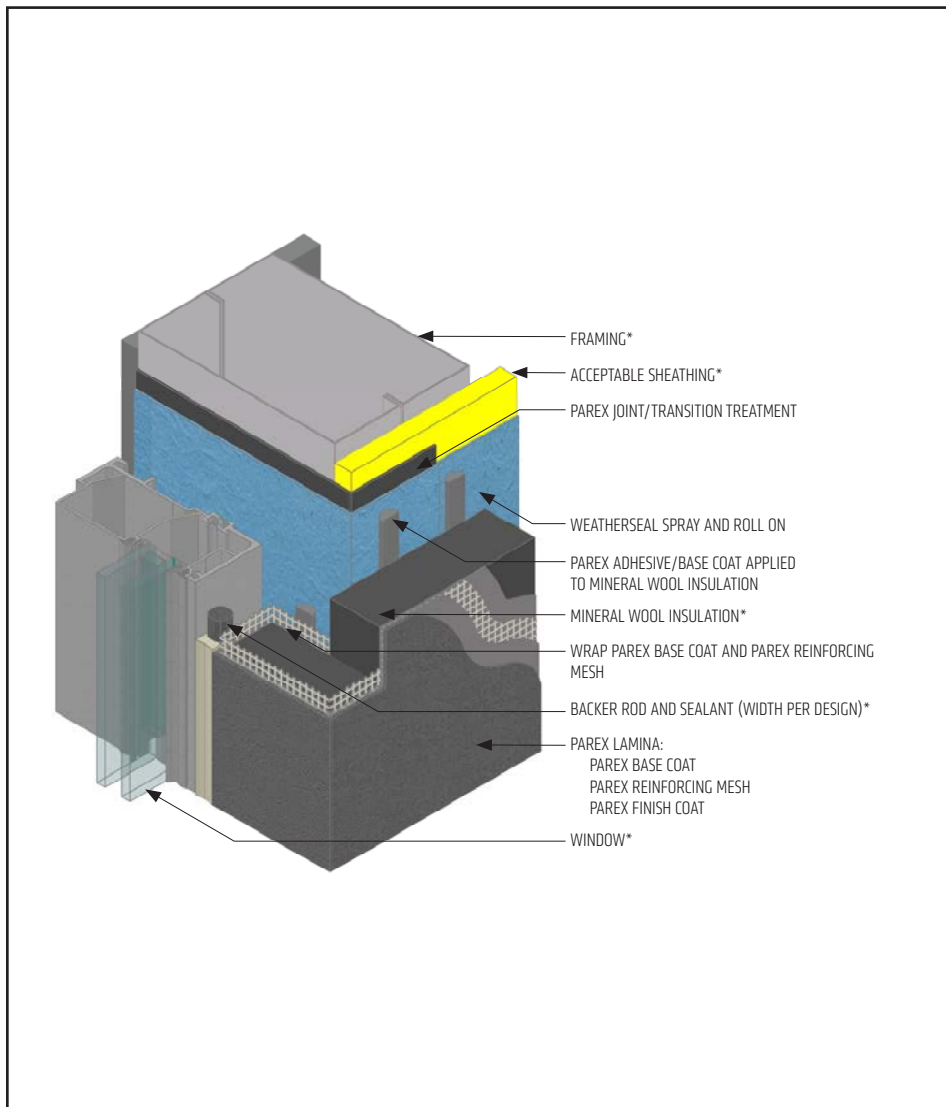
- All terminations must be fully encapsulated with mesh reinforced base coat.
- Consult window and sealant manufacturers to verify window installation, detailing and to ensure no water leakage into the wall assembly.
- Prior to window and mineral wool installation, ensure the water-resistive barrier is properly applied into the rough openings in accordance with Parex application guidelines and code requirements. Reference WeatherSeal Spray and Roll On published typical details.
- Do not apply finish in 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).
- Parex Joint/Transition Treatment Options: SikaWall MaxFlash, SikaWall Sheathing Fabric embedded in WeatherSeal Spray and Roll On or SikaWall Flash Seal NP.

