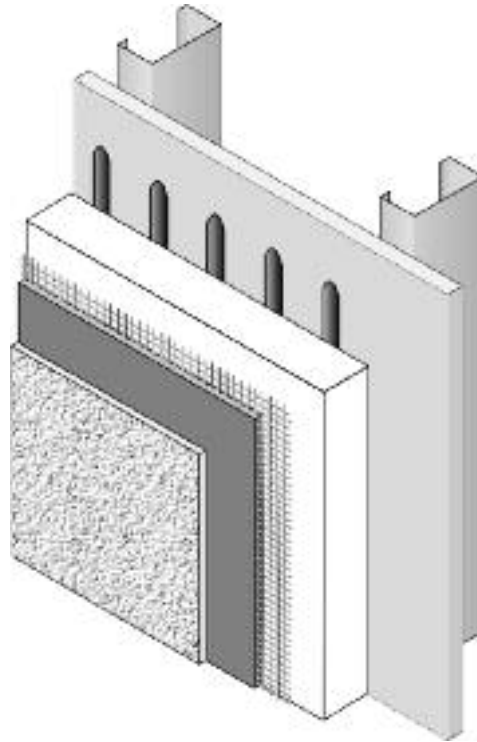


StoTherm[®] NExT

Insulated Wall Claddings



Specification and Details

StoTherm® NExT Insulated Wall Claddings

Short Form Guide Specification 100G

Section 07240

This specification is intended for use by the design/construction professional and any user of Sto products to assist in developing project specifications and to provide guidance on the application of an exterior insulation and finish system and air/moisture barrier over exterior wall sheathing. StoTherm NExT Systems are Exterior Insulation and Finish Systems (EIFS) consisting of five components—adhesive, insulation board, reinforcing mesh, base coat and finish coat. They function as decorative and protective insulating wall claddings. StoGuard™ is a waterproofing and air barrier consisting of two components—joint treatment and waterproof coating. StoGuard functions as an air barrier and moisture barrier over sheathing.

The secondary moisture protection provided by StoGuard protects wall sheathing against moisture damage during the construction process and in the event of a breach in the EIFS wall cladding while in service. It is not intended to correct faulty workmanship such as the absence or improper integration of flashing with the EIFS, nor is it intended to correct other defective components of construction such as windows that leak into the wall assembly. Flashing should always be integrated with the cladding to direct water to the exterior, not into the wall assembly, particularly at potential leak sources such as windows.

As a component of an air barrier system StoGuard minimizes the risk of condensation within the building envelope by eliminating mass transfer of warm, moisture-laden air into the wall assembly where it can condense. A complete air barrier system consists of individual air barrier components and the connections between them. The air barrier components must be continuous to become an effective air barrier system. The design/construction professional must take material compatibility and construction sequencing into account when designing an “air tight” assembly to ensure continuity and long term durability. The effects of air tightness on mechanical ventilation should also be included in the overall project evaluation.

An air barrier should not be confused with a vapor retarder, which may also be used in the wall assembly to retard water vapor diffusion and reduce the risk of condensation. Generally a vapor retarder is placed on the warm side of the wall. Specifically, it is placed on the interior side in cold climates. A vapor retarder may not be necessary depending on the wall components and the range of temperature/humidity conditions inside and outside. A vapor retarder should not be used on the inside of walls in warm humid climates.

Notes in italics, such as this one, are explanatory and intended to guide the design/construction professional and user in the proper selection and use of materials. This specification should be modified where necessary to accommodate individual project conditions.

****Refer to long form specifications E100G (StoTherm Essence NExT™), A100G (StoTherm Classic NExT®) and P100G (StoTherm Lotusan NExT™) for detailed information on substrates, performance data, mixing and installation instructions.****

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Materials and installation of Waterproofing/Air Barrier and EIF System.

1.02 DESIGN REQUIREMENTS

- A. Wind Load
 - 1. Design for maximum allowable system deflection, normal to the plane of the wall, of L/240.
 - 2. Design for wind load in conformance with code requirements.
- B. Moisture Control
 - 1. Prevent the accumulation of water behind the EIF system, either by condensation or leakage through the wall construction, in the design and detailing of the wall assembly.
 - a. Provide flashing to direct water to the exterior where it is likely to penetrate components in the wall assembly, including, above window and door heads, beneath window and door sills, at roof/wall intersections, decks, abutments of lower walls with higher walls, above projecting features, and at the base of the wall.
 - b. Air Leakage Prevention— provide continuity of air barrier system at foundation, roof, windows, doors and other penetrations through the system with connecting and compatible air barrier components to minimize condensation and leakage caused by air movement.
 - c. Vapor Diffusion and Condensation— perform a dew point analysis of the wall assembly to determine the potential for accumulation of moisture in the wall assembly as a result of water vapor diffusion and condensation. Adjust insulation thickness and/or other wall assembly components accordingly to minimize the risk of condensation. Avoid the use of vapor retarders on the interior side of the wall in warm, humid climates.

- C. Impact Resistance
 1. Provide ultra-high impact resistance up to a minimum height of 6'-0" (1.8 m) above finished grade at all areas accessible to pedestrian traffic and other areas exposed to abnormal stress or impact. Indicate the areas with impact resistance other than "Standard" on contract drawings.
- D. Color Selection
 1. Select finish coat with a light reflectance value of 20 or greater. (The use of dark colors is not recommended with EIF Systems that incorporate expanded polystyrene [EPS]. EPS has a service temperature limitation of approximately 160°F [71°C]).
- E. Joints
 1. Design minimum 3/4 inch (19 mm) wide expansion joints in the EIFS where they exist in the substrate or supporting construction, where the EIFS adjoins dissimilar construction or materials, at changes in building height, and at floor lines in multi-level wood frame construction.
 2. Design minimum 1/2 inch (13 mm) wide sealant joints at all penetrations through the EIFS (windows, doors, etc.).
 3. Specify compatible backer rod and sealant that has been evaluated in accordance with ASTM C 1382, "Test Method for Determining Tensile Adhesion Properties of Sealants When Used in Exterior Insulation and Finish System (EIFS) Joints," and that meets minimum 50% elongation after conditioning.
 4. Design joints in accordance with B.1.b so that air barrier continuity is maintained across the joint and drain joints to the exterior.
- F. Grade Condition
 1. Do not specify EIFS below grade (unless designed for use below grade and permitted by code) or for use on surfaces subject to continuous or intermittent water immersion or hydrostatic pressure.
- G. Trim, Projecting Architectural Features and Reveals
 1. All trim and projecting architectural features must have a minimum 1:2 [27°] slope along their top surface. All horizontal reveals must have a minimum 1:2 [27°] slope along their bottom surface. Increase slope for northern climates to prevent accumulation of ice/snow and water on surface. Where trim/feature or bottom surface of reveal projects more than 2 inches (50 mm) from the face of the EIFS wall plane, protect the top surface with waterproof base coat. Avoid the use of trim and features that exceed the maximum allowable thickness of EPS permitted by code (typically 4 inches [100 mm]) unless approved by the code official. Periodic inspections and increased maintenance may be required to maintain surface integrity of EIFS on weather exposed sloped surfaces. Limit projecting features to easily accessible areas and limit total area to facilitate maintenance and minimize maintenance burden. Refer to Sto details 1.04a and 1.04b.
 2. Do not use EIFS on weather exposed projecting ledges, sills, or other projecting features unless supported by framing or other structural support and protected with metal coping or flashing. Refer to Sto detail 1.61.
- H. Insulation Thickness
 1. Minimum EPS insulation thickness is 1 inch (25 mm).
 2. Maximum EPS insulation thickness is 12 inches (305 mm) when installed in accordance with ESR 1748 (including architectural features).
- I. Fire Protection
 1. Where a fire-resistance rating is required by code use EIFS over rated assembly (EIFS is considered not to add or detract from the fire-resistance of the rated assembly).
 2. Refer to manufacturer's applicable code compliance report for other limitations that may apply.

1.03 QUALITY ASSURANCE

- A. Manufacturer requirements
 1. Member in good standing of the EIFS Industry Members Association (EIMA).
 2. System manufacturer for a minimum of thirty (30) years.
 3. Manufacturer ISO 9001:2000 Quality System certified.
 4. Manufacturer's wall assembly listed in Gypsum Association Fire Resistance Design Manual.
- B. Contractor requirements
 1. Engaged in application of EIFS for a minimum of three (3) years.
 2. Knowledgeable in the proper use and handling of Sto materials.
 3. Employ skilled mechanics who are experienced and knowledgeable in EIFS application, and familiar with the requirements of the specified work.
 4. Successful completion of minimum of three (3) projects of similar size and complexity to the specified project.

5. Provide the proper equipment, manpower and supervision on the job site to install the system in compliance with Sto's published specifications and details and the project plans and specifications.
- C. Insulation board manufacturer requirements
 1. Recognized by Sto as capable of producing insulation board to meet system requirements, and hold a valid licensing agreement with Sto.
 2. Listed by an approved agency.
 3. Label insulation board with information required by Sto, the approved listing agency and the applicable building code.
 - D. Mock-up Testing
 1. Construct full-scale mock-up of typical EIFS/window wall assembly with specified tools and materials and test air and water infiltration and structural performance in accordance with ASTM E 283, E 331 and E 330, respectively, through independent laboratory. Mock-up shall comply with requirements of project specifications. Where mock-up is tested at job site maintain approved mock-up at site as reference standard. If tested off-site accurately record construction detailing and sequencing of approved mock-up for replication during construction.
 - E. Inspections
 1. Provide independent third party inspection where required by code or contract documents.
 2. Conduct inspections in accordance with code requirements and contract documents.

1.04 DELIVERY, STORAGE AND HANDLING

- A. Deliver all materials in their original sealed containers bearing manufacturer's name and identification of product.
- B. Protect coatings (pail products) from freezing and temperatures in excess of 90°F (32°C). Store away from direct sunlight.
- C. Protect Portland cement based materials (bag products) from moisture and humidity. Store under cover off the ground in a dry location.

1.05 COORDINATION/SCHEDULING

(The work in this section requires close coordination with related sections and trades)

- A. Provide site grading such that EIFS terminates above finished grade a minimum of 8 inches (200 mm) or as required by code.
- B. Coordinate installation of foundation waterproofing, roofing membrane, windows, doors and other wall penetrations to provide a continuous air barrier.
- C. Provide protection of rough openings before installing windows, doors, and other penetrations through the wall and provide sill flashing.
- D. Coordinate installation of windows and doors so air barrier components are connected to them to provide a continuous air barrier.
- E. Install window and door head flashing immediately after windows and doors are installed.
- F. Install diverter flashings wherever water can enter the wall assembly to direct water to the exterior.
- G. Install copings and sealant immediately after installation of the EIF system and when EIFS coatings are dry.
- H. Attach penetrations through EIFS to structural support and provide water tight seal at penetrations.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Provide Waterproofing/Air Barrier, EIF System and accessories from single source manufacturer or approved supplier.

- B. The following are acceptable manufacturers:
1. Sto Corp.– Waterproofing/Air Barrier and EIF System
 2. Plastic Components, Inc.– Accessories

2.02 AIR/MOISTURE BARRIER

- A. StoGuard™ – fluid applied air/moisture barrier for exterior wall sheathing.

2.03 ADHESIVE (select one)

StoTherm Essence NExT™	StoTherm Classic NExT®	StoTherm Lotusan NExT™
Sto Primer/Adhesive-B	Sto BTS® <i>Plus</i>	Sto BTS® <i>Plus</i>
Sto Primer/Adhesive	Sto BTS® <i>Silo</i>	Sto BTS® <i>Silo</i>
Sto Dispersion Adhesive	Sto Dispersion Adhesive	Sto Dispersion Adhesive
	Sto BTS® <i>FastSet</i>	Sto BTS® <i>FastSet</i>
	Sto BTS® <i>NC</i>	Sto BTS® <i>NC</i>
	Sto BTS® <i>Xtra</i>	Sto BTS® <i>Xtra</i>

- A. Sto BTS® *Plus* – one-component, polymer-modified, cement base high build adhesive.
- B. Sto BTS® *Silo* – one-component, polymer-modified, cement base high build adhesive specially formulated for use with StoMachine Technology equipment.
- C. Sto Primer/Adhesive-B – one-component, polymer-modified, cement based adhesive.
- D. Sto Primer/Adhesive – two-component, acrylic-based adhesive mixed with Portland cement.
- E. Sto Dispersion Adhesive – non-cementitious, acrylic based adhesive.
- F. Sto BTS® *FastSet* (aka Sto *Fast Set* Dry Adhesive/Base) – one-component, polymer modified, cement based, fast setting high build adhesive.
- G. Sto BTS® *NC* – one-component, polymer-modified, cement based, non-combustible high build adhesive.
- H. Sto BTS® *Xtra* – one-component, polymer-modified, cement based dry powder lightweight adhesive.

2.04 INSULATION BOARD

- A. Nominal 1.0 lb/ft³ (16 kg/m³) Expanded Polystyrene (EPS) Insulation Board in compliance with ASTM C 578 Type I requirements, and EIMA Guideline Specification for Expanded Polystyrene (EPS) Insulation Board.

2.05 BASE COAT (select one. Select E to supplement others on surfaces that require waterproofing)

StoTherm Essence NExT™	StoTherm Classic NExT®	StoTherm Lotusan NExT™
Sto Primer/Adhesive-B	Sto BTS® <i>Plus</i>	Sto BTS® <i>Plus</i>
Sto Primer/Adhesive	Sto BTS® <i>Silo</i>	Sto BTS® <i>Silo</i>
Sto Flexyl	Sto Flexyl	Sto Flexyl
	Sto RFP	Sto RFP
	Sto BTS® <i>FastSet</i>	Sto BTS® <i>FastSet</i>
	Sto BTS® <i>NC</i>	Sto BTS® <i>NC</i>
	Sto BTS® <i>Xtra</i>	Sto BTS® <i>Xtra</i>

- A. Sto BTS® *Plus* – one-component, polymer modified, cement based high build base coat with less than 33 percent Portland cement content by weight and capable of achieving minimum 1/16 inch (1.6 mm) thickness in a single pass.
- B. Sto BTS® *Silo* – one-component, polymer modified, cement based high build base coat specially formulated for use with StoMachine Technology labor saving equipment and capable of achieving minimum 1/16 inch (1.6 mm) thickness in a single pass.
- C. Sto Primer/Adhesive-B – one-component, polymer-modified, cement based base coat.
- D. Sto Primer/Adhesive – two-component, acrylic-based base coat mixed with Portland cement.
- E. Sto Flexyl – two-component, fiber reinforced, acrylic based waterproof base coat mixed with Portland cement.
- F. Sto RFP – one-component, ready mixed, non-cementitious fiber reinforced acrylic base coat.
- G. Sto BTS® *FastSet* (aka Sto *Fast Set Dry Adhesive/Base*) – one-component, polymer modified, cement based, high build, fast setting base coat capable of achieving minimum 1/16 inch (1.6 mm) thickness in a single pass.
- H. Sto BTS® *NC* – one-component, polymer modified, cement based high build non-combustible base coat.
- I. Sto BTS® *Xtra* – one-component, polymer-modified, cement based dry powder lightweight high build base coat.

2.06 REINFORCING MESHES

- A. Standard Mesh
 - 1. Sto Mesh – nominal 4.5 oz./yd² (153 g/m²), symmetrical, interlaced open-weave glass fiber fabric made with alkaline resistant coating for compatibility with Sto materials (achieves Standard Impact Classification).
- B. Ultra-High Impact Mesh
 - 1. Sto Armor Mat – nominal 15 oz./yd² (509 g/m²), ultra-high impact, double strand, interwoven, open-weave glass fiber fabric with alkaline resistant coating for compatibility with Sto materials (recommended to a minimum height of 6'-0" [1.8 m] above finished grade at all areas accessible to pedestrian traffic and other areas exposed to abnormal stress or impact). Achieves Ultra-High Impact Classification when applied beneath Sto Mesh.

2.07 PRIMER *(optional component – required with Sto GraniTex, Sto Decocoat & StoCreativ® Granite finishes)*

- A. Sto Primer acrylic based tinted primer.

2.08 FINISH COAT *(select one)*

StoTherm Essence NExT™	StoTherm Classic NExT®	StoTherm Lotusan NExT™
Sto Essence DPR	Stolit®	Stolit® Lotusan®
	Sto Limestone	
	Sto GraniTex	
	Sto Decocoat	
	StoCreativ® Granite	

- A. Stolit® – acrylic based textured wall coating with graded marble aggregate and Optilink® advanced polymer technology.
- B. Sto Essence DPR – acrylic based textured wall coating with marble aggregate and Dirt Pick-up Resistance technology.
- C. Stolit® Lotusan® – with *Lotus-Effect*®, a textured wall coating with BIONICS® technology that mimics the self cleaning capabilities of the lotus leaf.
- D. Sto Limestone – acrylic based textured wall coating with graded marble aggregate, *(requires application of two Stolit® finishes, in two separate applications)*.

- E. Sto GraniTex – acrylic based textured wall coating with variegated colored aggregates.
- F. Sto Decocoat – acrylic based textured coating with variegated colored quartz aggregates.
- G. StoCreativ® Granite – acrylic textured wall coating with variegated colored aggregates including mica flakes.

2.09 JOB MIXED INGREDIENTS

- A. Water – Clean and potable.
- B. Portland Cement – Type 1.

2.10 ACCESSORIES

- A. Starter Track – Rigid PVC (polyvinyl chloride) plastic track Part No. STDE as furnished by Plastic Components, Inc., 9051 NW 97th Terrace, Miami, Florida 33178 (800 327-7077).

PART 3 EXECUTION

3.01 INSTALLATION

- A. Install Waterproofing/Air Barrier and EIFS in compliance with manufacturer’s published instructions.

3.02 PROTECTION

- A. Provide protection of installed materials from water infiltration into or behind them.
- B. Provide protection of installed materials from dust, dirt, precipitation, freezing and continuous high humidity until they are fully dry.

ATTENTION

Sto products are intended for use by qualified professional contractors, not consumers, as a component of a larger construction assembly as specified by a qualified design professional, general contractor or builder. They should be installed in accordance with those specifications and Sto’s instructions. Sto Corp. disclaims all, and assumes no, liability for on-site inspections, for its products applied improperly, or by unqualified persons or entities, or as part of an improperly designed or constructed building, for the nonperformance of adjacent building components or assemblies, or for other construction activities beyond Sto’s control. Improper use of Sto products or use as part of an improperly designed or constructed larger assembly or building may result in serious damage to this product, and to the structure of the building or its components. **STO CORP. DISCLAIMS ALL WARRANTIES EXPRESSED OR IMPLIED EXCEPT FOR EXPLICIT LIMITED WRITTEN WARRANTIES ISSUED TO AND ACCEPTED BY BUILDING OWNERS IN ACCORDANCE WITH STO’S WARRANTY PROGRAMS WHICH ARE SUBJECT TO CHANGE FROM TIME TO TIME.** For the fullest, most current information on proper application, clean-up, mixing and other specifications and warranties, cautions and disclaimers, please refer to the Sto Corp. website, www.stocorp.com.

StoTherm® NEXt Details

- 10.00** System Components
- 10.10a** Termination at Grade: Sheathing Flush with Foundation
- 10.10b** Termination at Grade: Sheathing over Foundation
- 10.11** Termination at Protected Sidewalk
- 10.23a** Preparation of Rough Opening
- 10.23b** Installation at Head Flashing
- 10.23c** Installation of Sill Flashing Beneath Sill Feature
- 10.24a** Commercial Window Head
- 10.24b** Commercial Window Head
- 10.25a** Commercial Window Jamb
- 10.25b** Commercial Window Jamb with Fillet Perimeter Seal
- 10.26a** Commercial Window Sill
- 10.26b** Commercial Window Sill with Fillet Perimeter Seal
- 10.27** Flanged Window Head
- 10.28** Flanged Window Jamb
- 10.29** Flanged Window Sill
- 10.29a** Flanged Window Sill: Concealed Flashing
- 10.30** Unvented Insulated Soffit
- 10.31** Vented Uninsulated Soffit
- 10.33** Unvented Insulated Soffit (without Starter Track)
- 10.40** Floor Line without Joint
- 10.41b** Floor Line with Joint: Noncombustible Construction
- 10.42** Horizontal Joint at Dissimilar Material
- 10.50** Vertical Joint at Dissimilar Material
- 10.51** Vertical Joint at Inside Corner
- 10.60** Termination at Parapet Cap
- 10.61** Termination at Feature Parapet
- 10.62a** Preparation of Roof / Wall Abutment
- 10.62b** Roof / Wall Abutment
- 10.65a** StoGuard™ Installation Prior to Saddle Flashing
- 10.65b** Saddle Flashing Assembly
- 10.65c** Saddle Flashing at Lower to Higher Wall Abutment
- 10.70** System Prepared for Penetration
- 10.75** Scupper Penetration
- 10.81a** Structural Connection to Substrate
- 10.81b** Removable Structural Connection to Substrate
- 10.82** Sign Attachment
- 10.01** System Components over Masonry
- 2.00** System Components over Wood Frame

	StoTherm® EIFS NEXt			StoTherm® EIFS	
	Commercial/ Steel Studs	Commercial/ Masonry	Residential/ Wood Frame	Commercial/ Steel Studs	Masonry
System					
System Components	10.00	10.01	2.00	1.00a	1.01, 18.00
System Components with Ultra-High Impact Mesh				1.00b	18.01a
CMU - Moisture Protection	20.01				
CMU - Air & Moisture Barrier	20.02				
One & Two Hour Fire-Rated Assemblies				1.80	
Terminations					
Termination at Grade			2.10	1.10	
Termination at Grade: sheathing flush with foundation	10.10a				
Termination at Grade: sheathing over foundation	10.10b				
Termination at Grade: concealed starter track	10.10c				
Termination at Grade: with Below-grade Waterproofing			2.11		
Termination at Sidewalk/Steps				1.11a	
Termination at Sidewalk (Protected sidewalk)	10.11			1.11b	
Termination at Sidewalk: with expansion joint					18.01
Termination with Uni-Track: Non-combustible construction	10.15				
Termination with Uni-Track: combustible construction	10.16				
Termination at Balcony				1.12	
Termination at Parapet Cap	10.60			1.60	18.60b
Termination at Feature Parapet	10.61			1.61	
Termination at Roof Rake			2.62		
Termination at Flat Roof with Gravel Stop					18.60a
Termination at Eave					18.63
Termination at Built-Out Feature					18.53
Termination at Fixture Penetration through EIFS					18.73
Floor Line					
Floor Line without Joint	10.40			1.40	
Floor Line with Joint				1.41	18.41
Floor Line with Joint: noncombustible construction	10.41b , 10.41d		2.50		
Joints					
Horizontal Joint at Dissimilar Material	10.42			1.42	18.42
Vertical Joint at Dissimilar Material	10.50			1.50	18.50
Vertical Joint at Inside Corner	10.51			1.51	

Detail numbers indicated in bold type are included in this booklet.