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TYPICAL WINDOW JAMB (RECESSED)



PNC-20 0725

(*NOTE: BY OTHERS)

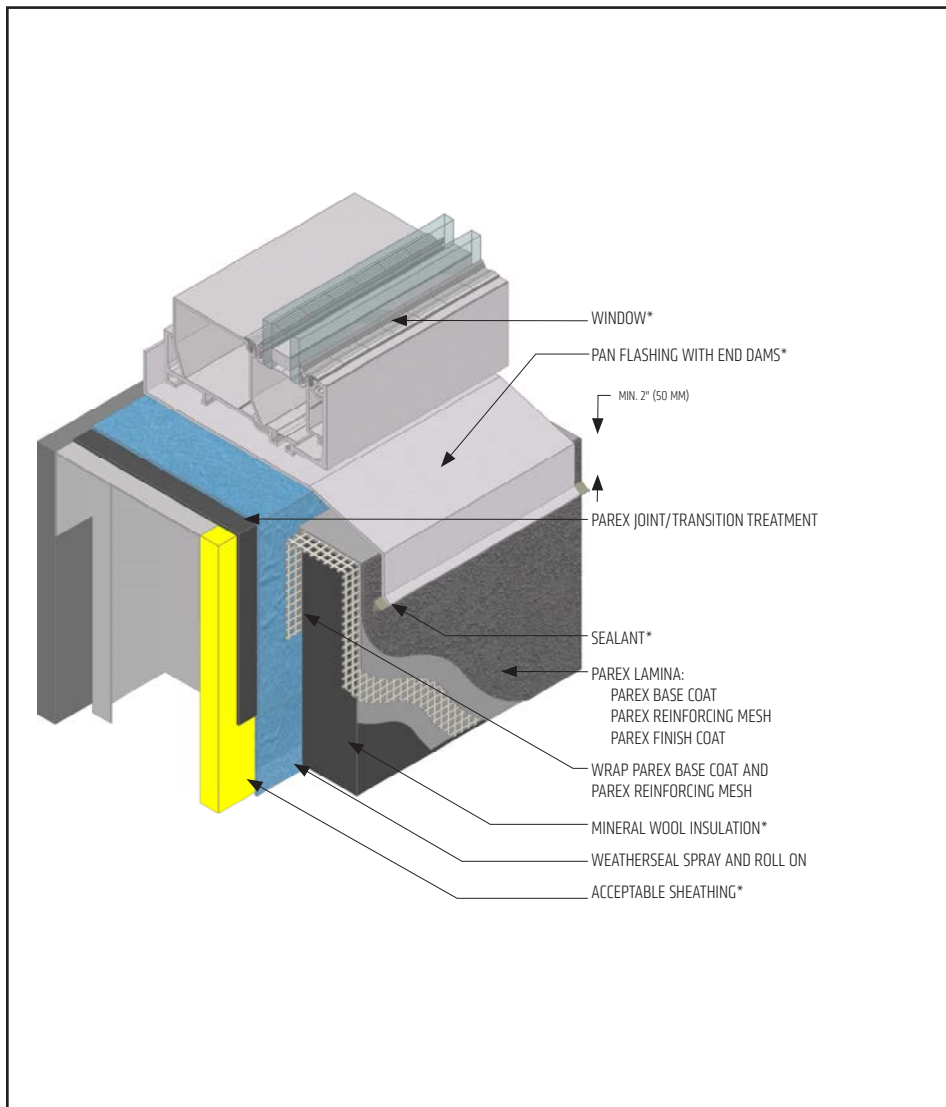
- All terminations must be fully encapsulated with mesh reinforced base coat.
- Consult window and sealant manufacturers to verify window installation, detailing and to ensure no water leakage into the wall assembly.
- Prior to window and mineral wool installation, ensure the water-resistive barrier is properly applied into the rough openings in accordance with Parex application guidelines and code requirements. Reference WeatherSeal Spray and Roll On published typical details.
- Do not apply finish in 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).
- Parex Joint/Transition Treatment Options: SikaWall MaxFlash, SikaWall Sheathing Fabric embedded in Parex WeatherSeal Spray and Roll On or SikaWall Flash Seal NP.

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Parex WaterMaster NC System

TYPICAL WINDOW SILL (RECESSED)



PNC-21 0725

(*NOTE: BY OTHERS)