	StoTherm® EIFS NEXt			StoTherm® EIFS	
	Commercial/ Steel Studs	Commercial/ Masonry	Residential/ Wood Frame	Commercial/ Steel Studs	Masonry
Windows & Rough Openings					
Rough Opening Preparation	10.23a		2.20		18.24a1
Rough Opening - Sill Preparation			2.22		
Window Head Flashing Installation	10.23b		2.21		
Window Head Commercial (seal & backer rod)	10.24a			1.23a	
Window Head Commercial (fillet seal)	10.24b			1.23b	
Window Head - Flanged	10.27		2.23		
Window Head/Jamb: Window Installed					18.24a2
Window Head/Jamb: StoTherm® EIFS return & Perimeter Seals					18.24a3
Window Jamb Commercial (seal & backer rod)	10.25a			1.24a	
Window Jamb Commercial (fillet seal)	10.25b			1.24b	
Window Jamb - Flanged	10.28				
Window Sill Commercial (seal & backer rod)	10.26a			1.25a	
Window Sill Commercial (fillet seal)	10.26b			1.25b	
Window Sill - Flanged	10.29				
Window Sill - Flanged (concealed flashing)	10.29a				
Window Sill - Rough Opening Protection and Pan Flashing at Sill					18.26a1
Window Sill/Jamb - Rough Opening Protection and Pan Flashing with Window Installed					18.26a2
Window Sill/Jamb - Window Installed with StoTherm® EIFS return and Perimeter Seals					18.26a3
Sill Flashing - Installation beneath Sill Feature	10.23c				
Sill Flashing - Nail Fin Window over Wood Frame			2.24		
Sill Flashing - Brick Mold Window over Wood Frame			2.26		
Roofs & Saddle Flashing					
Roof/Wall Interface - Preparation	10.62a				
Roof/Wall Abutment	10.62b				
Roofing Termination at Parapet	10.64				
Saddle Flashing - StoGuard Installation	10.65a				
Saddle Flashing - Assembly	10.56b			1.65b	
Saddle Flashing at Lower to Higher Wall Abutment	10.65c			1.65a	

Detail numbers indicated in bold type are included in this booklet.

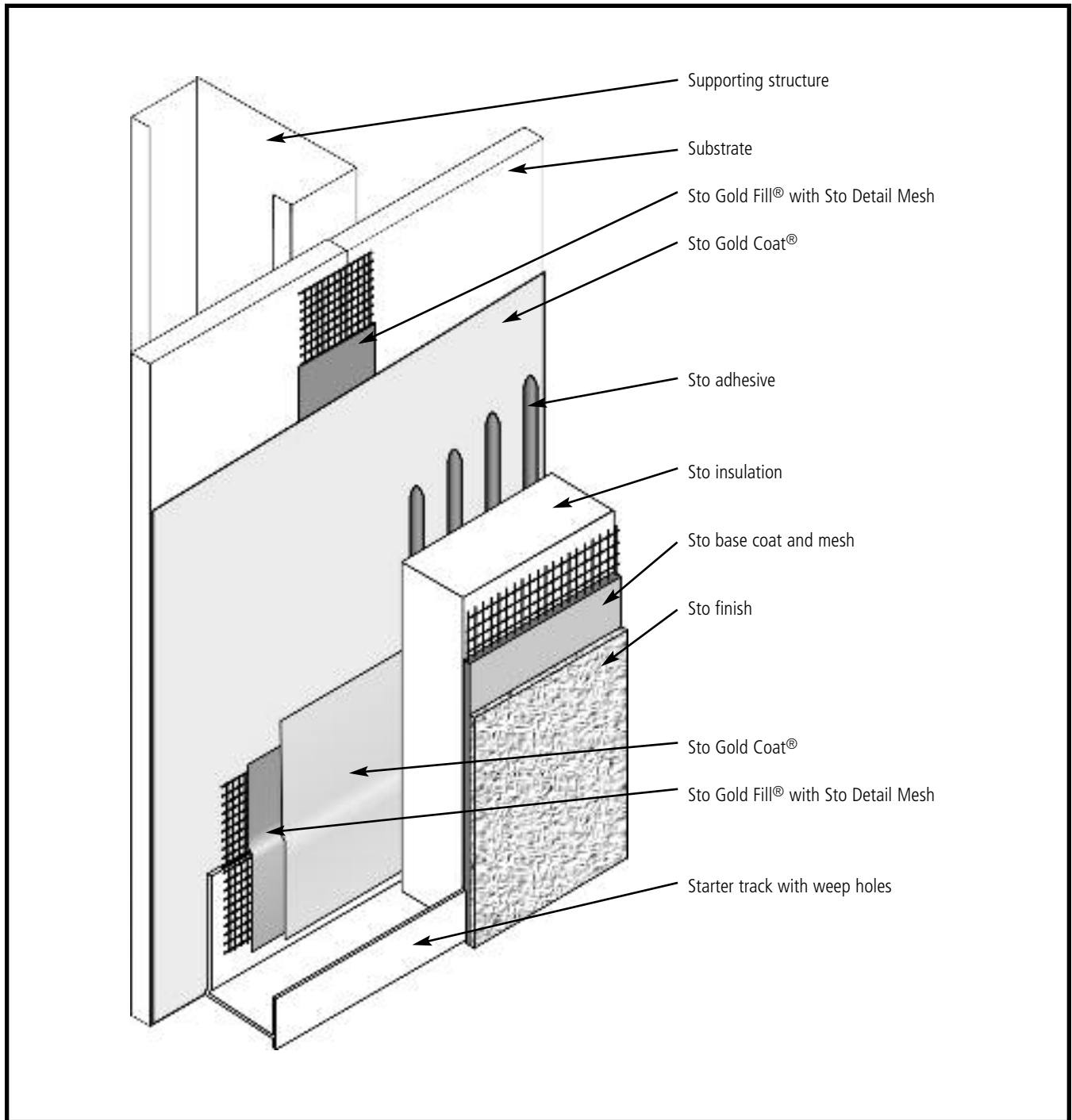
All listed details are available at www.stocorp.com

	StoTherm® EIFS NExT			StoTherm® EIFS	
	Commercial/ Steel Studs	Commercial/ Masonry	Residential/ Wood Frame	Commercial/ Steel Studs	Masonry
Penetrations					
System Penetration - Preparation	10.70			1.70	
System Penetration - Scupper	10.75			1.75	18.75
System Penetration - Pipe					18.76
Structural Connection to Substrate (StoGuard™ Seal)	10.81a			1.81	
Structural Connection to Substrate (Barrier Membrane)	10.81b				
Sign Attachment	10.82			1.82	
Structural Penetration				1.83	
Surface Mount Fixture - Attachment through StoTherm® EIFS			2.73		18.74
Deck Connection			2.32		
Downspout Attachment			2.74		
Aesthetic Elements					
Aesthetic Features & Coatings over Masonry				1.02	
Aesthetic Reveals				1.03	
Aesthetic Band/Projection - 2" - 4"				1.04a	
Aesthetic Band/Projection - Up to 2"				1.04b	
StoTherm® NExT EIFS - With StoCreative Brick Finish	10.05				
Soffits					
Soffit - Unvented Insulated	10.30			1.30	
Soffit - Unvented Insulated (without Starter Track)	10.33				
Soffit - Vented Uninsulated	10.31			1.31	

Detail numbers indicated in bold type are included in this booklet.

All listed details are available at www.stocorp.com

NOTES



Notes:

Detail shows the components of a StoTherm® Exterior Insulation and Finish System (EIFS) with StoGuard™ Moisture Protection.

StoGuard™:

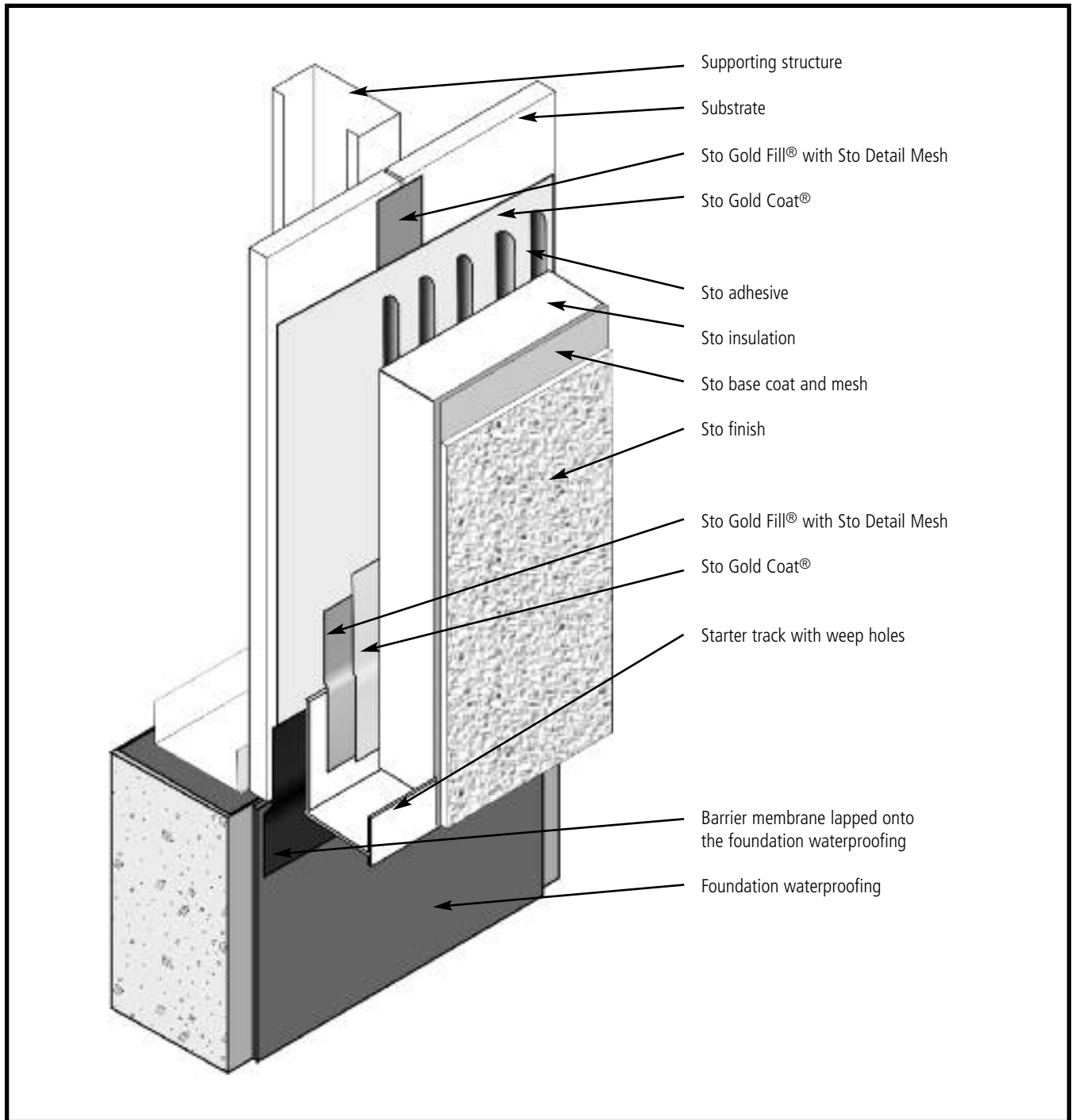
- 1) Sto Gold Fill® with Sto Detail Mesh
- 2) Sto Gold Coat®

StoTherm®:

- 1) Sto adhesive
- 2) Sto insulation
- 3) Sto base coat
- 4) Sto mesh
- 5) Sto finish

Sto Gold Coat® and Sto Gold Fill® are registered trademarks of Sto Corp.

Sto details are illustrations of construction. They are guidelines, intended for use by the design/construction professional, to assist in developing project specific details. They should be modified where necessary to accommodate individual project conditions. Refer to appropriate Sto specification for design requirements. Refer to local building code for any special requirements.

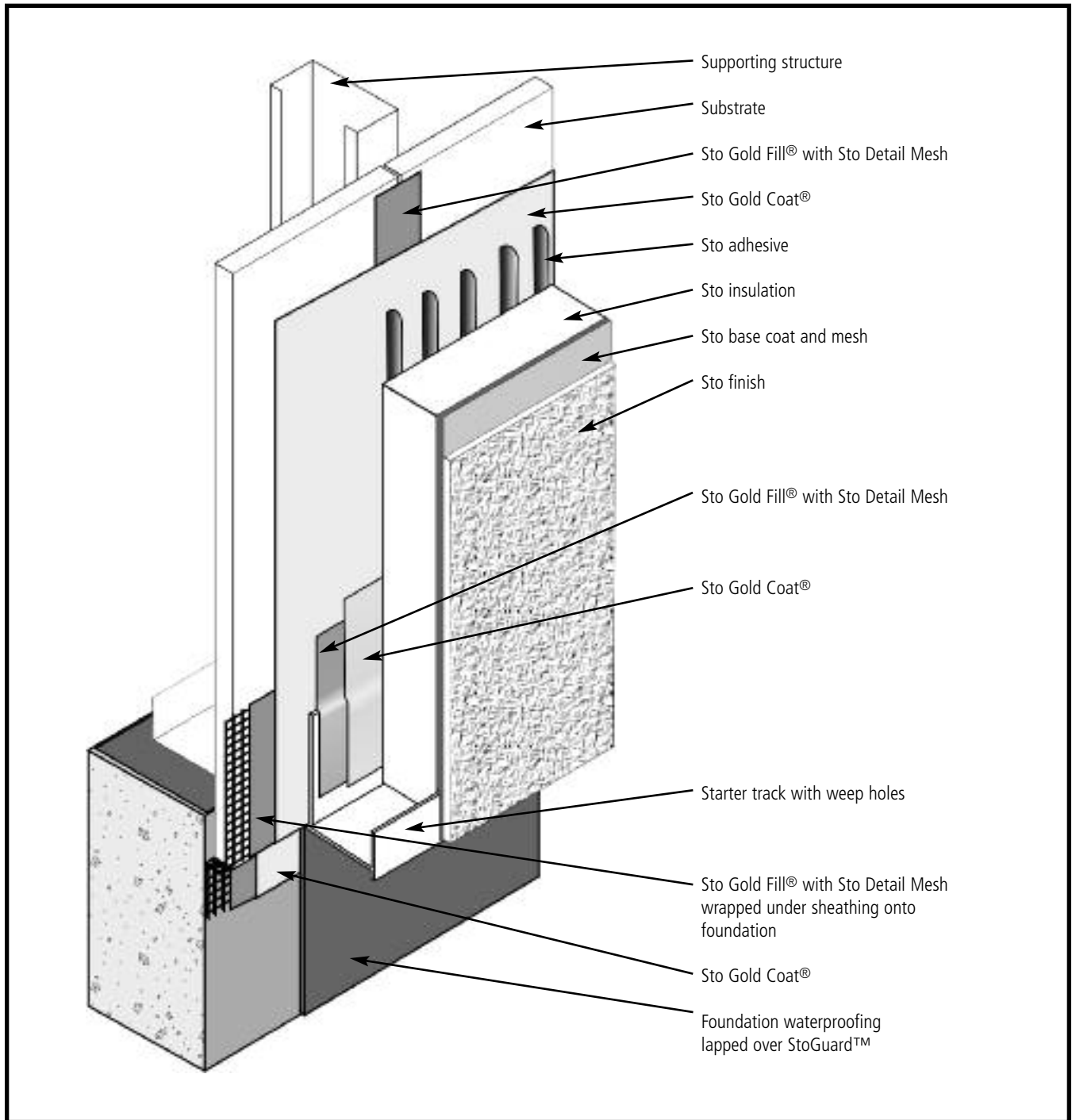


Notes:

- 1] Protect wall assembly from rising damp.
- 2] Terminate system a minimum of 8" (200 mm) above grade or as required by code.
- 3] Direct sprinklers away from the wall.
- 4] Protect the wall from dirt accumulation by covering exposed earth where back-splash may occur.
- 5] Provide ultra-high impact resistance (Sto Detail 1.00b) to a minimum height of 6'-0" (1.8 m) above finished grade at areas accessible to pedestrian traffic and other areas exposed to abnormal stress or impact.

Sto Gold Coat® and Sto Gold Fill® are registered trademarks of Sto Corp.

Sto details are illustrations of construction. They are guidelines, intended for use by the design/construction professional, to assist in developing project specific details. They should be modified where necessary to accommodate individual project conditions. Refer to appropriate Sto specification for design requirements. Refer to local building code for any special requirements.

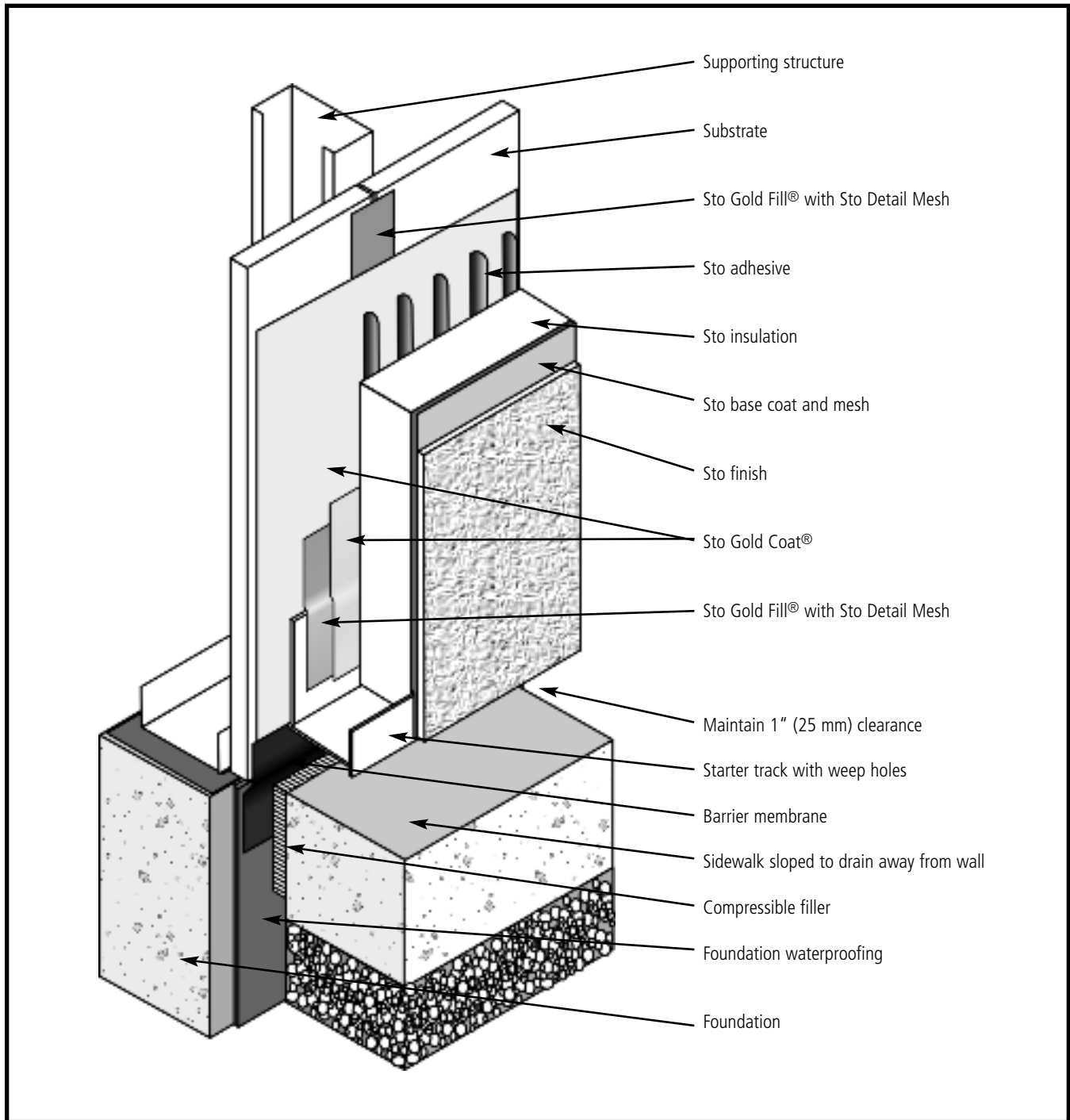


Notes:

- 1] Protect wall assembly from rising damp.
- 2] Terminate system a minimum of 8" (200 mm) above grade or as required by code.
- 3] Direct sprinklers away from the wall.
- 4] Protect the wall from dirt accumulation by covering exposed earth where back-splash may occur.
- 5] Provide ultra-high impact resistance (Sto Detail 1.00b) to a minimum height of 6'-0" (1.8 m) above finished grade at areas accessible to pedestrian traffic and other areas exposed to abnormal stress or impact.

Sto Gold Coat® and Sto Gold Fill® are registered trademarks of Sto Corp.

Sto details are illustrations of construction. They are guidelines, intended for use by the design/construction professional, to assist in developing project specific details. They should be modified where necessary to accommodate individual project conditions. Refer to appropriate Sto specification for design requirements. Refer to local building code for any special requirements.

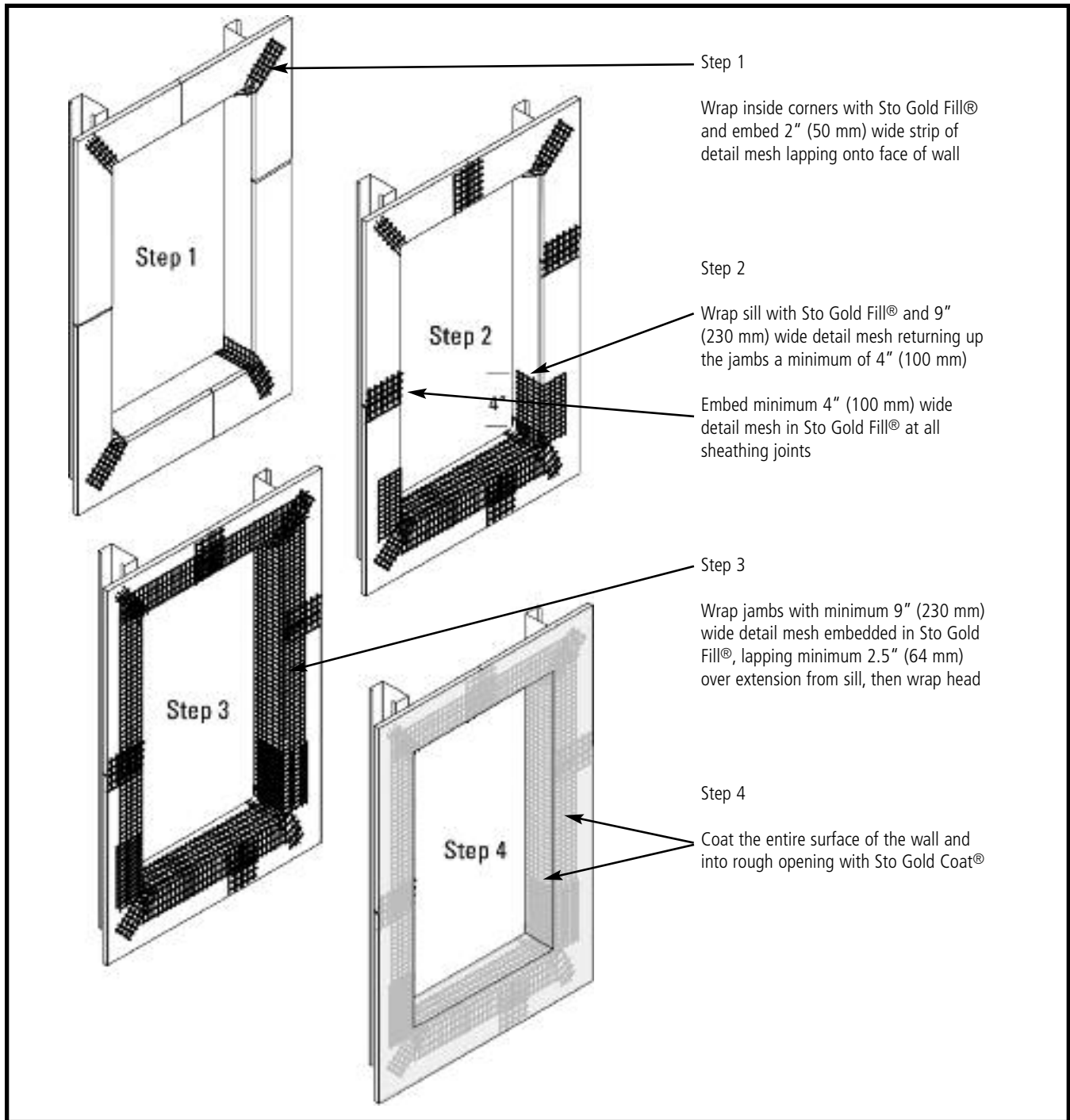


Notes:

- 1] Restrict the use of this detail to weather-protected walls.
- 2] Provide a positive slope of sidewalk away from the wall.
- 3] Protect wall assembly from rising damp.
- 4] Provide ultra-high impact resistance (Sto detail 1.00b) to a minimum height of 6'-0" (1.8 m) above finished grade at areas accessible to heavy pedestrian traffic and other areas exposed to abnormal stress or impact.

Sto Gold Coat® and Sto Gold Fill® are registered trademarks of Sto Corp.

Sto details are illustrations of construction. They are guidelines, intended for use by the design/construction professional, to assist in developing project specific details. They should be modified where necessary to accommodate individual project conditions. Refer to appropriate Sto specification for design requirements. Refer to local building code for any special requirements.

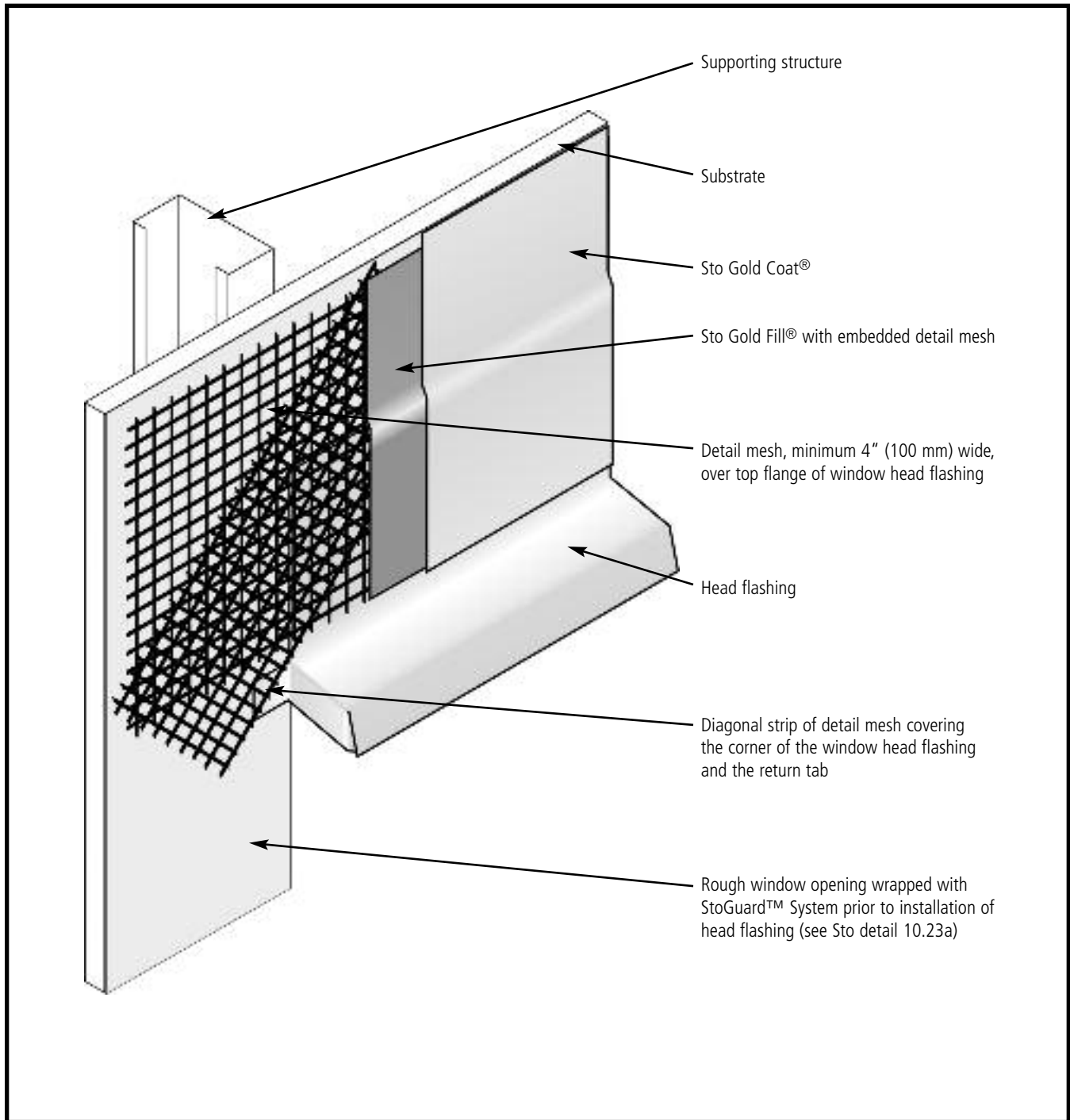


Notes:

- 1] Prepare opening prior to the installation of the window or mechanical equipment. Create a slope to the exterior at the sill with a sill wedge.
- 2] Incorporate flashing as illustrated in 10.23b and 10.23c or as per other details where flashing is shown (e.g. 10.25).
- 3] The complete installation of window or mechanical equipment should include an air seal between the object and the StoGuard™ protection inbound of the outer sealant joint.

Sto Gold Coat® and Sto Gold Fill® are registered trademarks of Sto Corp.

Sto details are illustrations of construction. They are guidelines, intended for use by the design/construction professional, to assist in developing project specific details. They should be modified where necessary to accommodate individual project conditions. Refer to appropriate Sto specification for design requirements. Refer to local building code for any special requirements.

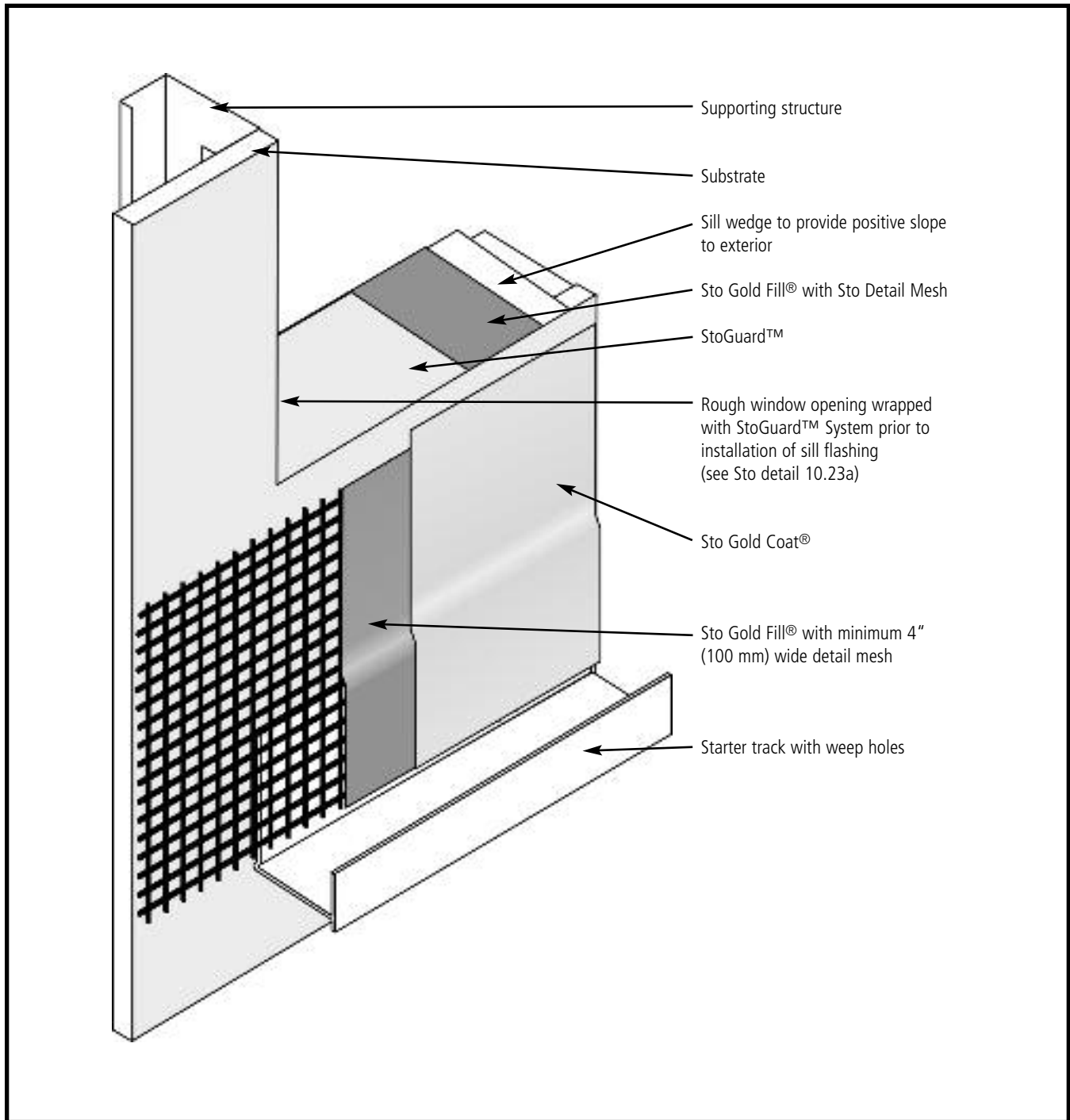


Notes:

- 1] Provide head flashing as required by local building codes and window manufacturer.
- 2] Coordinate StoGuard™ installation sequence with window installer and other related trades.

Sto Gold Coat® and Sto Gold Fill® are registered trademarks of Sto Corp.

Sto details are illustrations of construction. They are guidelines, intended for use by the design/construction professional, to assist in developing project specific details. They should be modified where necessary to accommodate individual project conditions. Refer to appropriate Sto specification for design requirements. Refer to local building code for any special requirements.

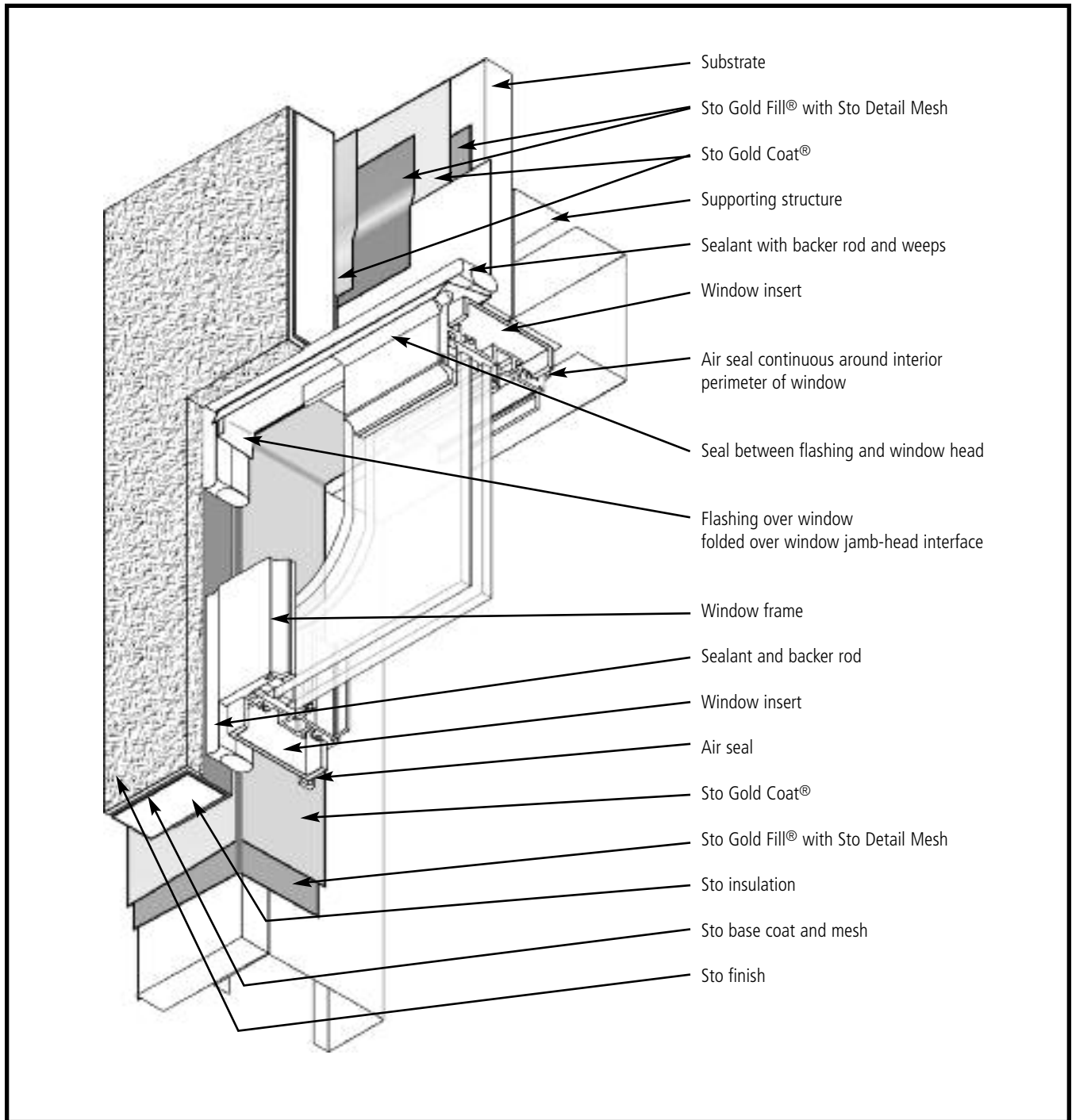


Notes:

- 1] Provide starter track as part of the sub-sill drainage assembly used in lieu of flashing. (Refer to Sto detail 10.28 and 10.29.)
- 2] Coordinate StoGuard™ installation sequence with window installer and other related trades.

Sto Gold Coat® and Sto Gold Fill® are registered trademarks of Sto Corp.

Sto details are illustrations of construction. They are guidelines, intended for use by the design/construction professional, to assist in developing project specific details. They should be modified where necessary to accommodate individual project conditions. Refer to appropriate Sto specification for design requirements. Refer to local building code for any special requirements.

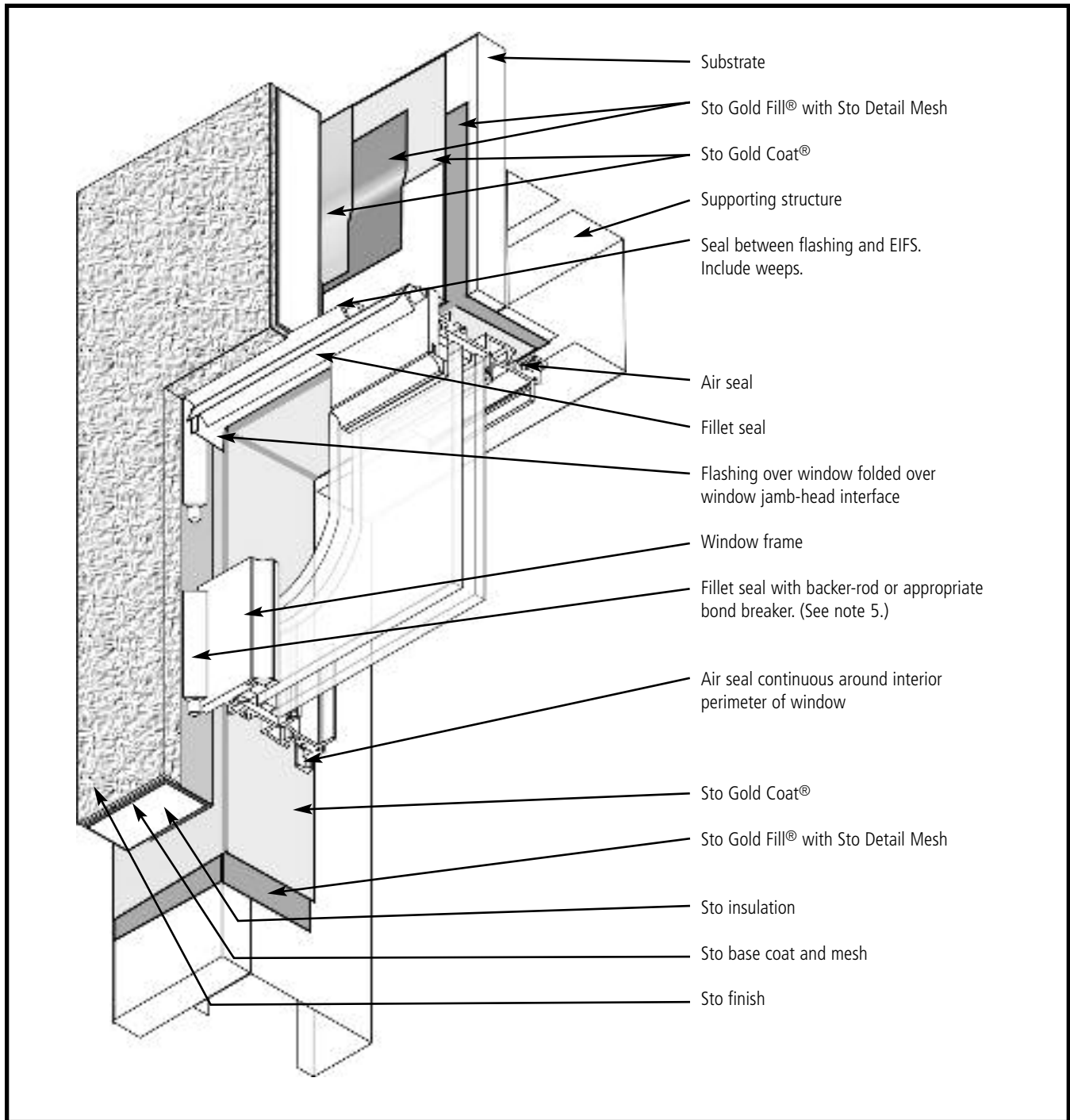


Notes:

- 1] Provide a mock-up installation and test using materials and substrates associated with the project.
- 2] Provide flashing installed over the window to direct water away from the window. Verify requirements for head flashing with local codes and window manufacturer. If flashing is not required, seal between window head and EIFS.
- 3] Protect rough opening against water penetration by wrapping with Sto Gold Fill® with Sto Detail Mesh and Sto Gold Coat®. Direct any water penetration to the exterior at or above the sill pan flashing. (Refer to Sto details 10.25a and 10.26a.)
- 4] Provide continuous air barrier connection around the perimeter of the window to reduce: leaking, condensation related to air movement, and sound and insect intrusion.
- 5] Provide window insert to optimize sealant configuration.

Sto Gold Coat® and Sto Gold Fill® are registered trademarks of Sto Corp.

Sto details are illustrations of construction. They are guidelines, intended for use by the design/construction professional, to assist in developing project specific details. They should be modified where necessary to accommodate individual project conditions. Refer to appropriate Sto specification for design requirements. Refer to local building code for any special requirements.

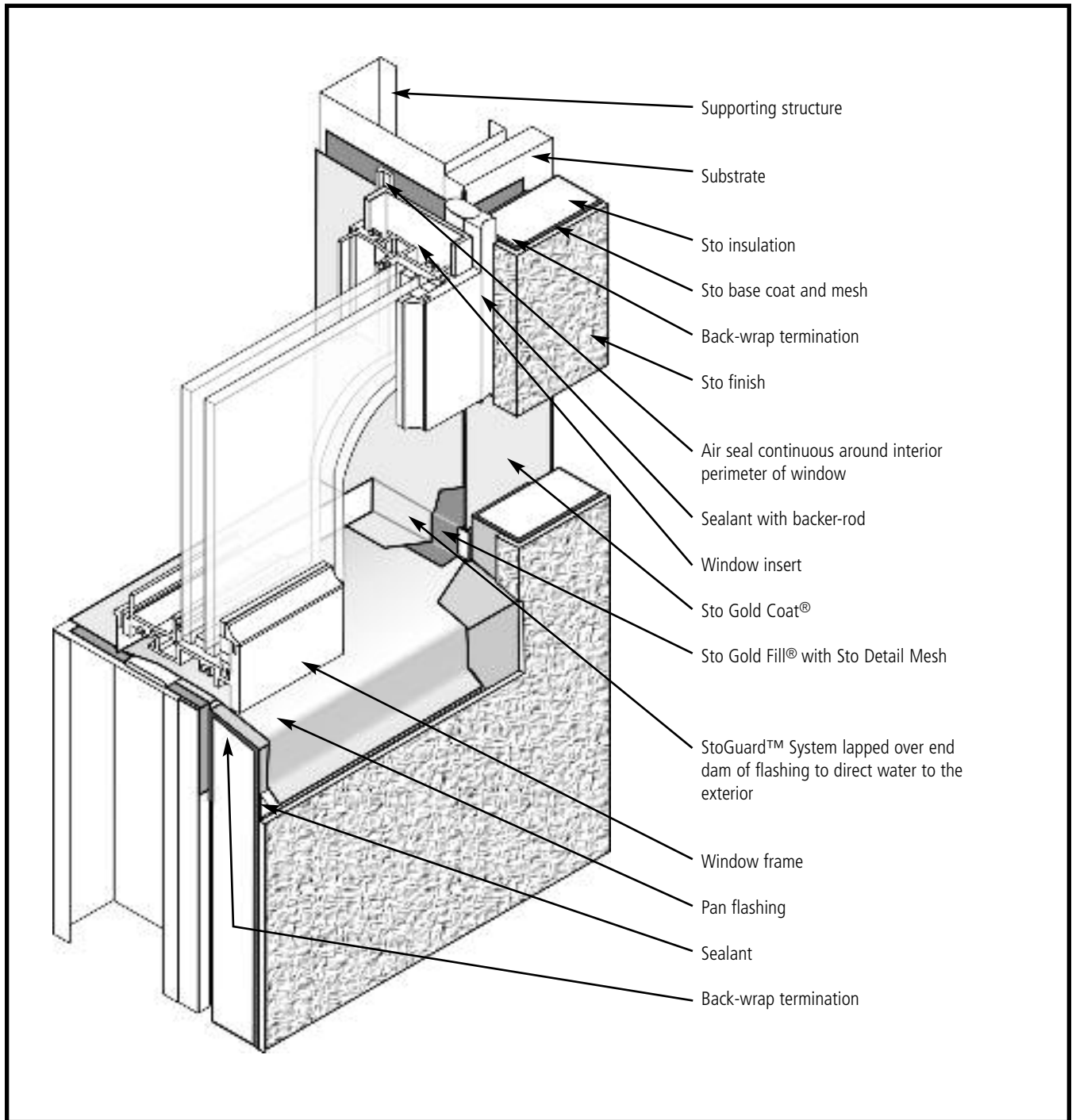


Notes:

- 1] Provide a mock-up installation and test using materials and substrates associated with the project.
- 2] Provide flashing installed over the window to direct water away from the window. Verify requirements for head flashing with local codes and window manufacturer. If not required, seal between window head and EIFS. (See Sto details 10.23a and 10.23b.)
- 3] Protect rough opening against water penetration by wrapping with Sto Gold Fill® with Sto Detail Mesh and Sto Gold Coat®. Direct any water penetration to the exterior at or above the sill pan flashing. (See Sto details 10.25b and 10.26b).
- 4] Provide continuous air barrier connection around the perimeter of the window to reduce: leaking, condensation related to air movement, and sound and insect intrusion.
- 5] Verify suitability of fillet seal configuration. Consult sealant and window manufacturer.