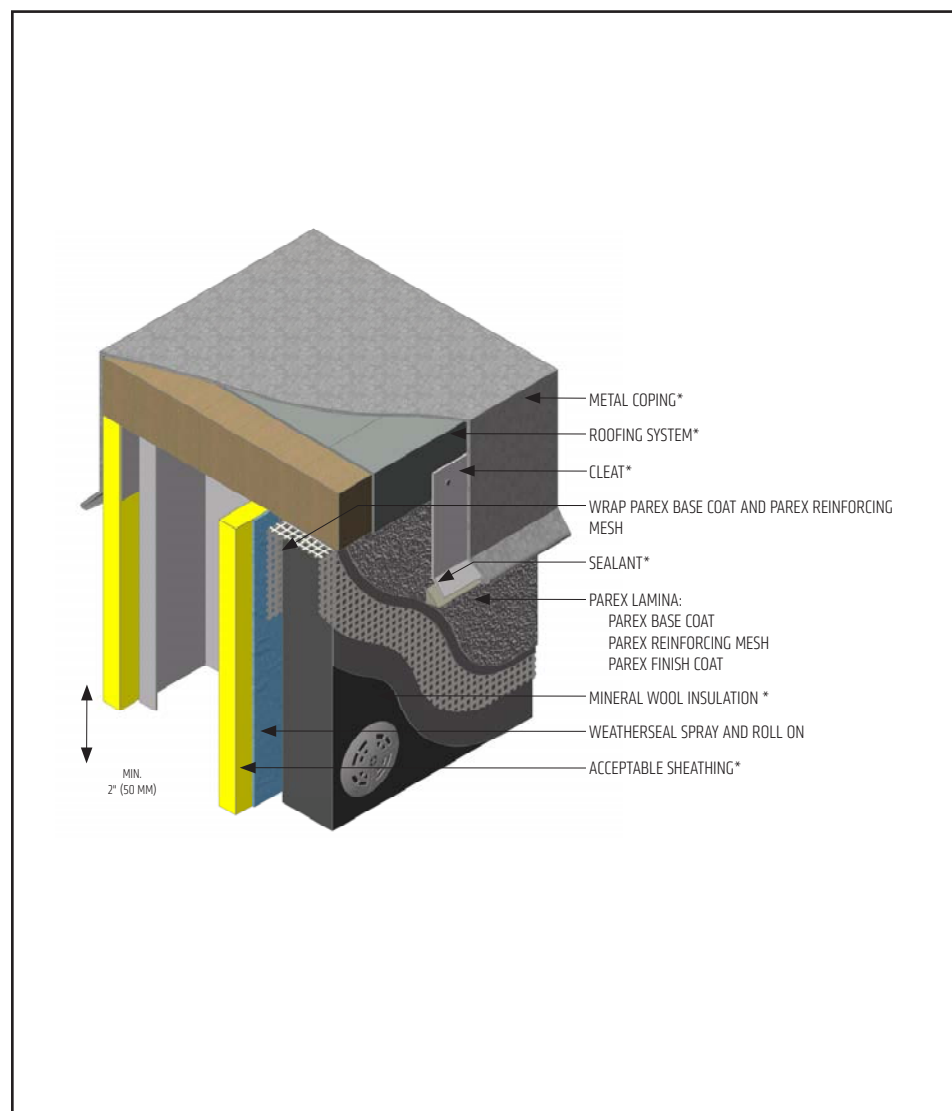
- All terminations must be fully encapsulated with mesh reinforced base coat.
- Consult window and sealant manufacturers to verify window installation, detailing and to ensure no water leakage into the wall assembly.
- Prior to window and mineral wool installation, ensure the water-resistive barrier is properly applied into the rough openings in accordance with Parex application guidelines and code requirements. Reference WeatherSeal Spray and Roll On published typical details.
- Ensure that pan flashing extends onto the system a minimum of 2" (50 mm) down the face and that end dams are provided. Transition on to end-dams with transition treatment.
- Parex Joint/Transition Treatment Options: SikaWall MaxFlash, SikaWall Sheathing Fabric embedded in WeatherSeal Spray and Roll On or SikaWall Flash Seal NP.

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Parex WaterMaster NC System

TYPICAL PARAPET CAP FLASHING



- All terminations must be fully encapsulated with mesh reinforced base coat.
- Ensure that metal coping/flashings extends onto the system a minimum of 2" (50 mm) down the face.
- Extend WeatherSeal Spray and Roll On or SikaWall MaxFlash onto bottom of blocking or provide alternate air seal at sheathing termination to blocking.
- Reference *Acceptable Sealants for use with Parex* Technical Bulletin for a list of sealants.

PNC-22 0725

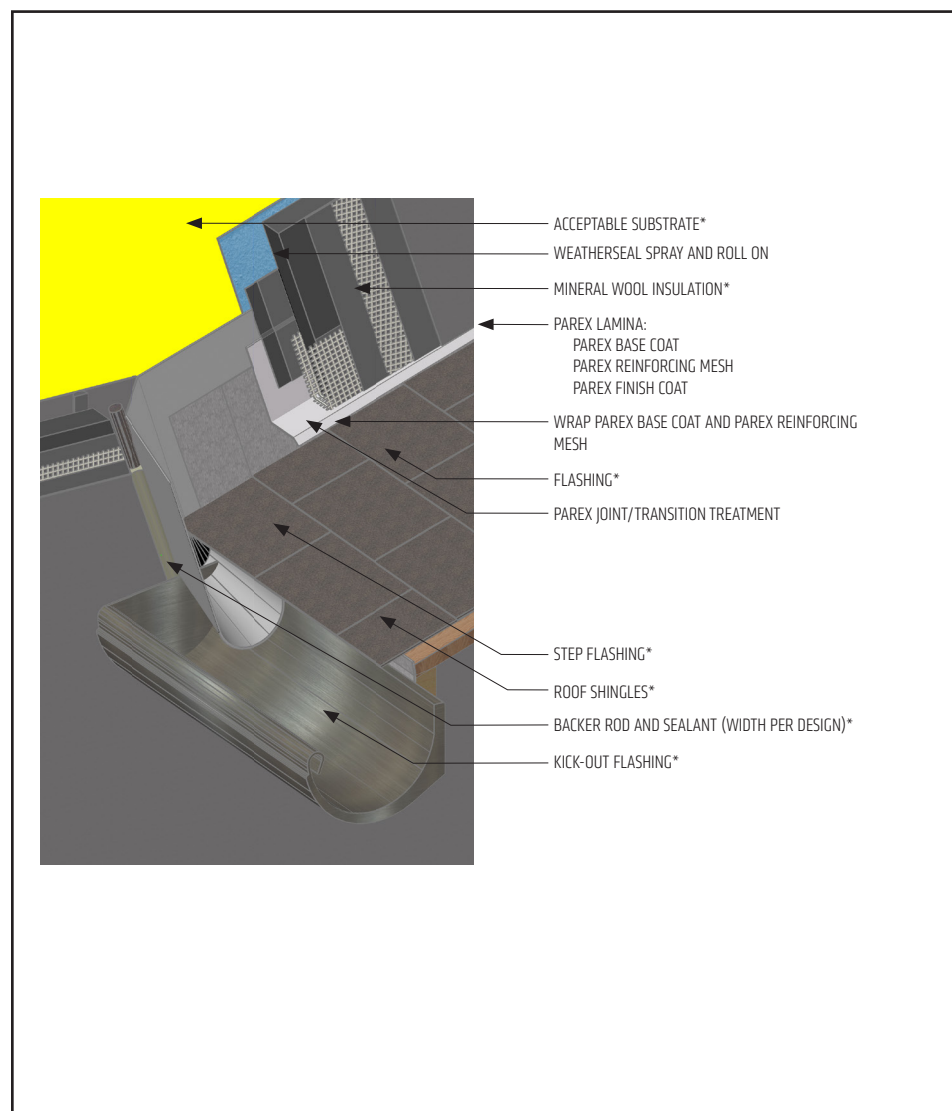
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Parex WaterMaster NC System

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 2 1/2" onto back of insulation board.
- Ensure a means for drainage is provided at system termination at roof.
- Terminate system a minimum of 2" (50 mm) above sloped roof.
- Ensure step flashing is a minimum of 2" (50 mm) behind system.
- Kick-out flashing shall be a minimum of 4" (102 mm) in height.
- Do not apply finish to areas that will receive sealant.
- Parex Joint/Transition Treatment Options: SikaWall MaxFlash, SikaWall Sheathing Fabric embedded in WeatherSeal Spray and Roll On or SikaWall Flash Seal NP.