Sto Gold Coat® and Sto Gold Fill® are registered trademarks of Sto Corp.

Sto details are illustrations of construction. They are guidelines, intended for use by the design/construction professional, to assist in developing project specific details. They should be modified where necessary to accommodate individual project conditions. Refer to appropriate Sto specification for design requirements. Refer to local building code for any special requirements.

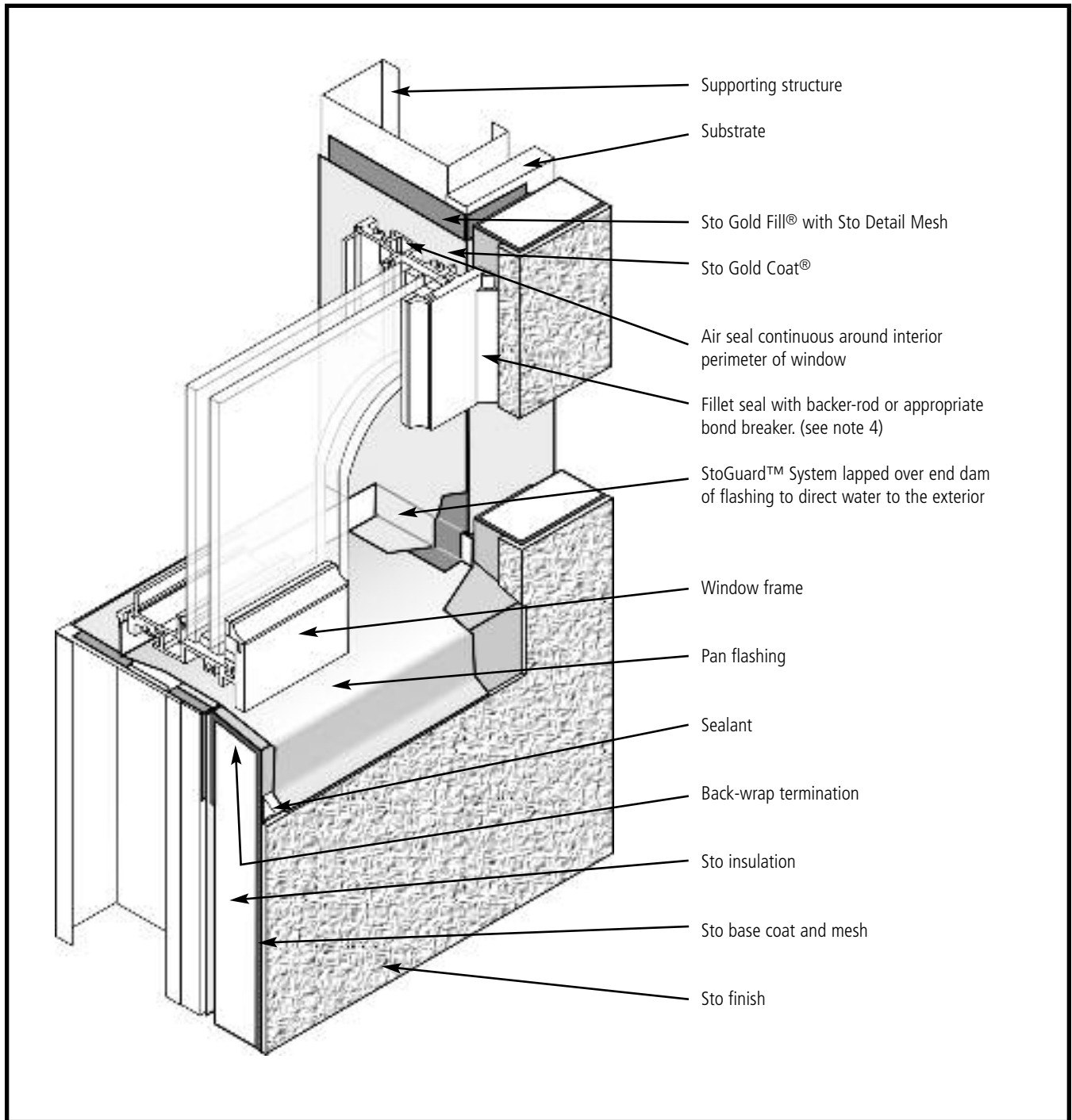


Notes:

- 1] Provide a mock-up installation and test using materials and substrates associated with the project.
- 2] Protect rough opening against water penetration by wrapping with Sto Gold Fill® with Sto Detail Mesh and Sto Gold Coat®. (See Sto detail 10.23a.) Direct any water penetration to the exterior at or above the sill pan flashing. (See Sto details 10.24a and 10.26a.)
- 3] Provide continuous air barrier connection around the perimeter of the window to reduce: leaking, condensation related to air movement, and sound and insect intrusion.
- 4] Provide window insert to optimize sealant configuration.

Sto Gold Coat® and Sto Gold Fill® are registered trademarks of Sto Corp.

Sto details are illustrations of construction. They are guidelines, intended for use by the design/construction professional, to assist in developing project specific details. They should be modified where necessary to accommodate individual project conditions. Refer to appropriate Sto specification for design requirements. Refer to local building code for any special requirements.

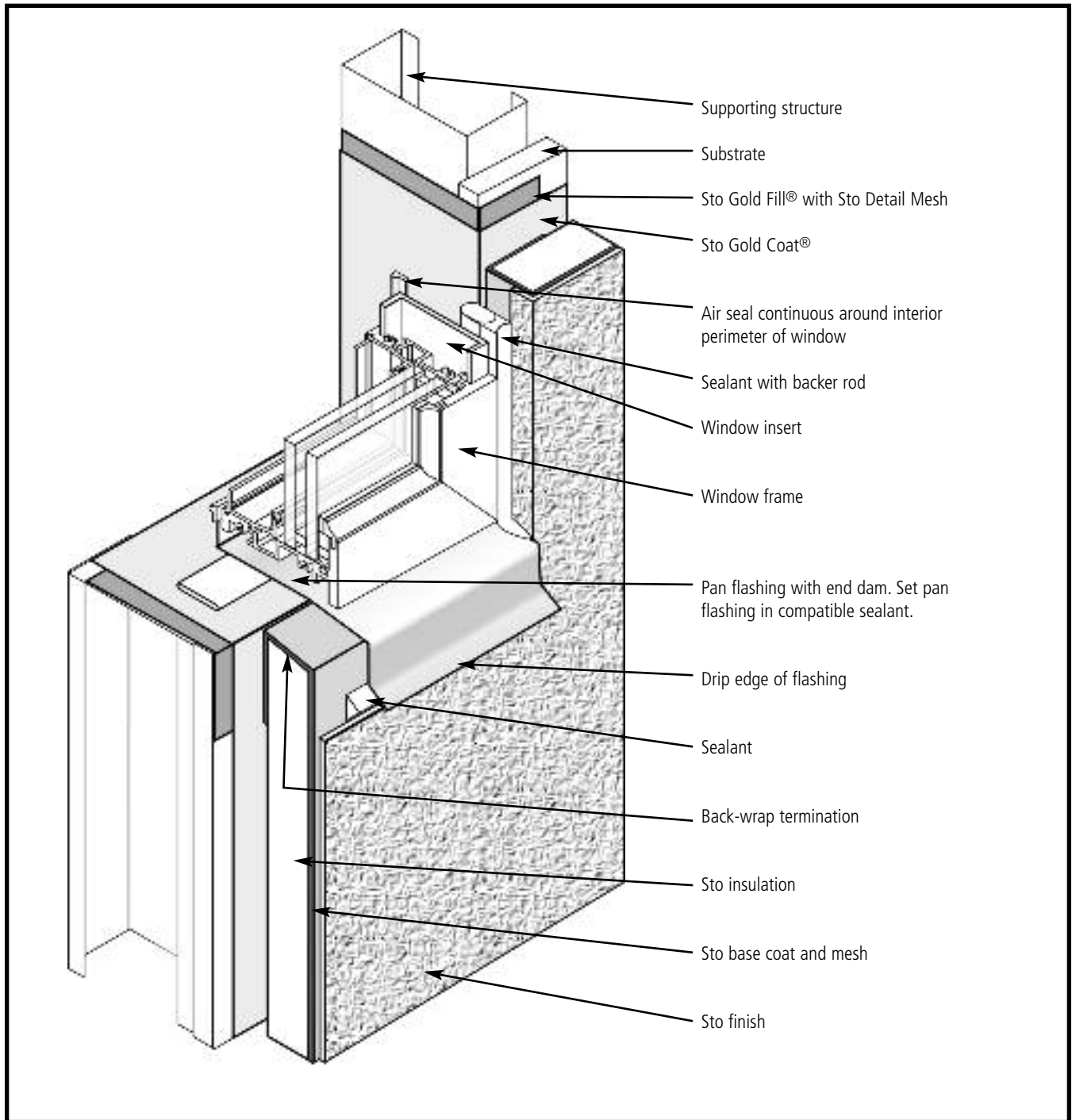


Notes:

- 1] Provide a mock-up installation and test using materials and substrades associated with the project.
- 2] Protect rough opening against water penetration by wrapping with Sto Gold Fill® with Sto Detail Mesh and Sto Gold Coat®. Direct any water penetration to the exterior at or above the sill pan flashing. (See Sto details 10.24b and 10.26b).
- 3] Provide continuous air barrier connection around the perimeter of the window to reduce: leaking, condensation related to air movement, and sound and insect intrusion.
- 4] Verify suitability of fillet seal configuration. Consult sealant and window manufacturer.

Sto Gold Coat® and Sto Gold Fill® are registered trademarks of Sto Corp.

Sto details are illustrations of construction. They are guidelines, intended for use by the design/construction professional, to assist in developing project specific details. They should be modified where necessary to accommodate individual project conditions. Refer to appropriate Sto specification for design requirements. Refer to local building code for any special requirements.

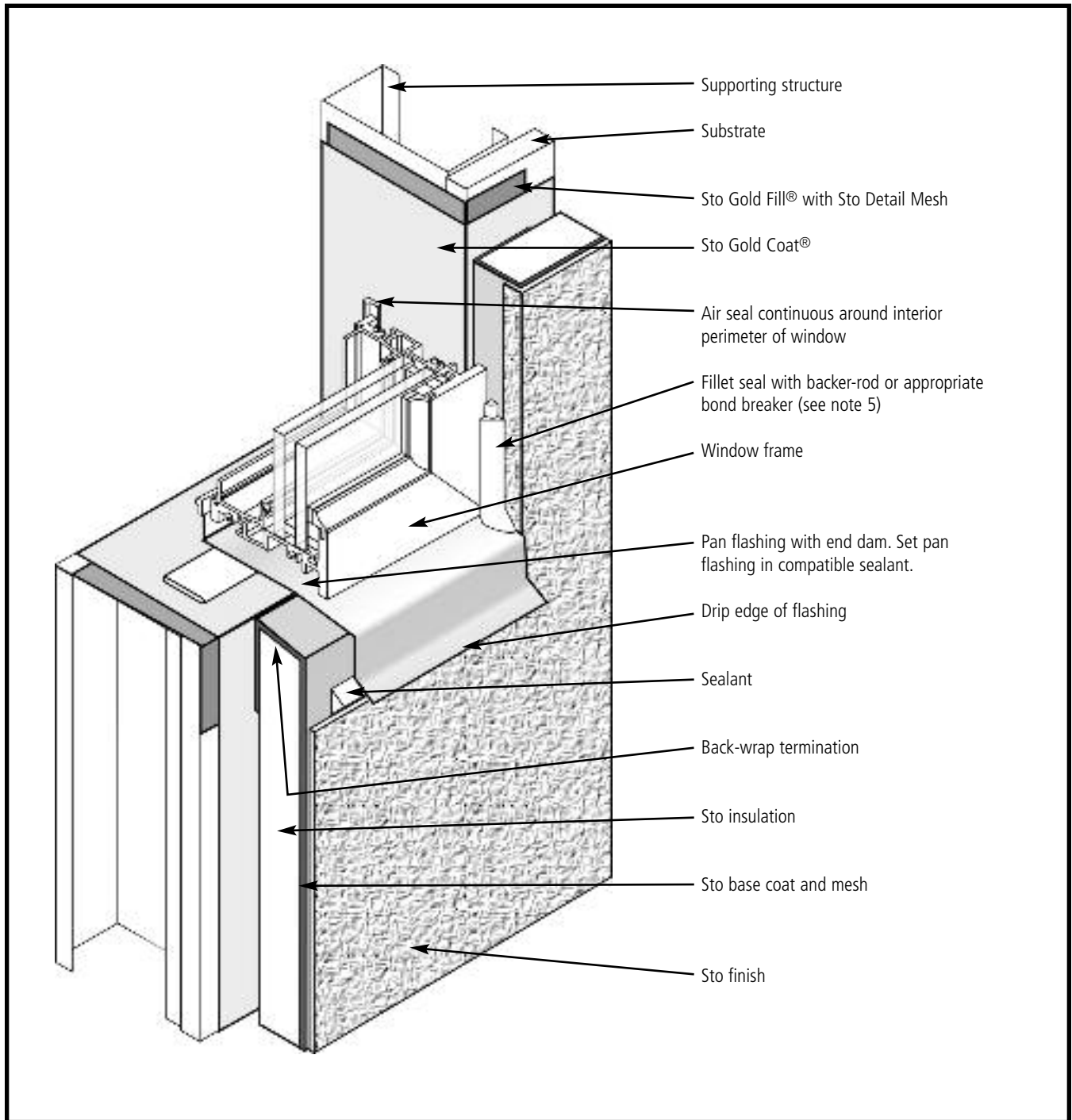


Notes:

- 1] Provide a mock-up installation and test using materials and substrates associated with the project.
- 2] Protect rough opening against water penetration by wrapping with Sto Gold Fill® with Sto Detail mesh and Sto Gold Coat®. Direct any water penetration to the exterior at or above the sill pan flashing. (See Sto details 10.23a and 10.24a).
- 3] Provide continuous air barrier connection around the perimeter of the window to reduce: leaking, condensation related to air movement and sound and insect intrusion.
- 4] Provide leak-proof sill pan flashing with end and back dams to catch any water penetration and direct it to the exterior of the wall assembly.
- 5] Provide window insert to optimize sealant configuration.

Sto Gold Coat® and Sto Gold Fill® are registered trademarks of Sto Corp.

Sto details are illustrations of construction. They are guidelines, intended for use by the design/construction professional, to assist in developing project specific details. They should be modified where necessary to accommodate individual project conditions. Refer to appropriate Sto specification for design requirements. Refer to local building code for any special requirements.

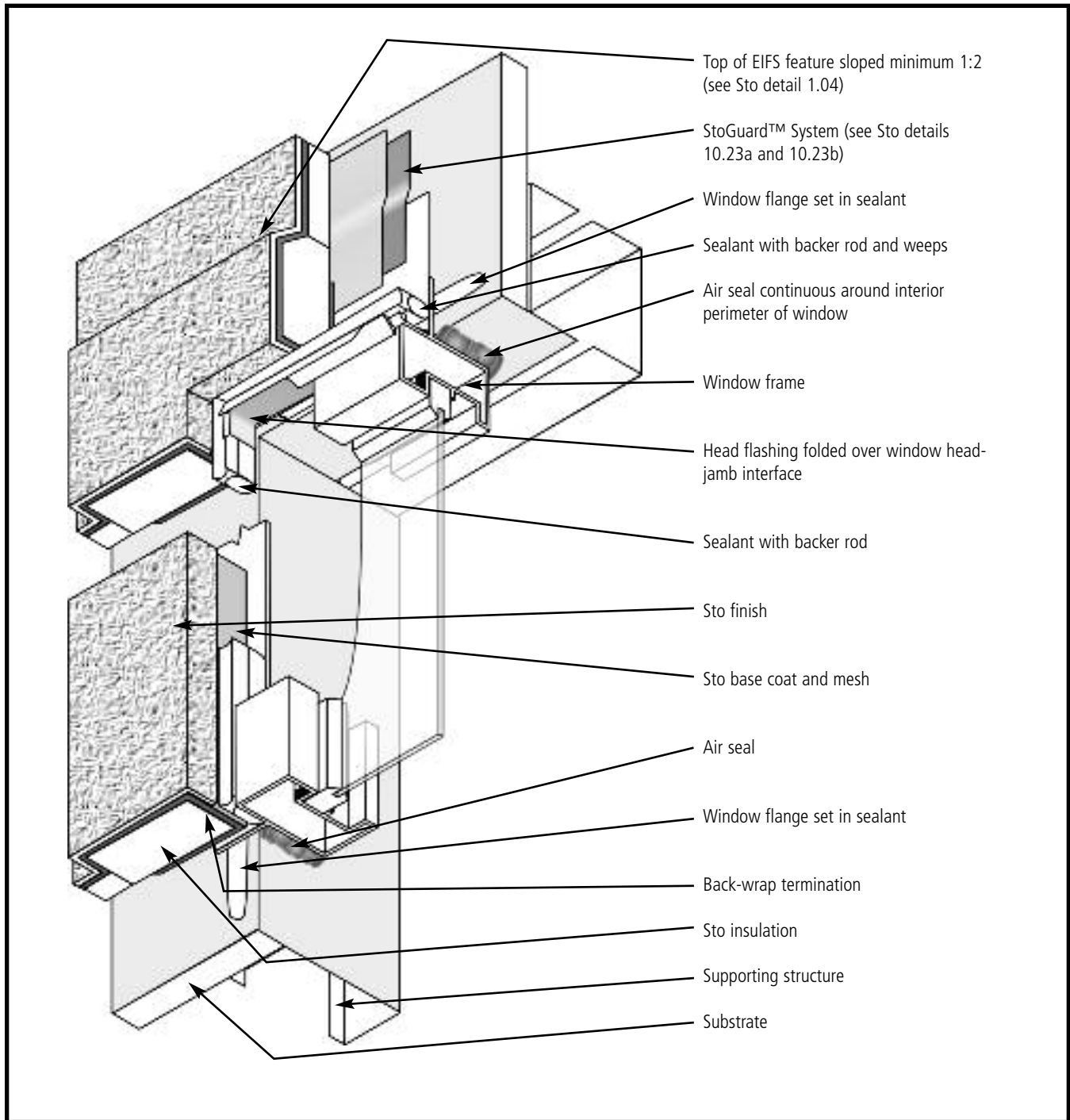


Notes:

- 1] Provide a mock-up installation and test using materials and substrates associated with the project.
- 2] Protect rough opening against water penetration by wrapping with Sto Gold Fill® with Sto Detail Mesh and Sto Gold Coat®. Direct any water penetration to the exterior at or above the sill pan flashing. (See Sto details 10.24b and 10.25b.)
- 3] Provide continuous air barrier connection around the perimeter of the window to reduce: leaking, condensation related to air movement, and sound and insect intrusion.
- 4] Provide leak-proof sill pan flashing with end and back dams to catch any water penetration and direct it to the exterior of the wall assembly.
- 5] Verify suitability of fillet seal configuration. Consult sealant and window manufacturer.

Sto Gold Coat® and Sto Gold Fill® are registered trademarks of Sto Corp.

Sto details are illustrations of construction. They are guidelines, intended for use by the design/construction professional, to assist in developing project specific details. They should be modified where necessary to accommodate individual project conditions. Refer to appropriate Sto specification for design requirements. Refer to local building code for any special requirements.

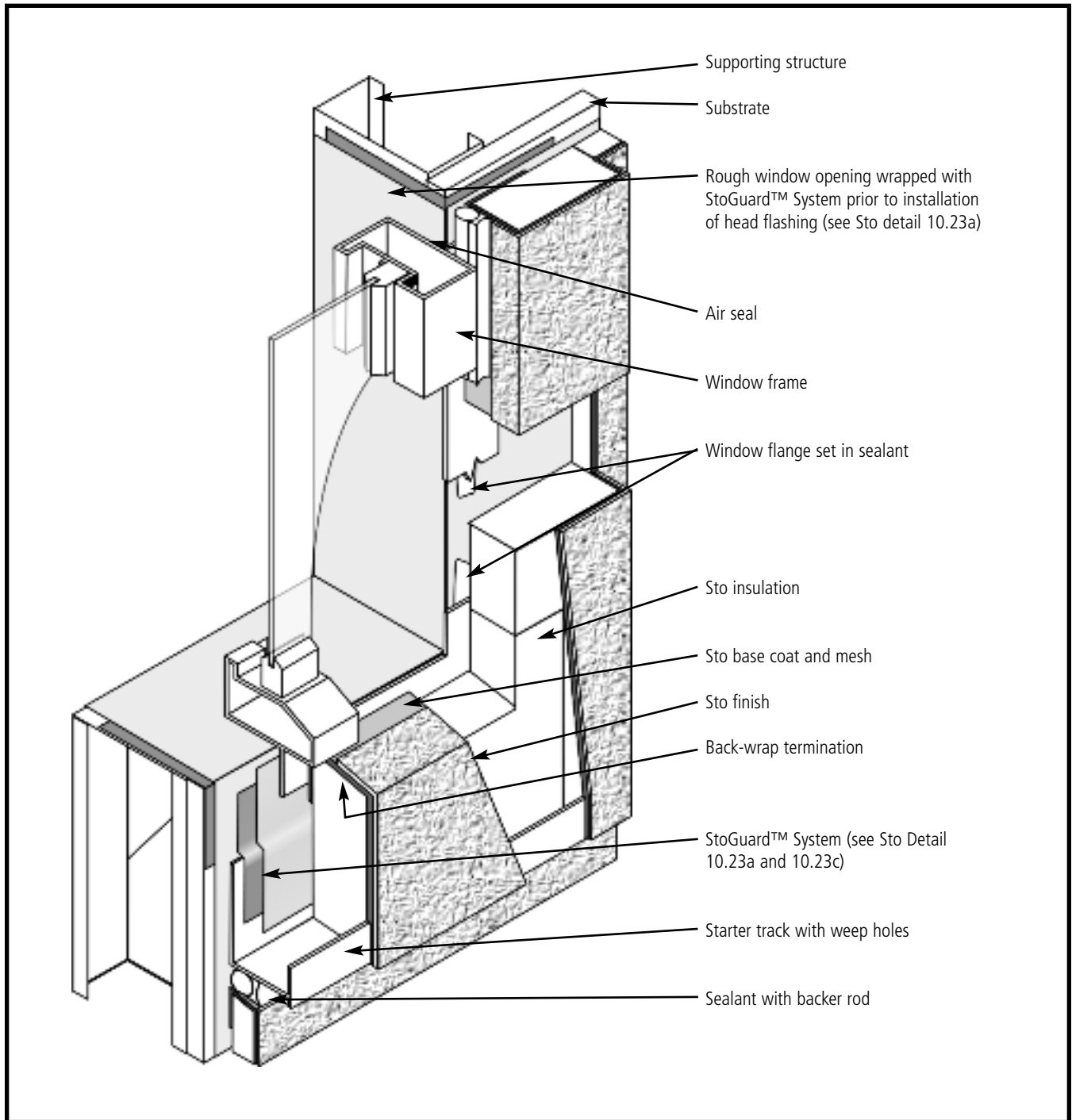


Notes:

- 1] Provide a mock-up installation and test using materials and subtrades associated with the project.
- 2] Provide flashing installed over the window to direct water away from the window. Verify requirements for head flashing with local codes and window manufacturer. If not required, seal between window head and EIFS.
- 3] Protect rough opening against water penetration by wrapping with Sto Gold Fill® with Sto Detail Mesh and Sto Gold Coat®. Direct any water penetration to the exterior at or above the sill pan flashing. (See Sto details 10.28 and 10.29.)
- 4] Provide continuous air barrier connection around the perimeter of the window to reduce: leaking, condensation related to air movement, and sound and insect intrusion.
- 5] Coordinate StoGuard™ installation with window installer.