PNC-23 0725

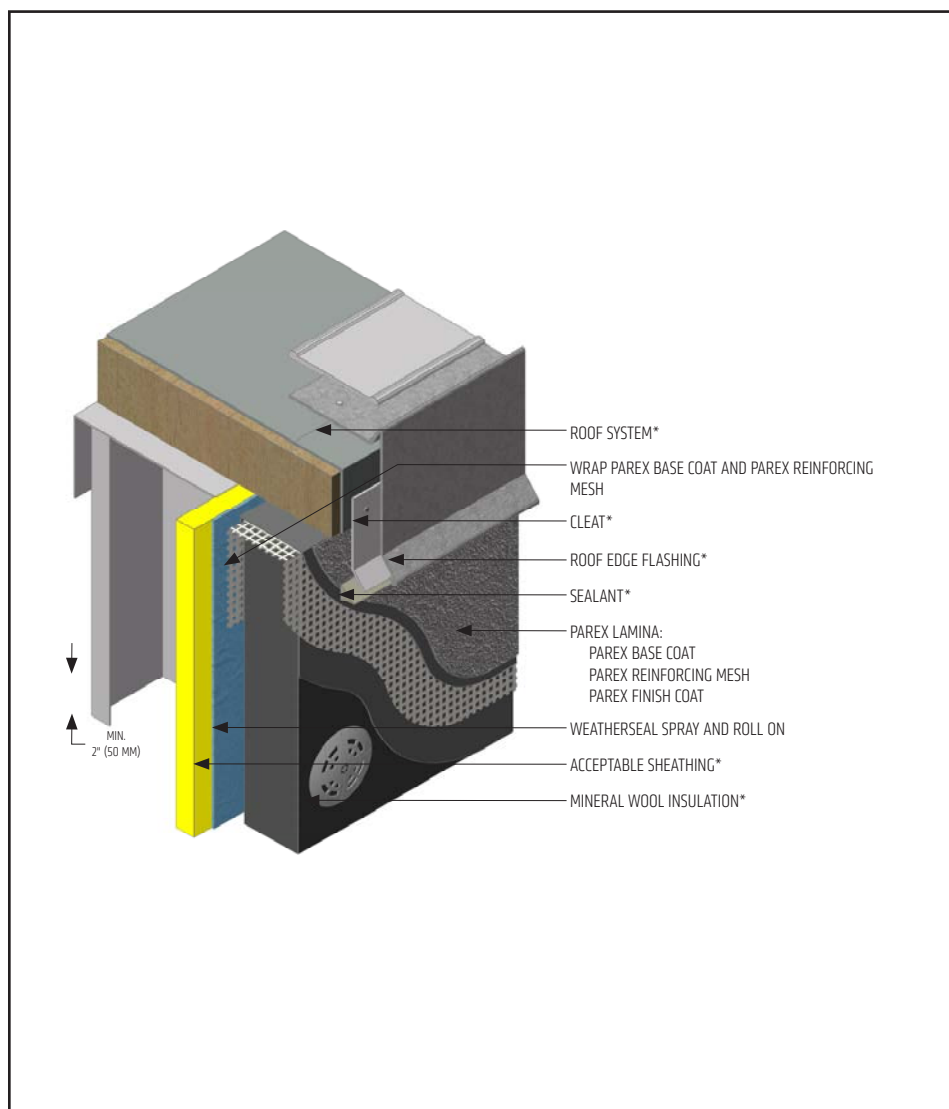
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Parex WaterMaster NC System

ROOF EDGE FLASHING



- All terminations must be fully encapsulated with mesh reinforced base coat. Extend reinforcing mesh a minimum of 2 1/2" onto back of insulation board.
- Ensure that metal coping/flashings extends onto the system a minimum of 2" (50 mm) down the face.
- Extend WeatherSeal Spray and Roll On or SikaWall MaxFlash onto bottom of blocking or provide alternate air seal at sheathing termination to blocking.
- Reference *Acceptable Sealants for use with Parex* Technical Bulletin for a list of sealants.