Sto Gold Coat® and Sto Gold Fill® are registered trademarks of Sto Corp.

Sto details are illustrations of construction. They are guidelines, intended for use by the design/construction professional, to assist in developing project specific details. They should be modified where necessary to accommodate individual project conditions. Refer to appropriate Sto specification for design requirements. Refer to local building code for any special requirements.

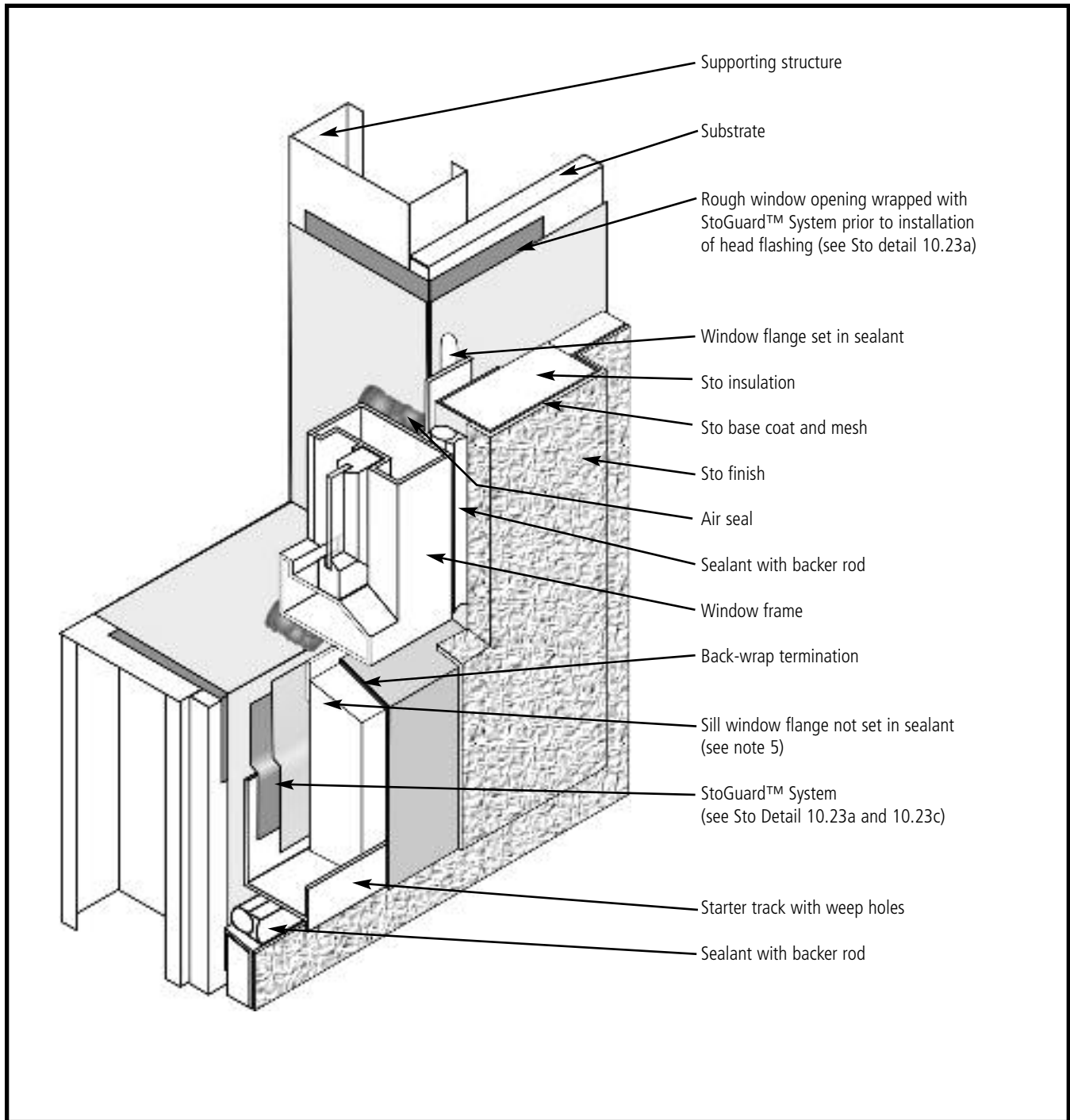


Notes:

- 1] Provide a mock-up installation and test using materials and substrates associated with the project.
- 2] Protect rough opening against water penetration by wrapping with Sto Gold Fill® with Sto Detail Mesh and Sto Gold Coat®. Direct any water penetration to the exterior at or above the sill pan flashing. (See Sto details 10.27 and 10.29.)
- 3] Provide continuous air barrier connection around the perimeter of the window to reduce: leaking, condensation related to air movement, and sound and insect intrusion.
- 4] Coordinate StoGuard™ installation sequence with window installer and other related trades.

Sto Gold Coat® and Sto Gold Fill® are registered trademarks of Sto Corp.

Sto details are illustrations of construction. They are guidelines, intended for use by the design/construction professional, to assist in developing project specific details. They should be modified where necessary to accommodate individual project conditions. Refer to appropriate Sto specification for design requirements. Refer to local building code for any special requirements.

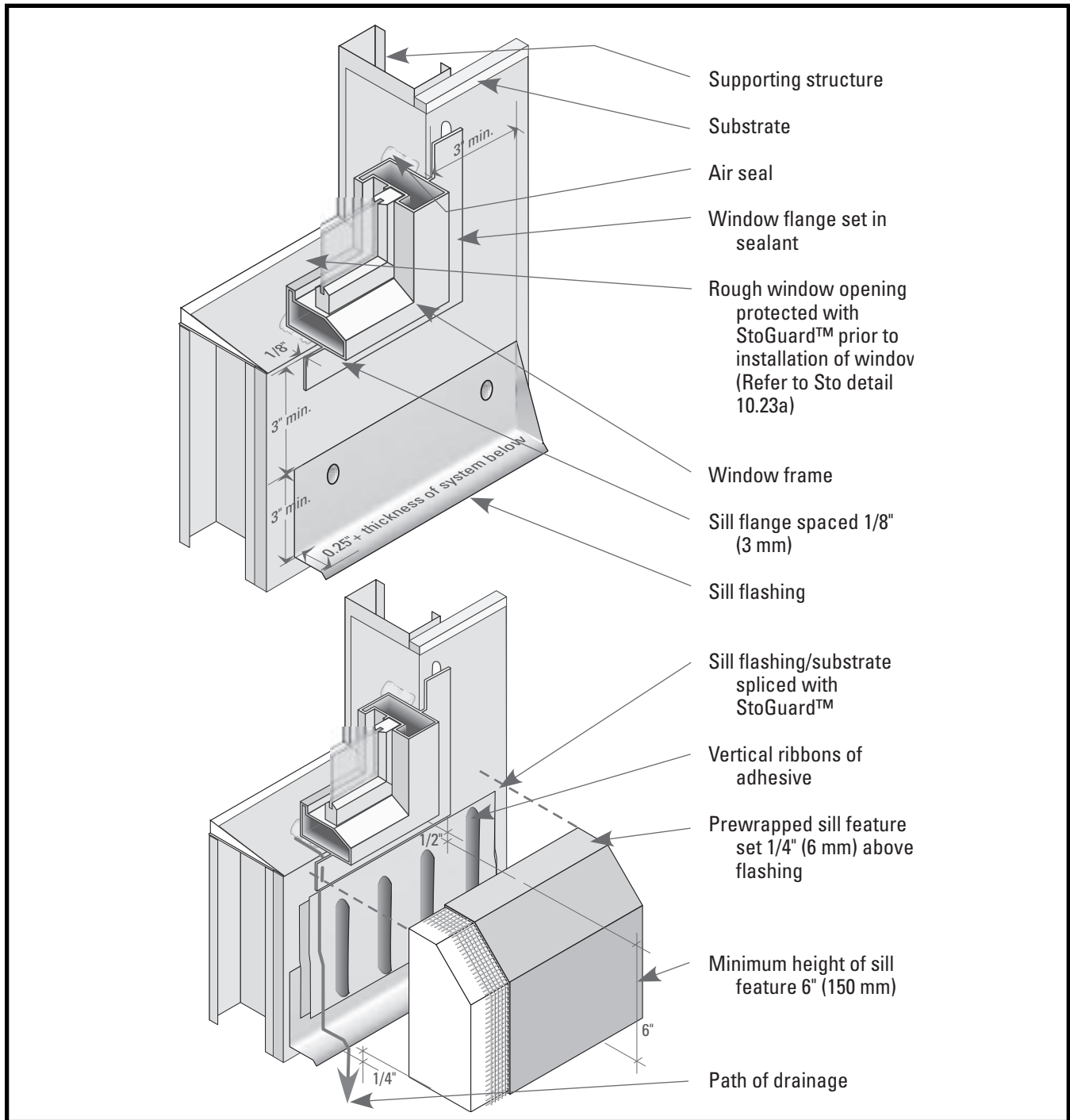


Notes:

- 1] Provide a mock-up installation and test using materials and substrates associated with the project.
- 2] Protect rough opening against water penetration by wrapping with Sto Gold Fill® with Sto Detail mesh and Sto Gold Coat®. Direct any water penetration to the exterior at or above the sill pan flashing. (See Sto details 10.27 and 10.28).
- 3] Provide continuous air barrier connection around the perimeter of the window to reduce: leaking, condensation related to air movement, and sound and insect intrusion.
- 4] Coordinate StoGuard™ installation sequence with window installer and other related trades.
- 5] Do not set window sill flange in sealant unless approved by window manufacturer.

Sto Gold Coat® and Sto Gold Fill® are registered trademarks of Sto Corp.

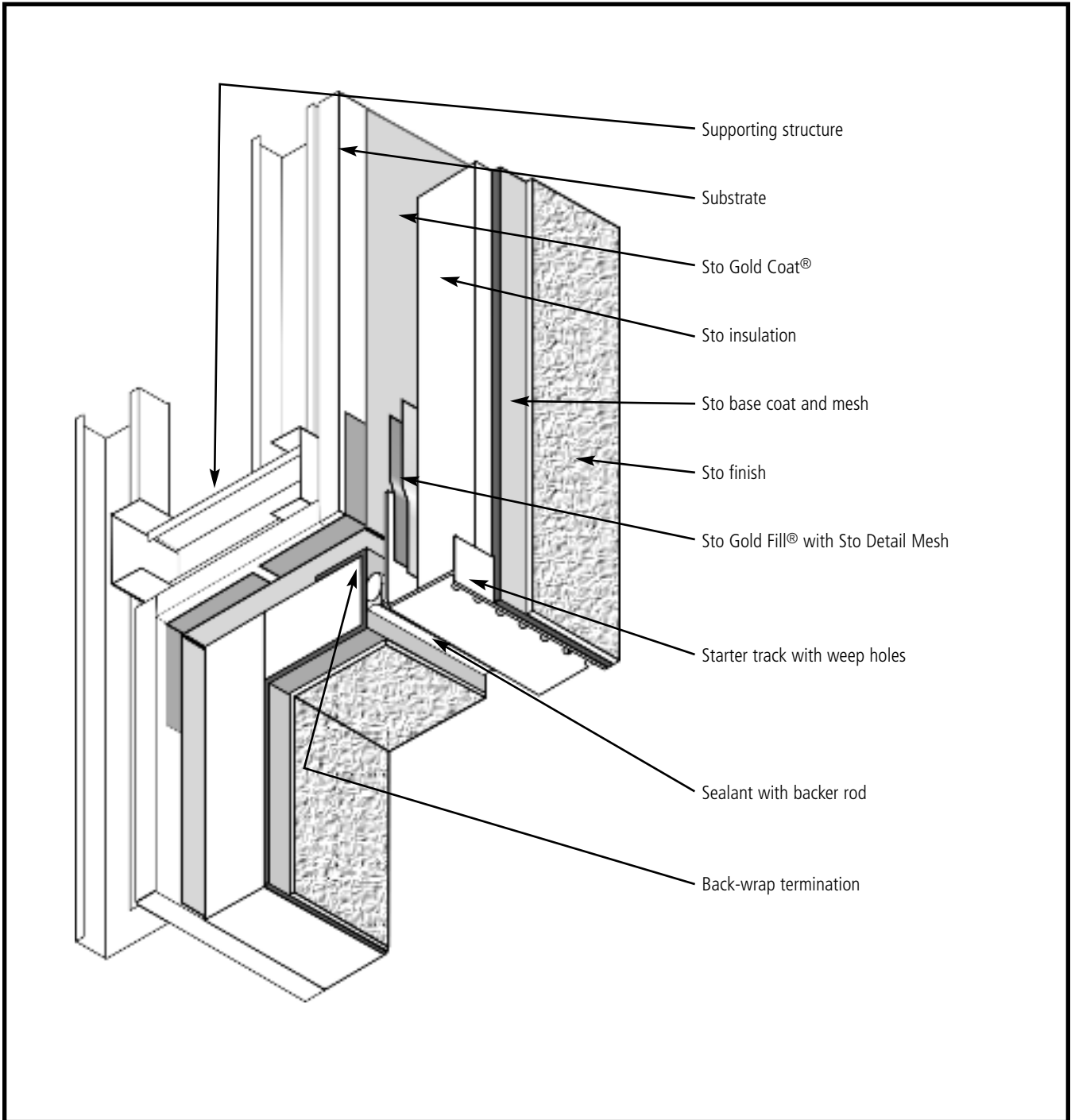
Sto details are illustrations of construction. They are guidelines, intended for use by the design/construction professional, to assist in developing project specific details. They should be modified where necessary to accommodate individual project conditions. Refer to appropriate Sto specification for design requirements. Refer to local building code for any special requirements.



Notes:

- 1] Coordinate StoGuard™ installation sequence with window installer and other related trades.
- 2] Mark 3" (75 mm) from the window frame jambs and sill.
- 3] Install the flashing below the window to allow for minimum 4" (100 mm) splice of StoGuard™ centered over the flashing/substrate. Allow an additional 1/2" (13 mm) for the perimeter seal beneath the window sill and an additional 1/4" (6 mm) gap between the sill feature and flashing below. Total minimum dimension between frame and flashing = 6.75" (170 mm).
- 4] The flashing should extend out from the wall a minimum of 1/4" (6 mm) beyond the EIFS cladding below.
- 5] Prewrap the sill feature with Sto EIFS base coat and reinforcing mesh and install with vertical ribbons of adhesive. Provide a kerf in the back of the sill feature to accommodate flashing end dams.
- 6] Install balance of EIFS lapping base coat and mesh onto sill feature minimum 2.5" (65 mm).

Sto details are illustrations of construction. They are guidelines, intended for use by the design/construction professional, to assist in developing project specific details. They should be modified where necessary to accommodate individual project conditions. Refer to appropriate Sto specification for design requirements. Refer to local building code for any special requirements.

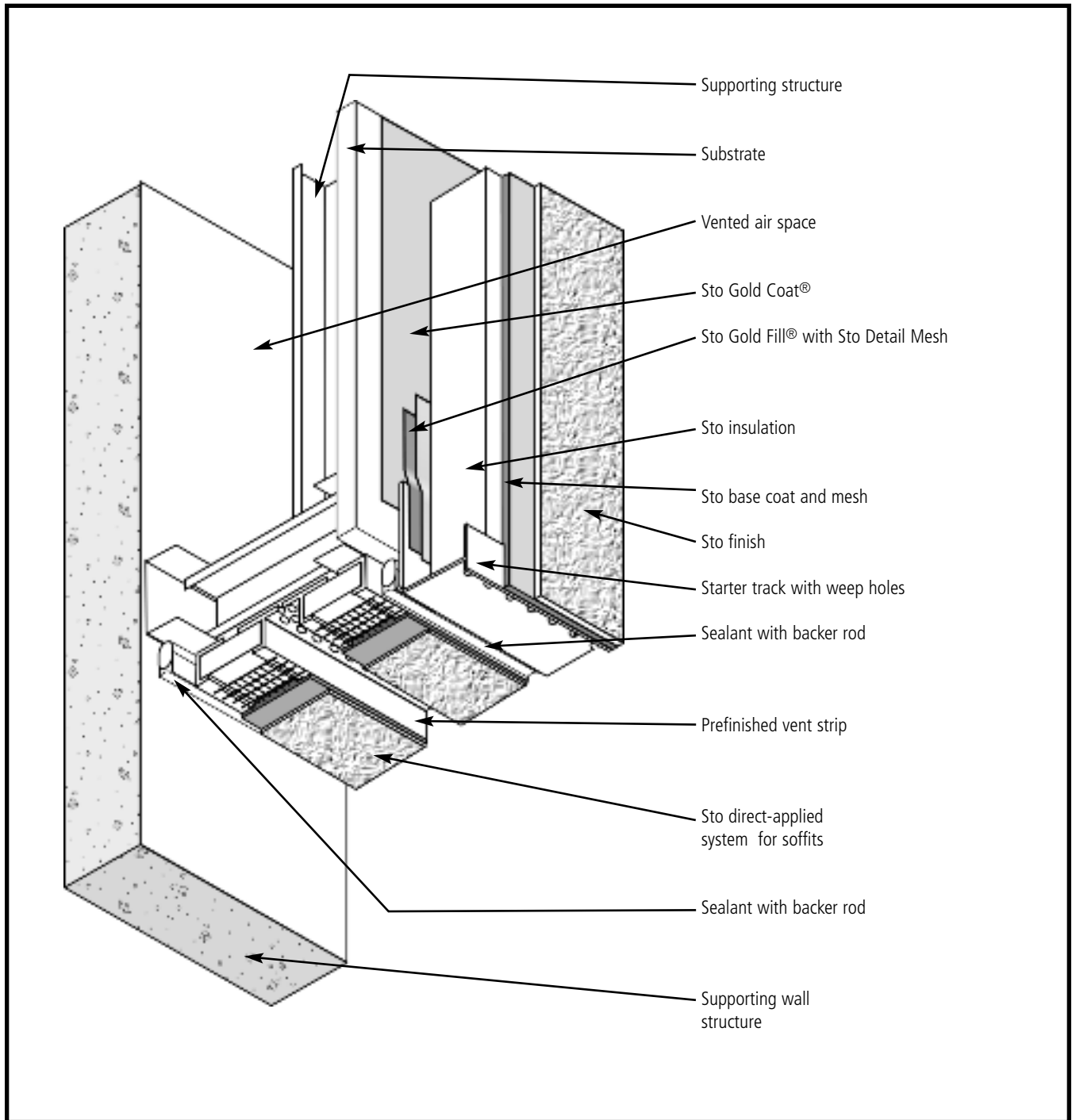


Notes:

- 1] Where wall/soffit are subject to differential movement provide a joint at the inside corner.

Sto Gold Coat® and Sto Gold Fill® are registered trademarks of Sto Corp.

Sto details are illustrations of construction. They are guidelines, intended for use by the design/construction professional, to assist in developing project specific details. They should be modified where necessary to accommodate individual project conditions. Refer to appropriate Sto specification for design requirements. Refer to local building code for any special requirements.

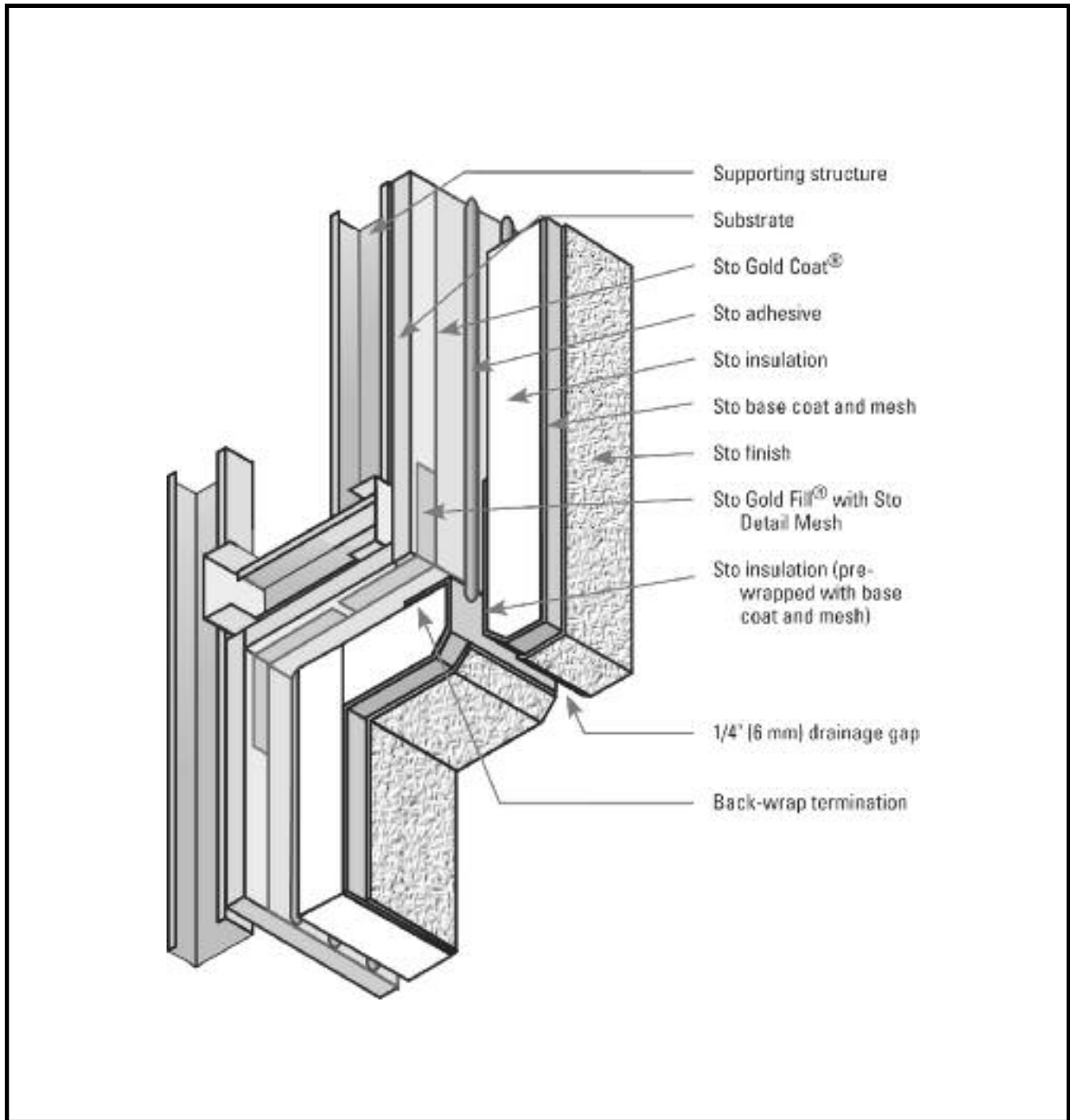


Notes:

- 1] Prevent communication of vented air space with conditioned interior air to reduce the likelihood of condensation.
- 2] Soffit board must meet or exceed requirements of ASTM C-1177.