PNC-24 0725

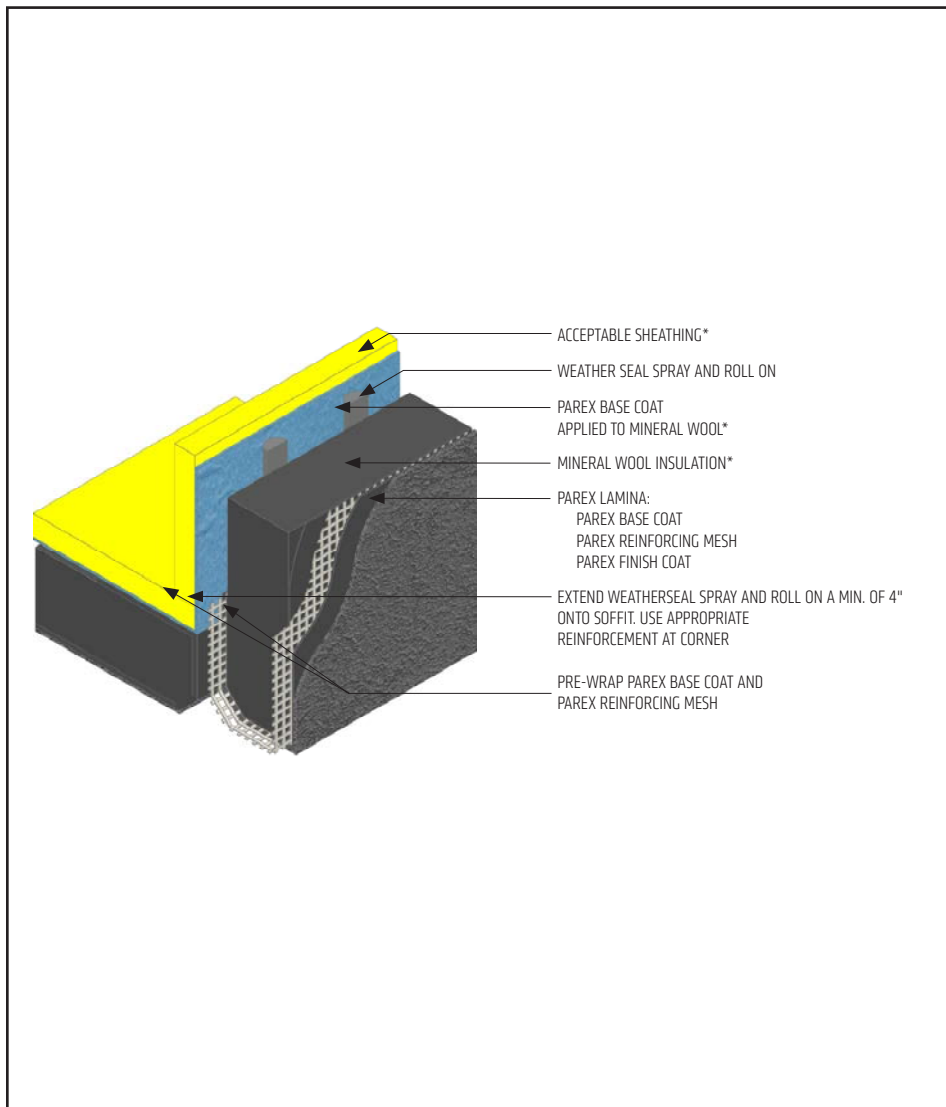
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Parex WaterMaster NC System

SECTION AT FASCIA / SOFFIT



PNC-25 0725

(*NOTE: BY OTHERS)

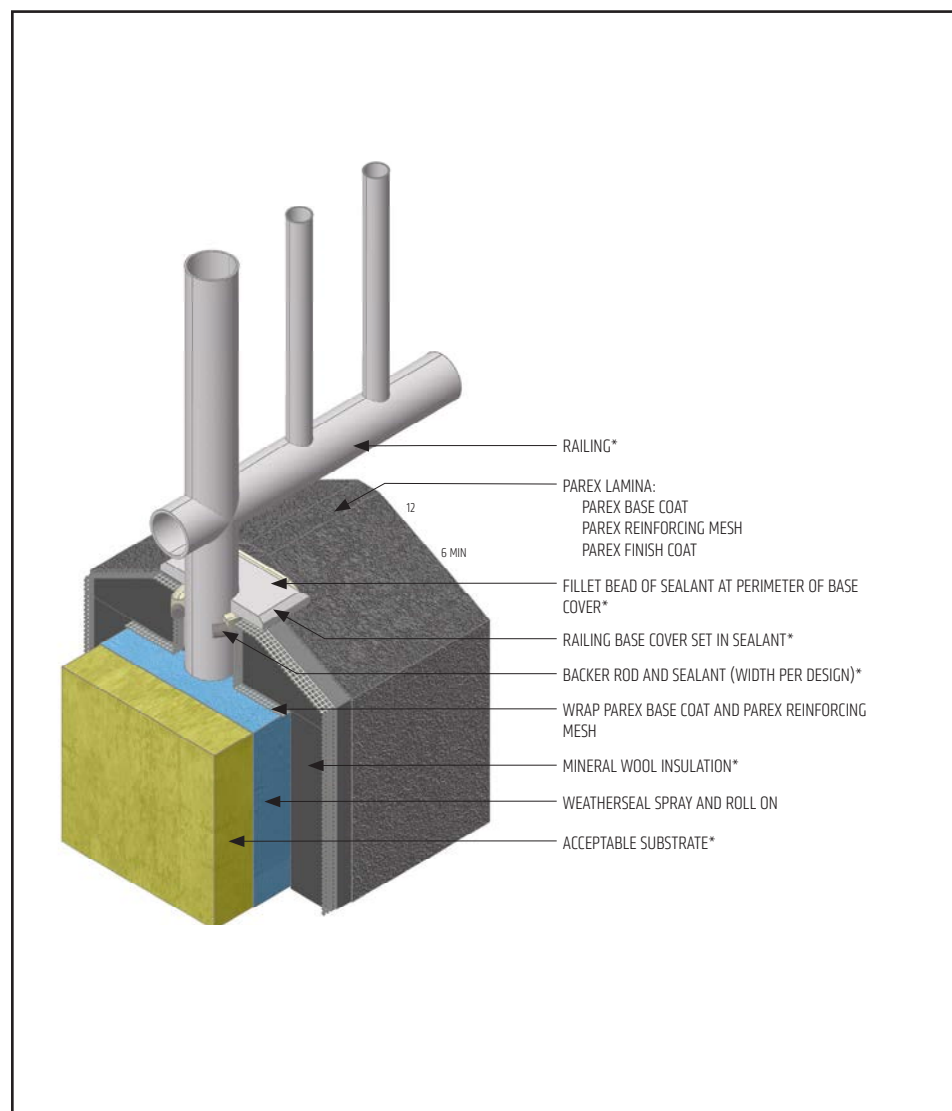
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- All terminations must be fully encapsulated with mesh reinforced base coat. Pre-backwrapping is recommended at drainage terminations. Extend reinforcing mesh a minimum of 2 1/2" onto back of insulation board.
- Ensure a means for drainage is provided at system termination at soffit/ fascia transition.
- Extend WeatherSeal Spray and Roll On a minimum of 4" (100mm) onto soffit. If necessary for air barrier continuity Weatherseal Spray and Roll On can be applied over the entire soffit.