Sto Gold Coat® and Sto Gold Fill® are registered trademarks of Sto Corp.

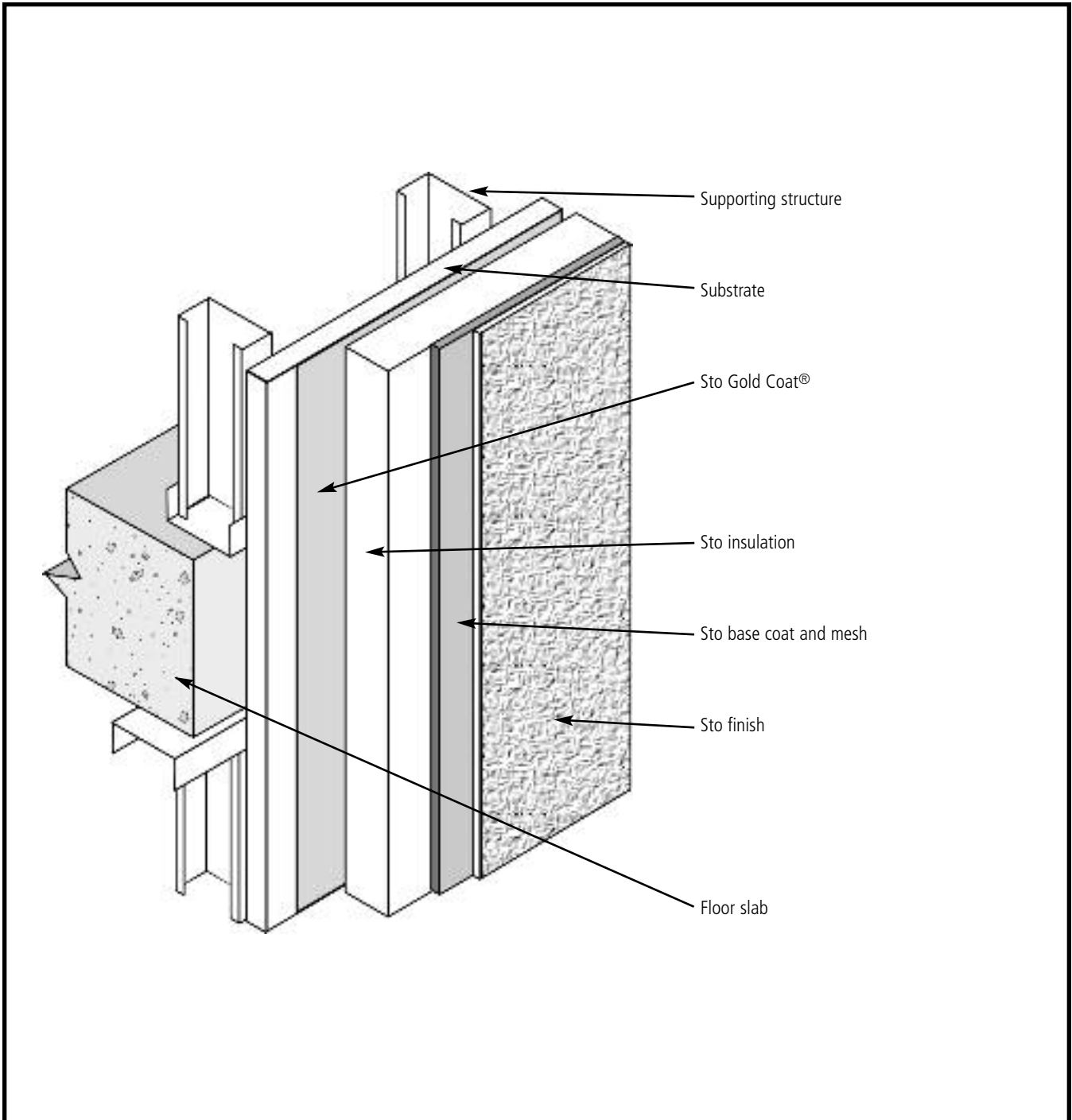
Sto details are illustrations of construction. They are guidelines, intended for use by the design/construction professional, to assist in developing project specific details. They should be modified where necessary to accommodate individual project conditions. Refer to appropriate Sto specification for design requirements. Refer to local building code for any special requirements.



Notes:

- 1] Where wall/soffit are subject to differential movement provide a joint at the inside corner.
- 2] For multistory buildings of noncombustible construction verify conformance of detail with fire testing criteria.
- 3] Install EIFS on soffit with back wrap edge in line with fascia substrate.
- 4] Prewrap fascia insulation to provide a minimum of 2.5" (65 mm) of basecoat and mesh contact area with the substrate.
- 5] Limit fascia insulation overhang to 2" (50 mm) maximum.
- 6] Install insulation with vertical ribbons of adhesive to provide 1/4" (6 mm) +/- drainage gap.
- 7] Sealant with weeps at drainage opening is optional, depending on project conditions.

Sto details are illustrations of construction. They are guidelines, intended for use by the design/construction professional, to assist in developing project specific details. They should be modified where necessary to accommodate individual project conditions. Refer to appropriate Sto specification for design requirements. Refer to local building code for any special requirements.

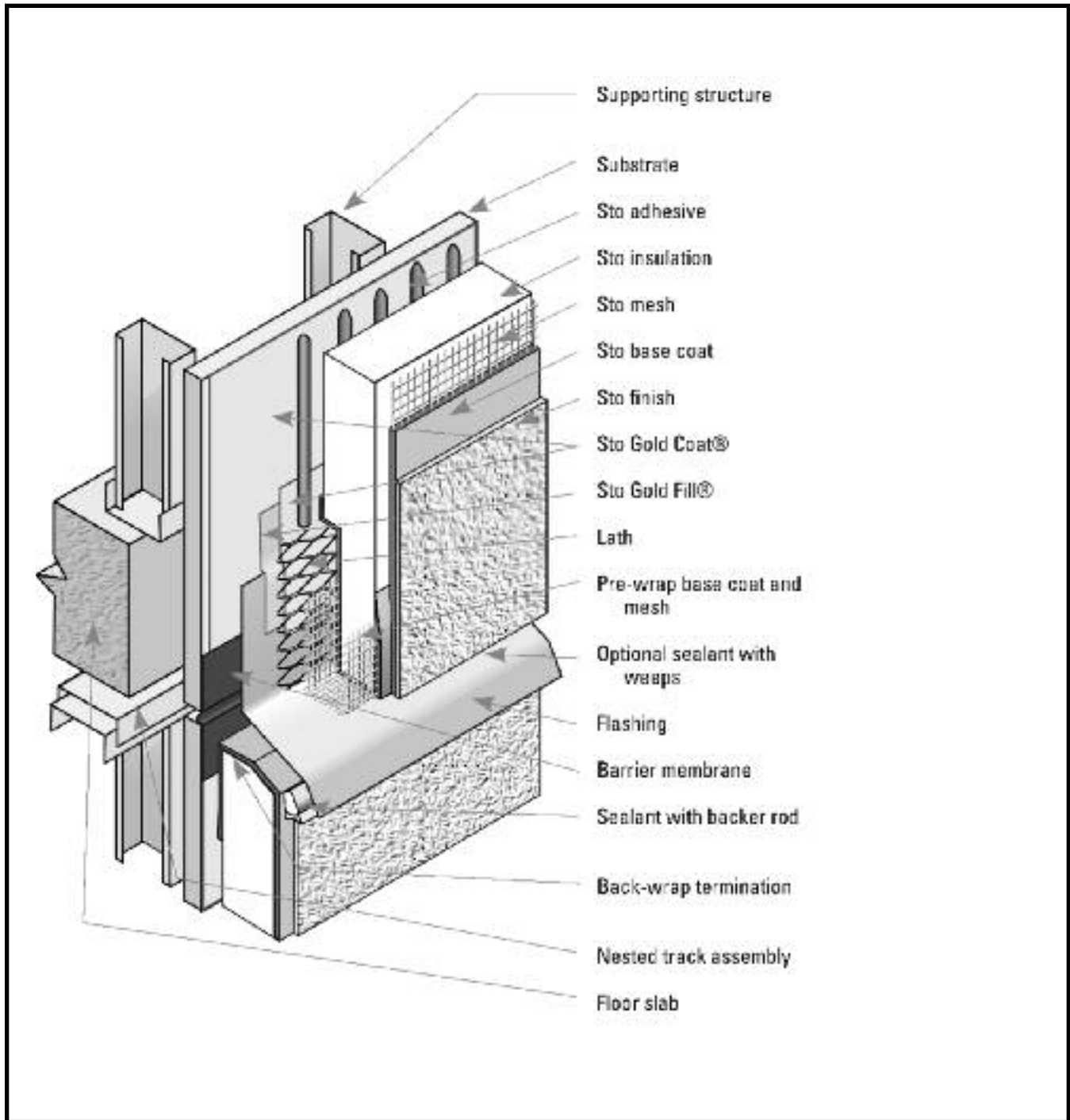


Notes:

- 1] Restrict the use of this detail to low or medium rise construction with no floor line deflection.
- 2] The maximum allowable sheathing span at the floor line is 8" (200 mm) or as recommended by the sheathing manufacturer.
- 3] Offset sheathing joints from floor line minimum 8" (200 mm).

Sto Gold Coat® and Sto Gold Fill® are registered trademarks of Sto Corp.

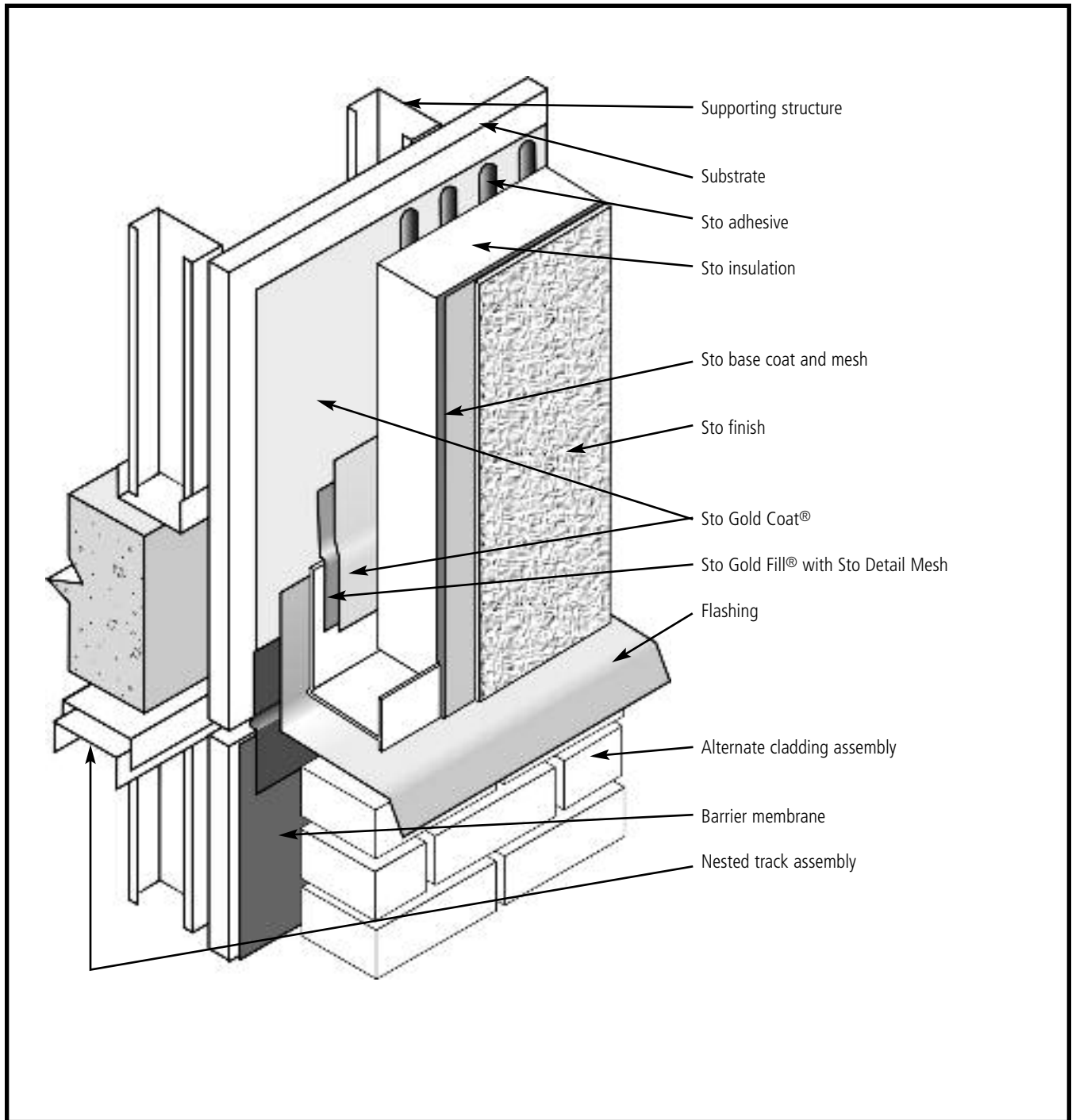
Sto details are illustrations of construction. They are guidelines, intended for use by the design/construction professional, to assist in developing project specific details. They should be modified where necessary to accommodate individual project conditions. Refer to appropriate Sto specification for design requirements. Refer to local building code for any special requirements.



Notes:

- 1] Pre-wrap the insulation board with base coat and mesh prior to installation. Raspback of insulation to ensure the pre-wrapped insulation board will fit over the lath and permit water to drain freely.
- 2] Do not attach upper sheathing to nested track. Only attach lower sheathing to nested track.
- 3] The maximum allowable sheathing span at the floor line is 8" (200 mm) or as recommended by the sheathing manufacturer.
- 4] A barrier membrane is installed over the joint in the sheathing to provide air barrier continually and secondary weather protection at the joint location.
- 5] Install metal flashing to drain outbound of the cladding and integrate it into the StoGuard™.
- 6] Install a 6" (150 mm) strip of expanded metal lath.
- 7] Provide a minimum 3/4" (20 mm) joint to accommodate deflection of the floor slab.

Sto details are illustrations of construction. They are guidelines, intended for use by the design/construction professional, to assist in developing project specific details. They should be modified where necessary to accommodate individual project conditions. Refer to appropriate Sto specification for design requirements. Refer to local building code for any special requirements.

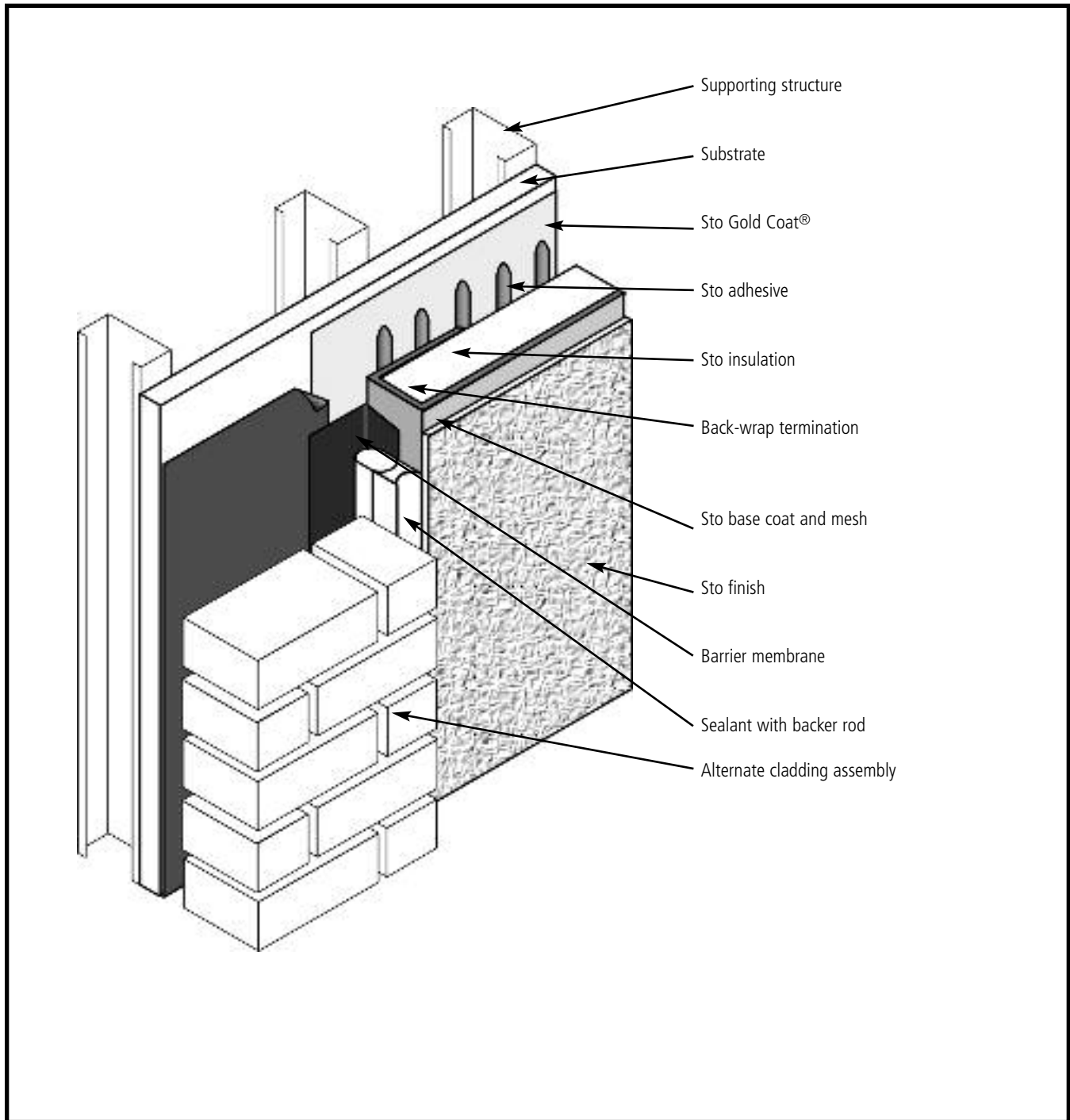


Notes:

- 1] Do not attach upper sheathing to nested track. Only attach lower sheathing to nested track.
- 2] The maximum allowable sheathing span at the floor line is 8" (200 mm) or as recommended by the sheathing manufacturer.
- 3] Provide flashing minimum 4" (100 mm) behind the Sto EIFS and project beyond the face of the alternate cladding below.
- 4] Consider the amount of movement in the alternate cladding material, especially if a different structural support system exists for that cladding. Position flashing to accommodate movement and ensure drainage to the exterior.
- 5] Determine installation sequence in advance of construction.

Sto Gold Coat® and Sto Gold Fill® are registered trademarks of Sto Corp.

Sto details are illustrations of construction. They are guidelines, intended for use by the design/construction professional, to assist in developing project specific details. They should be modified where necessary to accommodate individual project conditions. Refer to appropriate Sto specification for design requirements. Refer to local building code for any special requirements.

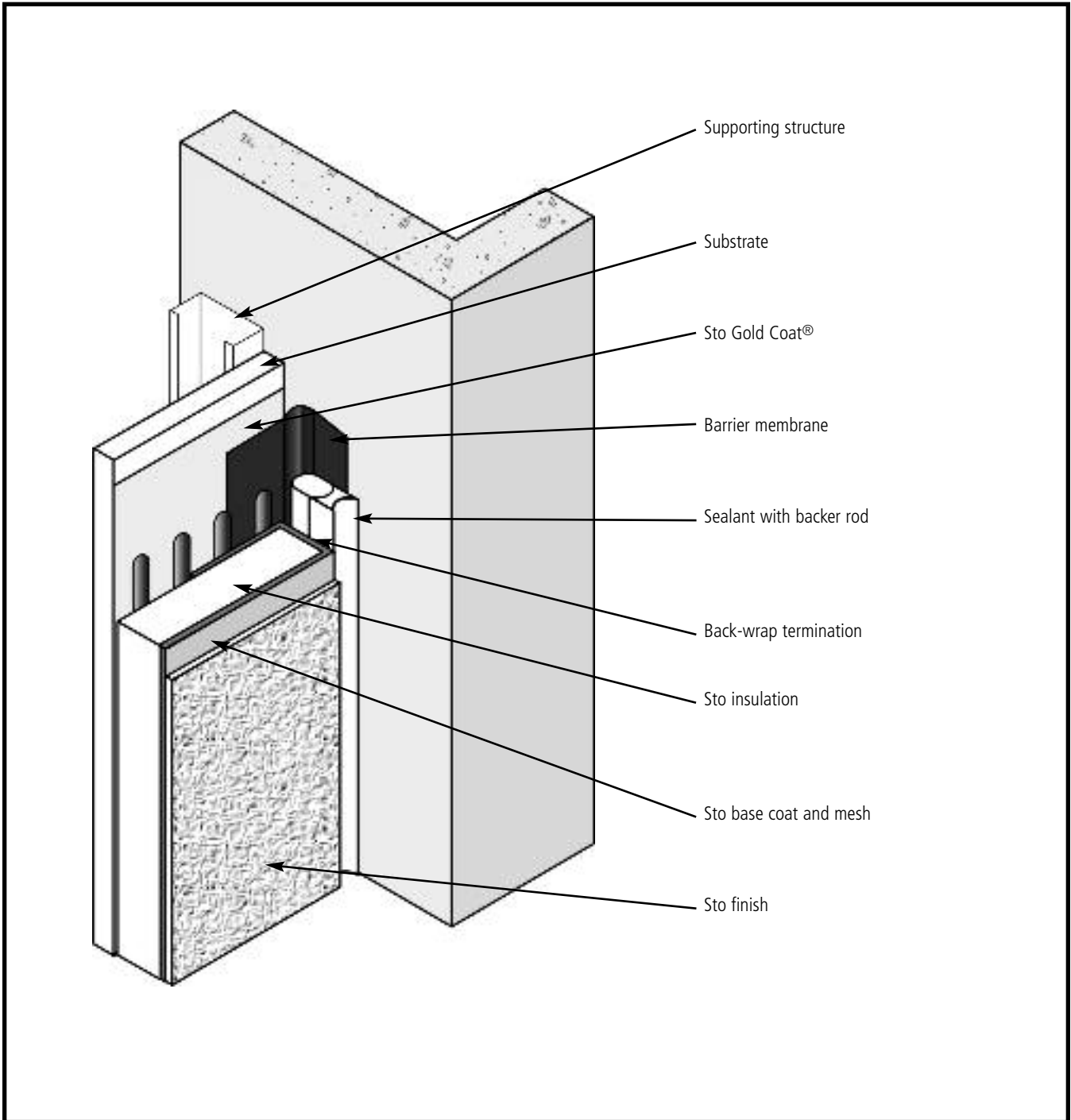


Notes:

- 1] Determine installation sequence in advance of construction. Coordinate subtrades to ensure the proper installation of materials.
- 2] Barrier membrane isolates the potentially wet environment behind the alternate cladding from the EIFS.
- 3] Provide minimum 3/4" (20 mm) joint between the EIFS and the alternate cladding. Provide drainage for the joint assembly.

Sto Gold Coat® and Sto Gold Fill® are registered trademarks of Sto Corp.

Sto details are illustrations of construction. They are guidelines, intended for use by the design/construction professional, to assist in developing project specific details. They should be modified where necessary to accommodate individual project conditions. Refer to appropriate Sto specification for design requirements. Refer to local building code for any special requirements.

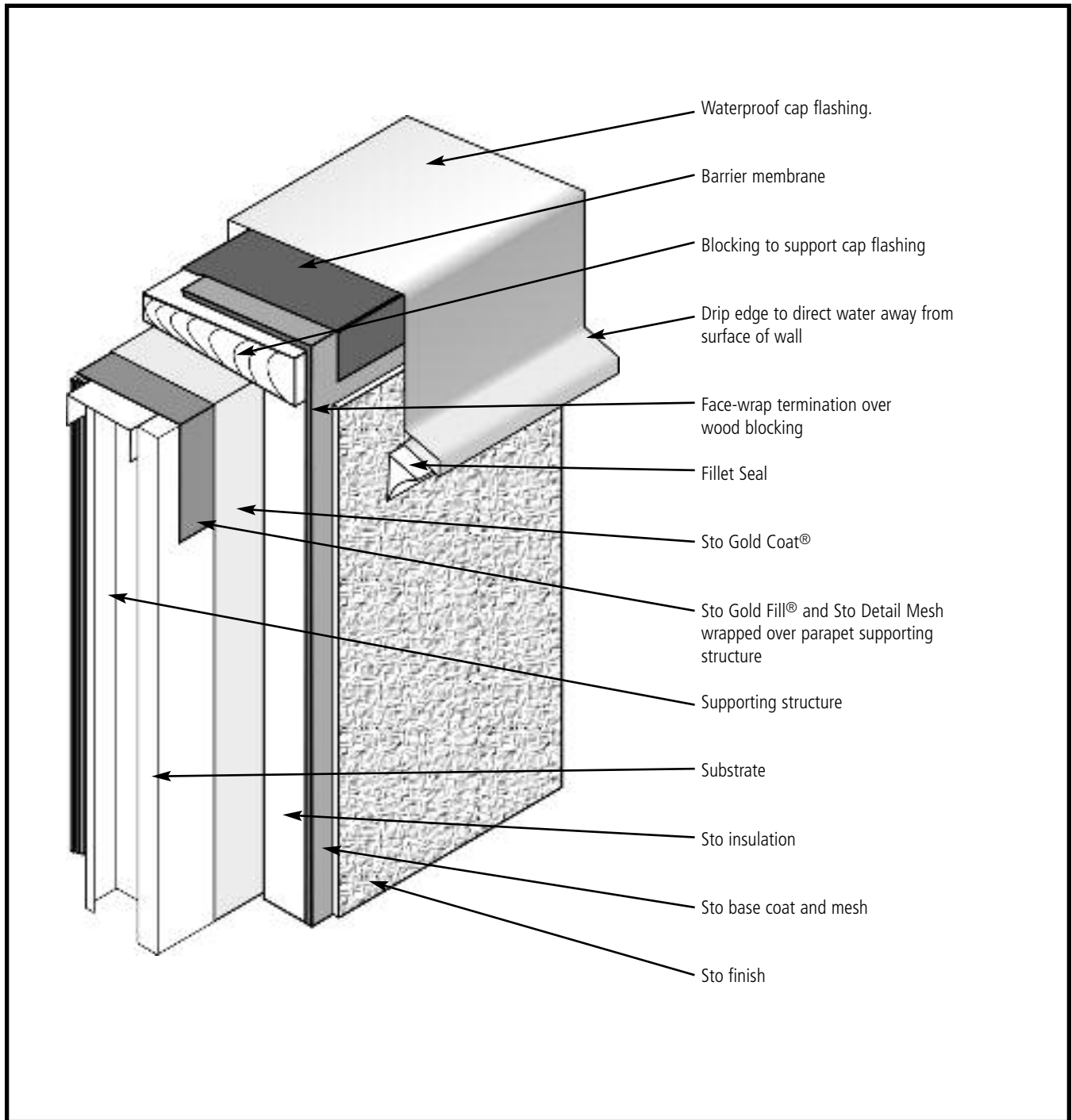


Notes:

- 1] Provide a barrier membrane between the substrate and dissimilar material to provide an air barrier and a secondary weather barrier at the joint.
- 2] Provide minimum 3/4" (20 mm) joint width.
- 3] Provide drainage for joint assembly

Sto Gold Coat® and Sto Gold Fill® are registered trademarks of Sto Corp.

Sto details are illustrations of construction. They are guidelines, intended for use by the design/construction professional, to assist in developing project specific details. They should be modified where necessary to accommodate individual project conditions. Refer to appropriate Sto specification for design requirements. Refer to local building code for any special requirements.

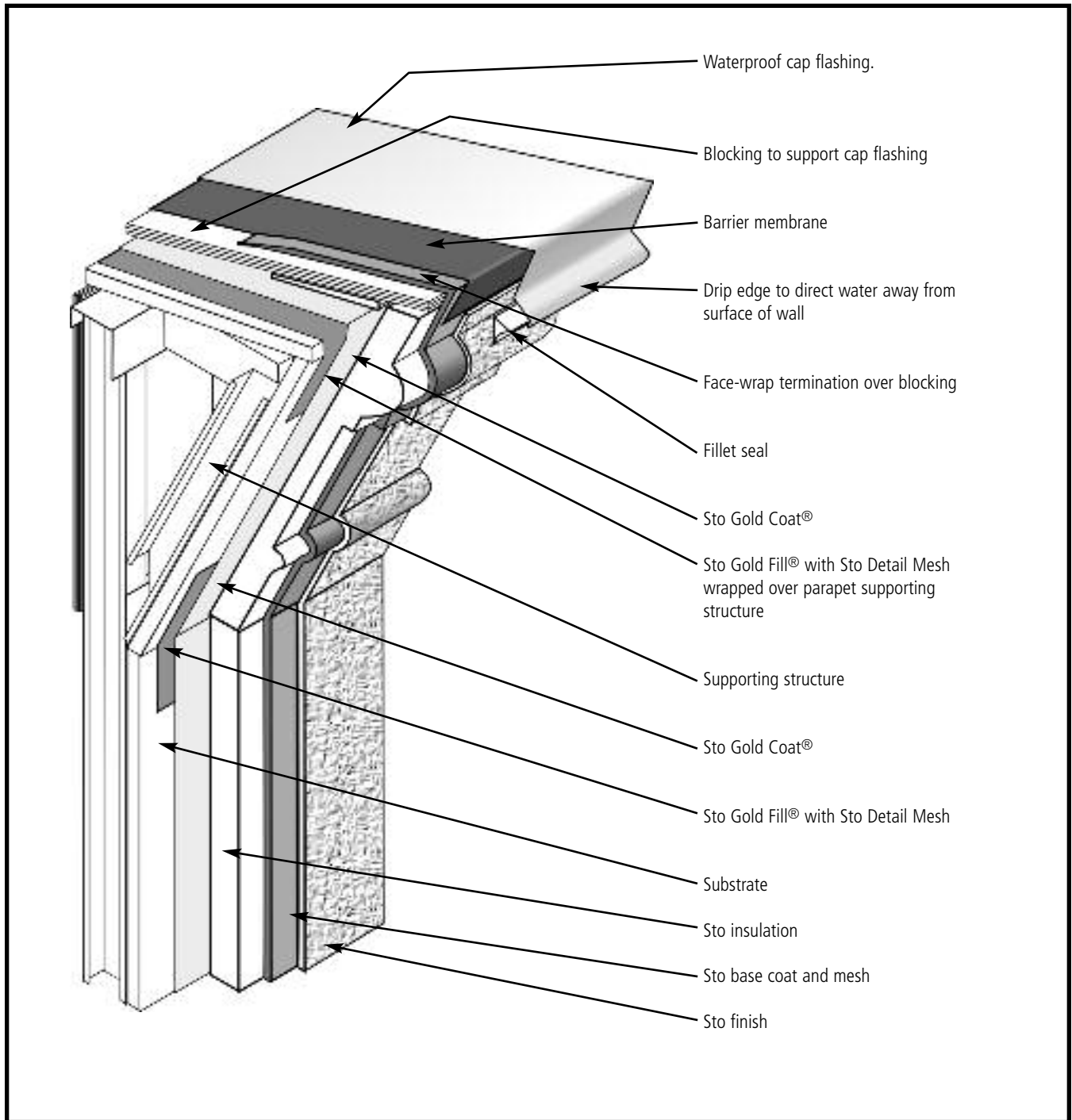


Notes:

- 1] Provide a barrier membrane over the parapet and integrate it with the roofing or deck waterproofing assembly. This provides air barrier continuity over the parapet and secondary weather protection under the cap flashing.
- 2] Provide minimum 2.5" (65 mm) overlap of flashing over face of EIFS. Increase overlap with building height.
- 3] Install StoGuard™ System over the parapet supporting structure lapping onto compatible sheathing.

Sto Gold Coat® and Sto Gold Fill® are registered trademarks of Sto Corp.

Sto details are illustrations of construction. They are guidelines, intended for use by the design/construction professional, to assist in developing project specific details. They should be modified where necessary to accommodate individual project conditions. Refer to appropriate Sto specification for design requirements. Refer to local building code for any special requirements.

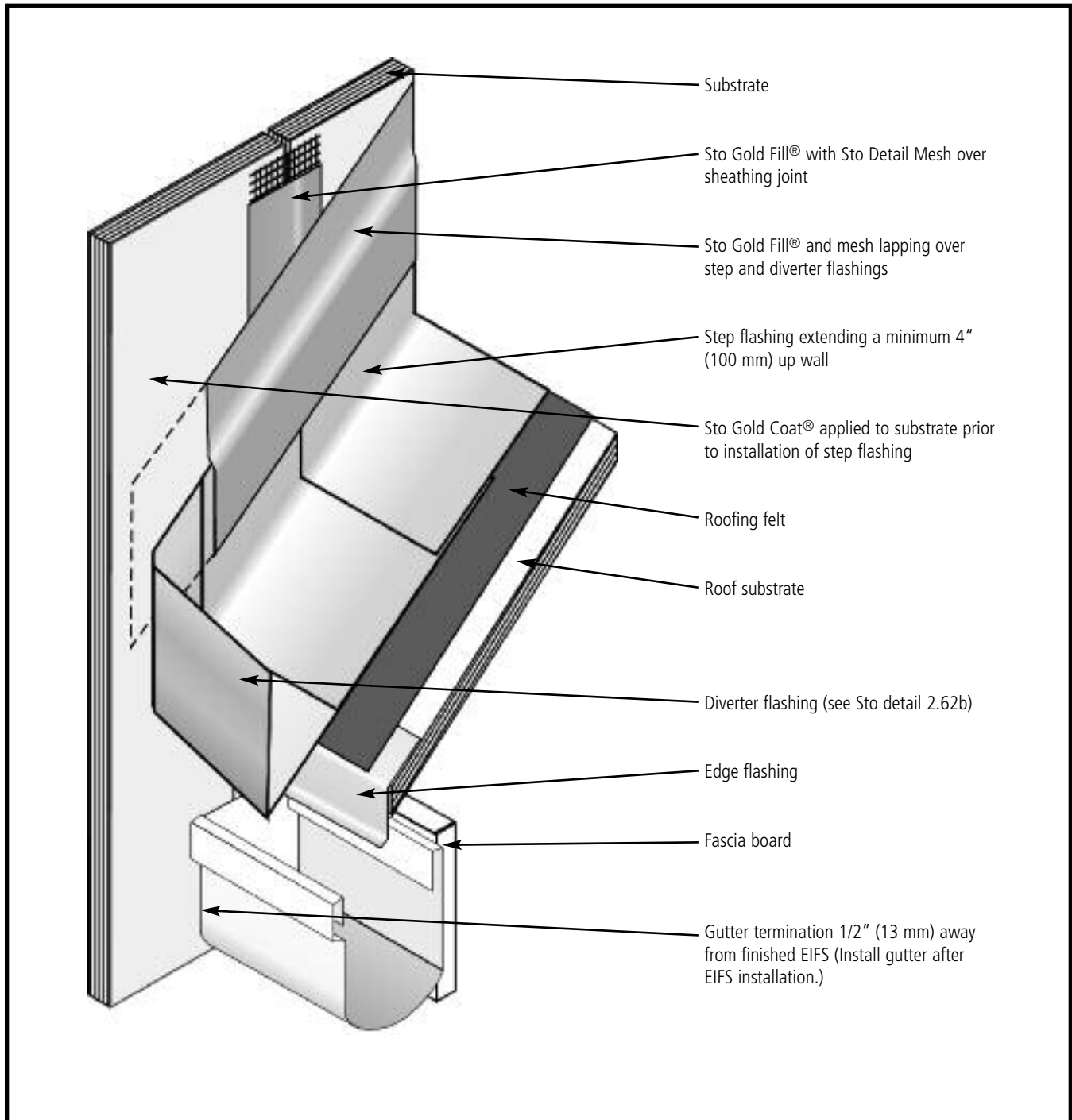


Notes:

- 1] The maximum thickness of foam plastic insulation allowed by code is typically 4" (100 mm). Larger features must be framed out as illustrated.
- 2] Provide a barrier membrane over the parapet and integrate it with the roofing or deck waterproofing assembly. This provides air barrier continuity over the parapet and secondary weather protection under the cap flashing.
- 3] Provide minimum 2.5" (65 mm) overlap of flashing over face of EIFS. Increase overlap with building height.
- 4] Install StoGuard™ System over parapet supporting structure lapping onto compatible sheathing.

Sto Gold Coat® and Sto Gold Fill® are registered trademarks of Sto Corp.

Sto details are illustrations of construction. They are guidelines, intended for use by the design/construction professional, to assist in developing project specific details. They should be modified where necessary to accommodate individual project conditions. Refer to appropriate Sto specification for design requirements. Refer to local building code for any special requirements.

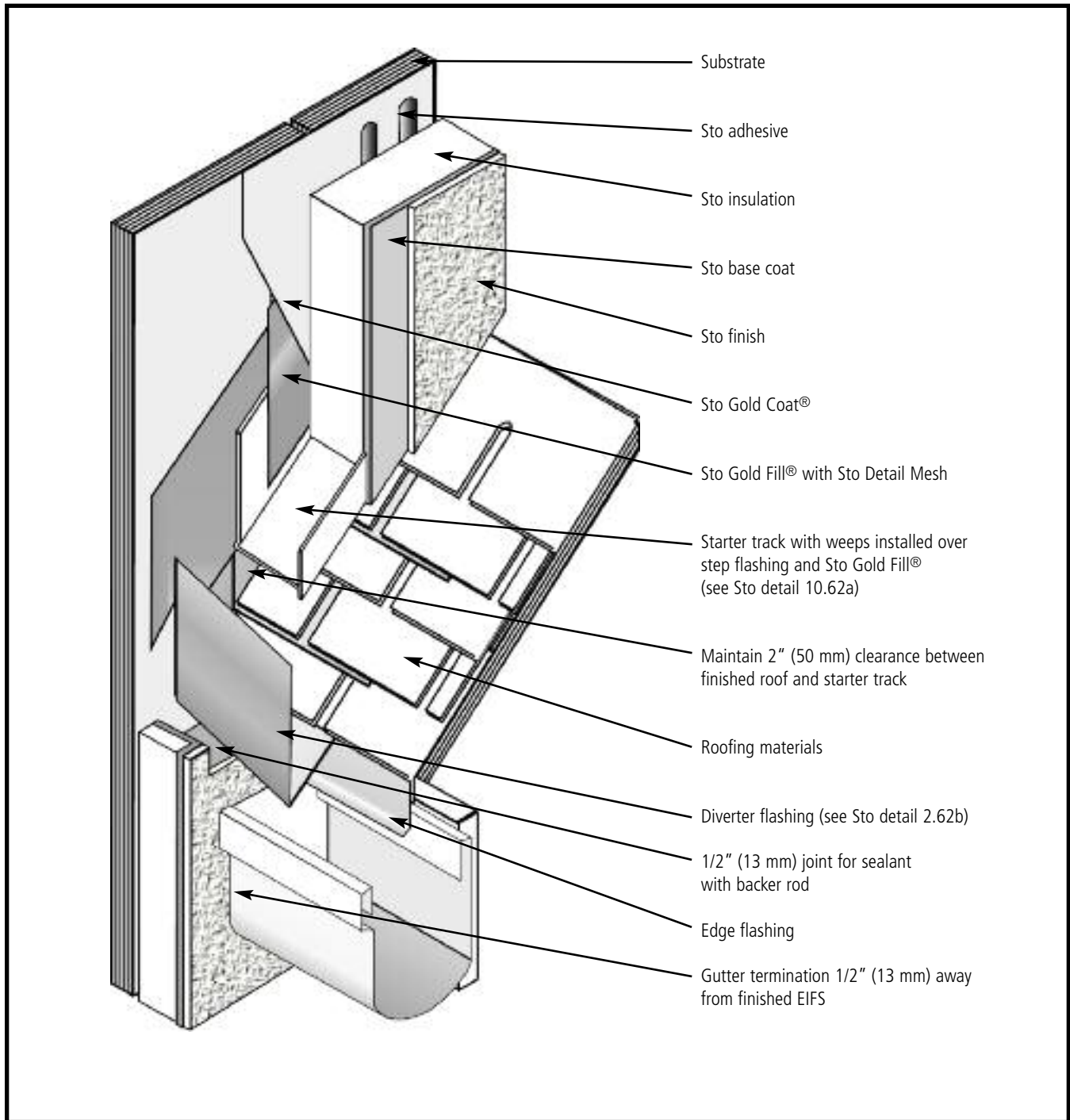


Notes:

- 1] Coordinate installation of StoGuard™ system with the roof installation. Typically, the step and diverter flashings are installed as part of the roof assembly.
- 2] Install Sto Gold Coat® over the wall sheathing prior to the installation of the flashing.
- 3] Install Sto Gold Fill® over the upper edge of the step and diverter flashing.
- 4] Refer to Sto detail 10.62b for the EIFS installation details.

Sto Gold Coat® and Sto Gold Fill® are registered trademarks of Sto Corp.

Sto details are illustrations of construction. They are guidelines, intended for use by the design/construction professional, to assist in developing project specific details. They should be modified where necessary to accommodate individual project conditions. Refer to appropriate Sto specification for design requirements. Refer to local building code for any special requirements.

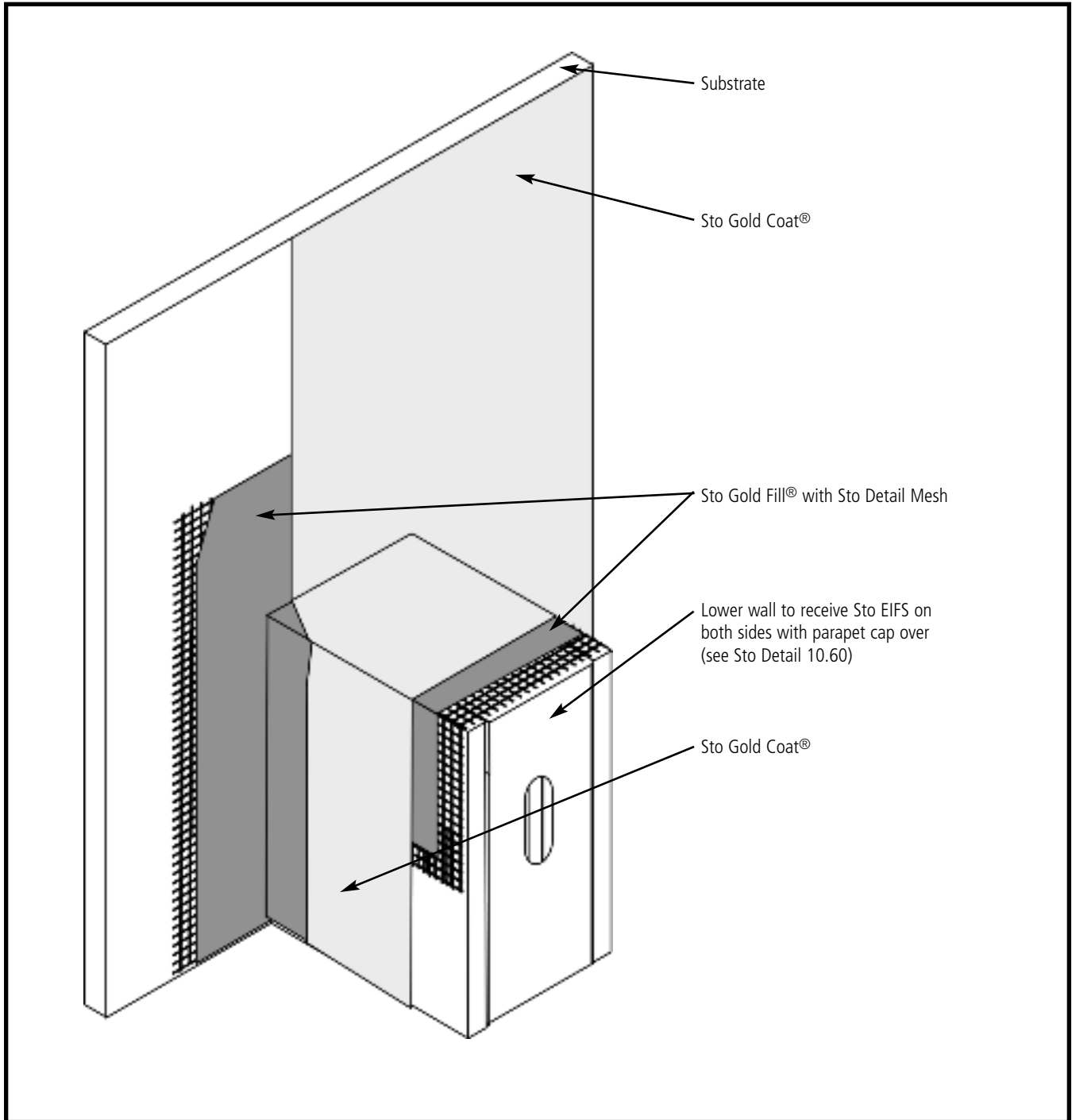


Notes:

- 1] Coordinate installation of StoGuard™ system and EIFS with the roof installation. Typically, the step and diverter flashings are installed as part of the roof assembly.
- 2] Refer to Sto detail 10.62a for integration of StoGuard™ system with the step and diverter flashings.
- 3] Install the starter track 2" (50 mm) above the finished roof and butting against the diverter flashing so water draining down the starter track will not flow over into the wall.
- 4] Install Sto Gold Fill® over the upper edge of the starter track and coat with Sto Gold Coat®.