Parex WaterMaster NC System

TYPICAL CORE MOUNTED RAILING ATTACHMENT



- All terminations must be fully encapsulated with mesh reinforced base coat. reinforcing mesh a minimum of 2 1/2" onto back of insulation board.
- Ensure all penetrations into the system are properly sealed.
- Reference *Acceptable Sealants for use with Parex* Technical Bulletin for a list of sealants.

PNC-26 0725

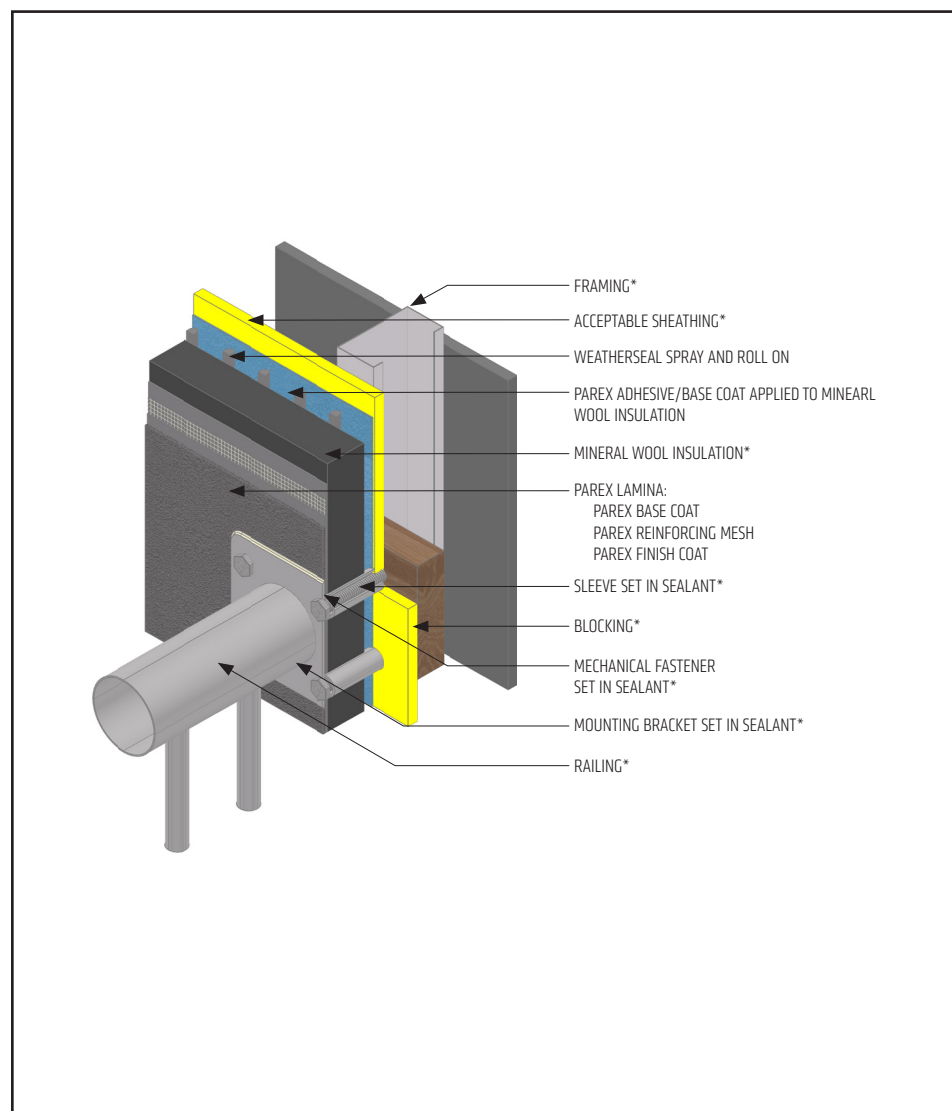
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Parex WaterMaster NC System

TYPICAL RAILING ATTACHMENT



- All terminations must be fully encapsulated with mesh reinforced base coat.
- Ensure all penetrations into the system are properly sealed.
- Reference *Acceptable Sealants for use with Parex* Technical Bulletin for a list of sealants.

PNC-27 0725

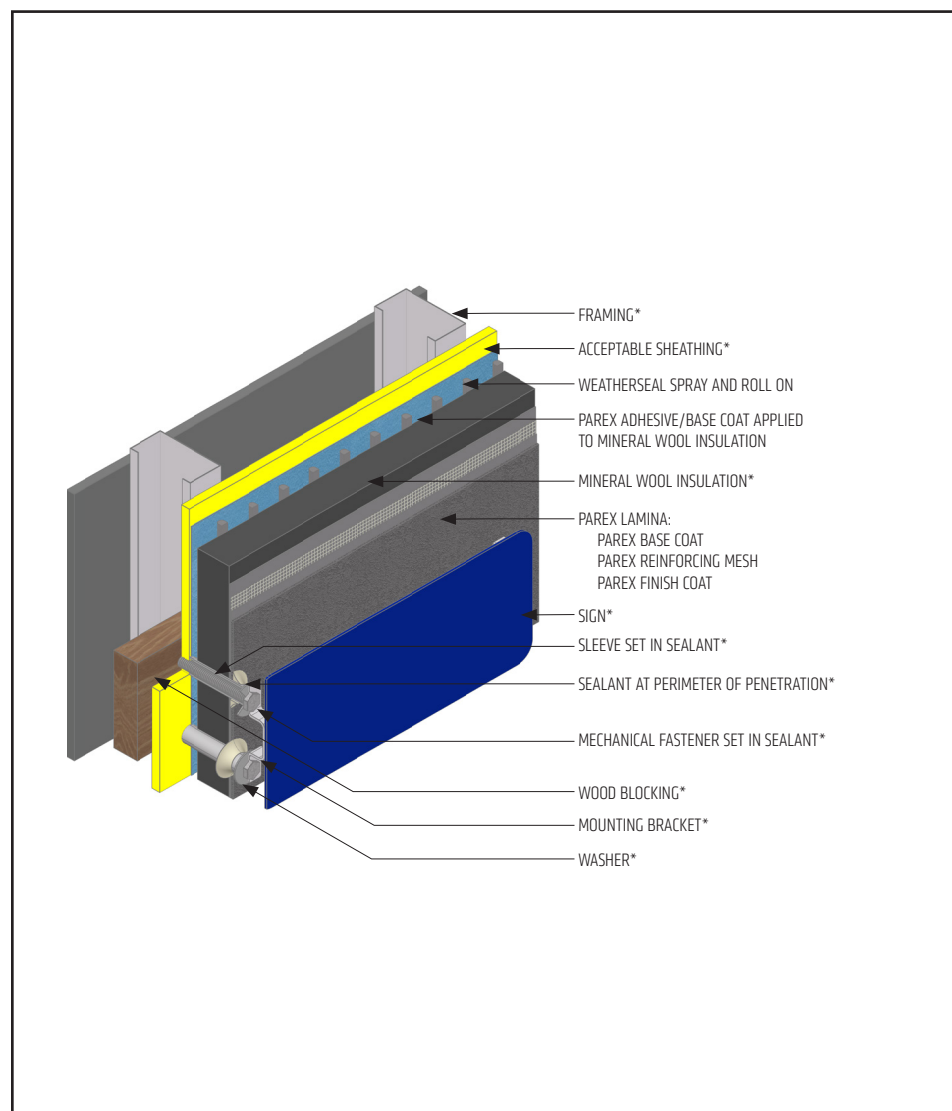
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Parex WaterMaster NC System

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 is by others.

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