Sto Gold Coat® and Sto Gold Fill® are registered trademarks of Sto Corp.

Sto details are illustrations of construction. They are guidelines, intended for use by the design/construction professional, to assist in developing project specific details. They should be modified where necessary to accommodate individual project conditions. Refer to appropriate Sto specification for design requirements. Refer to local building code for any special requirements.

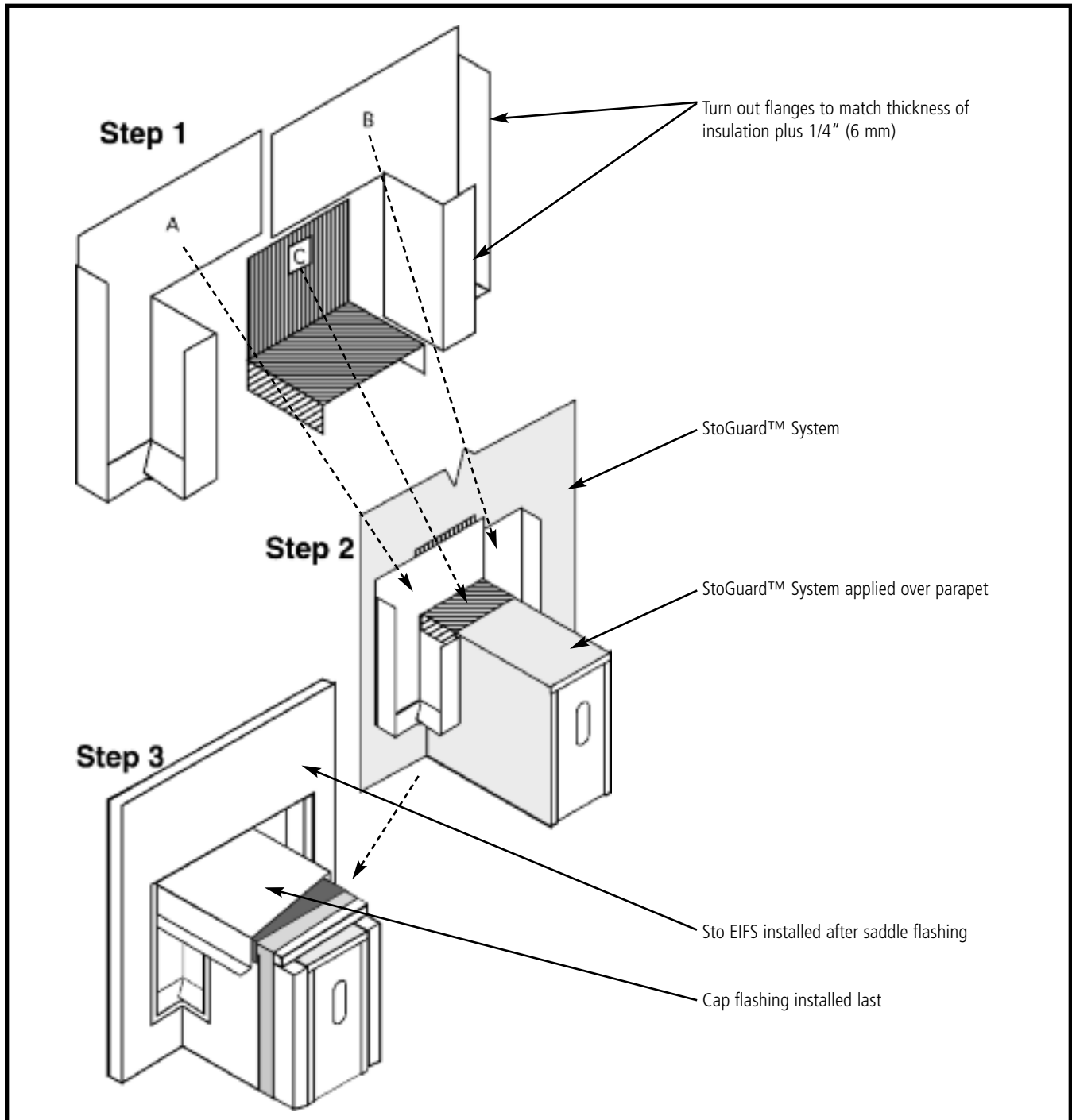


Notes:

- 1] Provide StoGuard™ System over lower and higher wall prior to the installation of saddle flashing and Sto EIFS.
- 2] See Sto detail 10.65b for assembly of saddle flashing.
- 3] See Sto detail 10.65c for integration of EIFS with saddle flashing and parapet cap flashing.

Sto Gold Coat® and Sto Gold Fill® are registered trademarks of Sto Corp.

Sto details are illustrations of construction. They are guidelines, intended for use by the design/construction professional, to assist in developing project specific details. They should be modified where necessary to accommodate individual project conditions. Refer to appropriate Sto specification for design requirements. Refer to local building code for any special requirements.

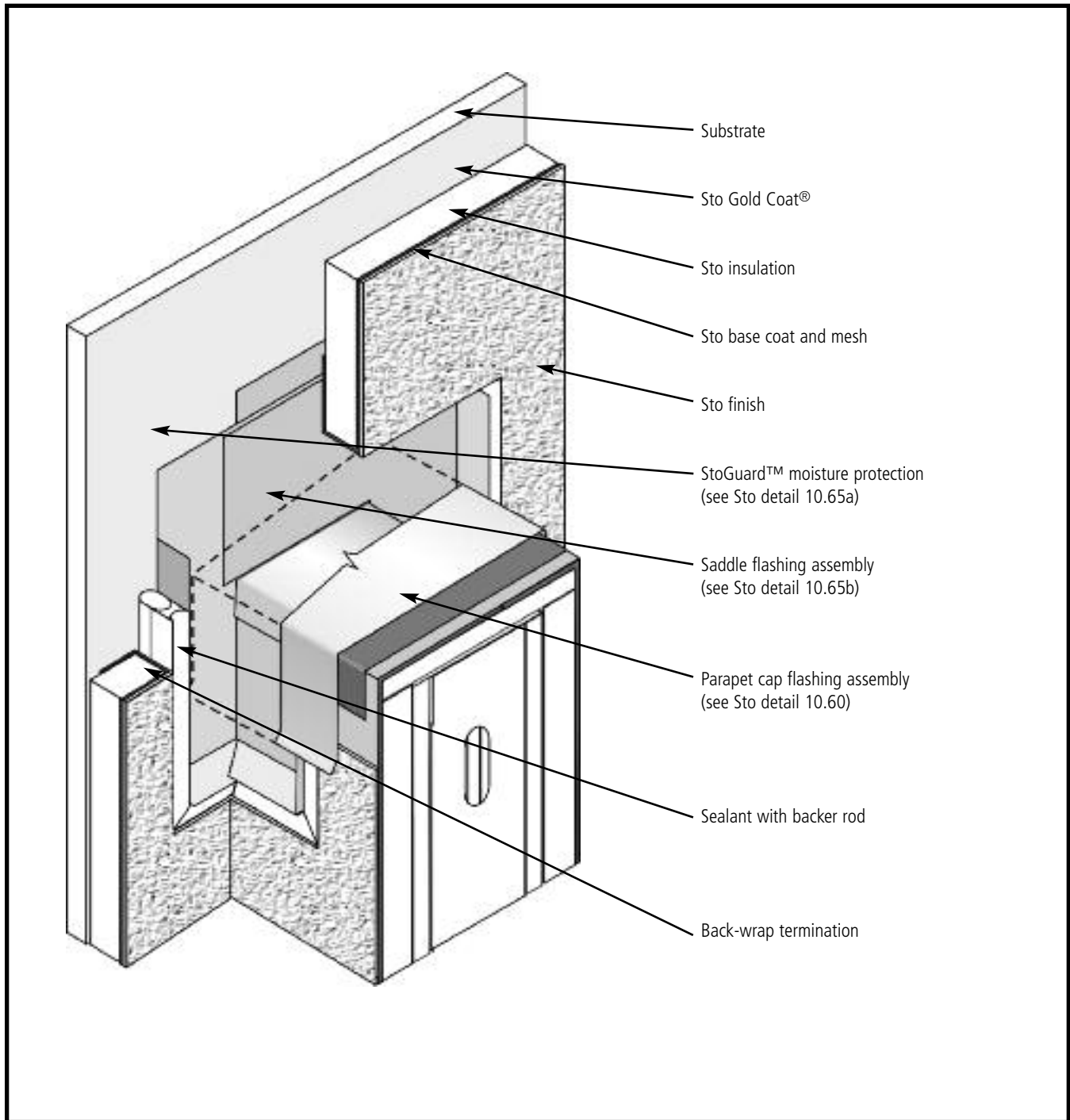


Notes:

- 1] Pieces 'A' and 'B' are folded as shown and are mirror images of the other. The flat top portions are designed to overlap over the parapet wall and flat against the higher wall. The turnouts are to match the thickness of the insulation plus 1/4" (6 mm).
- 2] Piece 'C' is designed to straddle the parapet wall. The upturned flange is placed behind the flat flanges of 'A' and 'B' and the two down turned legs interlock over the lower portions of 'A' and 'B' in a shingle fashion.
- 3] The assembled pieces are installed against StoGuard™ System (Sto detail 10.65a) and into sealant.
- 4] Provide EIFS as shown in Sto detail 10.65c.
- 5] Provide cap flashing as shown in Sto detail 10.60.

Sto Gold Coat® and Sto Gold Fill® are registered trademarks of Sto Corp.

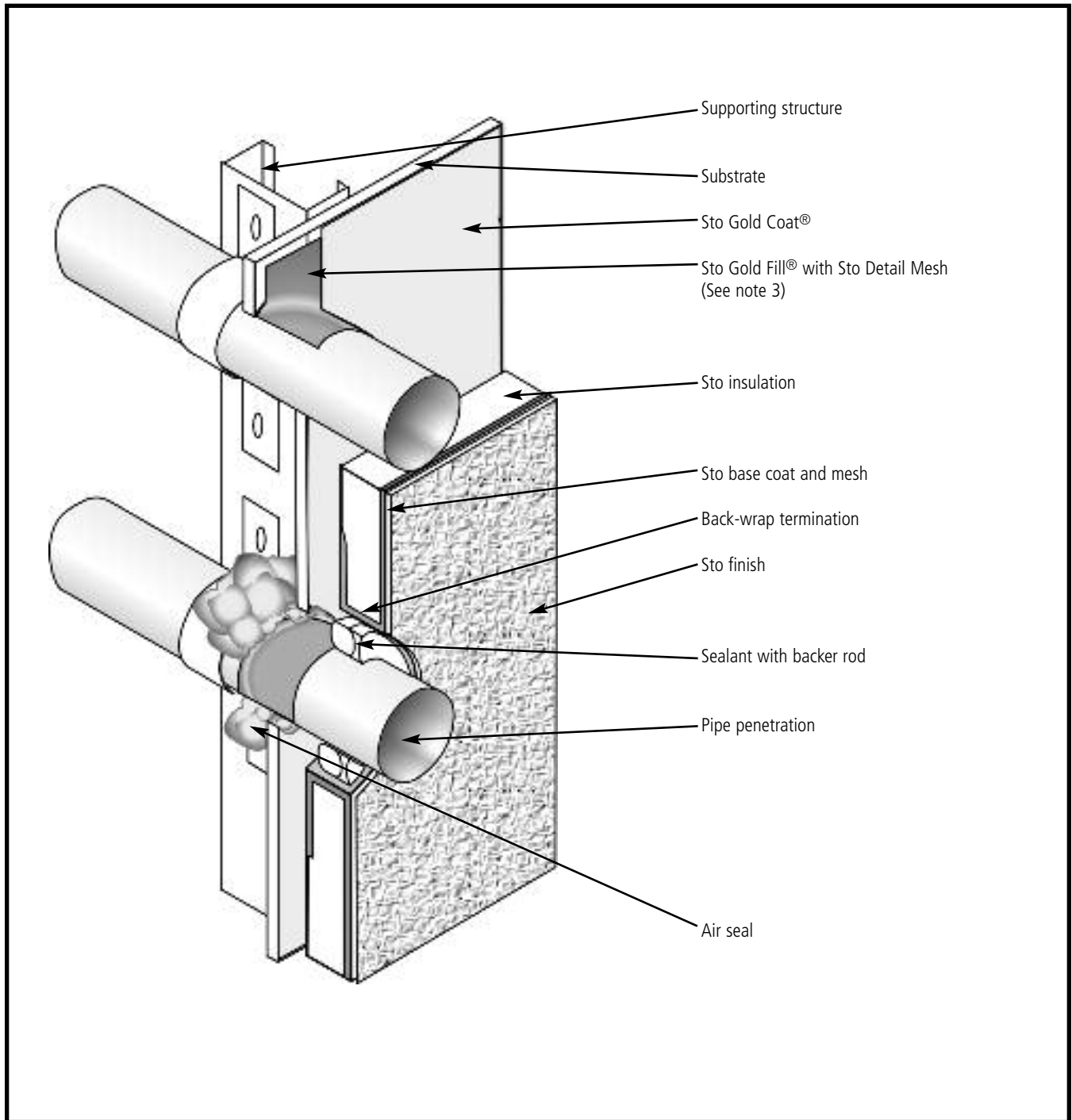
Sto details are illustrations of construction. They are guidelines, intended for use by the design/construction professional, to assist in developing project specific details. They should be modified where necessary to accommodate individual project conditions. Refer to appropriate Sto specification for design requirements. Refer to local building code for any special requirements.



Notes:

- 1] Install Sto EIFS over StoGuard™ System (see Sto detail 10.65a).
- 2] Lap EIFS over the flashing assembly at the top by a minimum of 2" (50 mm) and terminate with 1/2" (13 mm) joint around the perimeter.
- 3] See Sto Detail 10.65b for assembly of saddle flashing.
- 4] Provide parapet cap flashing. (See Sto detail 10.60 for termination at a parapet cap flashing).

Sto details are illustrations of construction. They are guidelines, intended for use by the design/construction professional, to assist in developing project specific details. They should be modified where necessary to accommodate individual project conditions. Refer to appropriate Sto specification for design requirements. Refer to local building code for any special requirements.

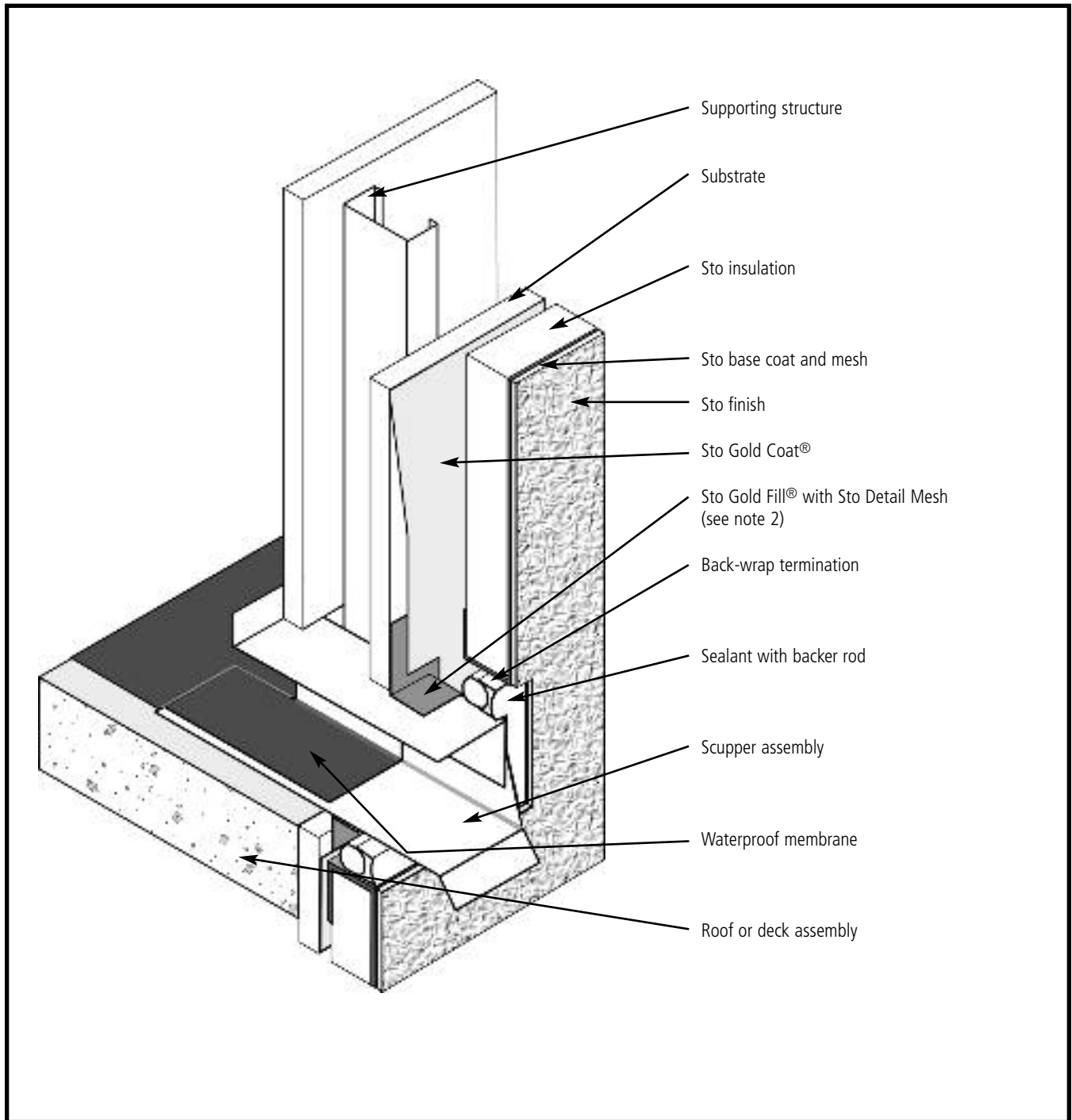


Notes:

- 1] Detail assumes pipe is installed prior to the EIFS or that it's location has been identified.
- 2] Prepare an opening in the EIFS with a joint of 1/2" (13 mm) around the penetration and provide sealant with a closed cell backer rod. Provide air seal around the interior side of the penetration to reduce the pressure difference across the outside sealant.
- 3] Provide barrier membrane in lieu of Sto Gold Fill® at penetration where joint between sheathing and penetrating element exceeds 1/8" (3 mm). Lap barrier membrane over Sto Gold Coat®

Sto Gold Coat® and Sto Gold Fill® are registered trademarks of Sto Corp.

Sto details are illustrations of construction. They are guidelines, intended for use by the design/construction professional, to assist in developing project specific details. They should be modified where necessary to accommodate individual project conditions. Refer to appropriate Sto specification for design requirements. Refer to local building code for any special requirements.

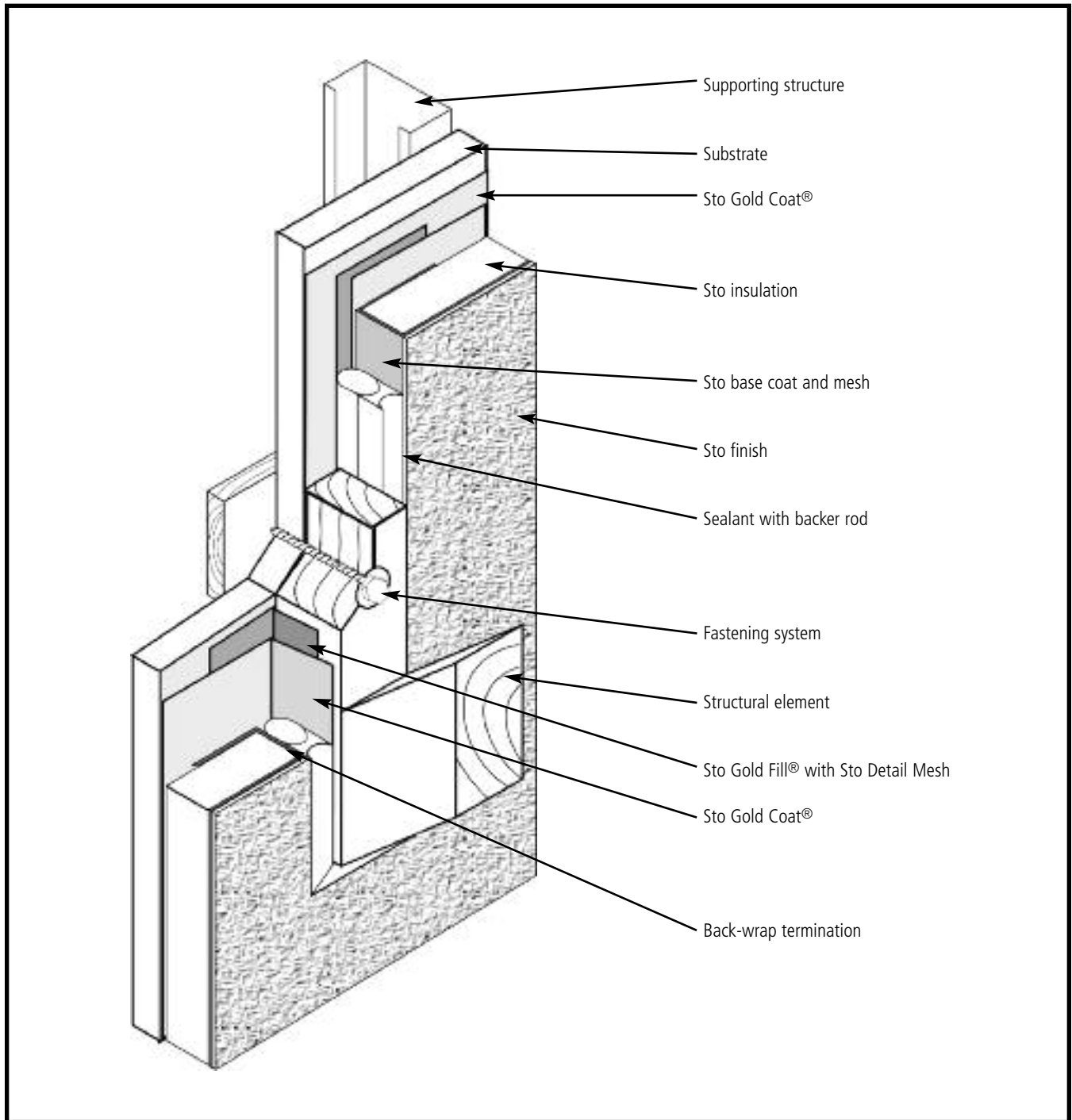


Notes:

- 1] Provide leakproof scupper assembly and installation to direct water away from the wall surface.
- 2] Provide barrier membrane in lieu of Sto Gold Fill® at penetration where joint between sheathing and penetrating element exceeds 1/8" (3 mm).
Lap barrier membrane over Sto Gold Coat®

Sto Gold Coat® and Sto Gold Fill® are registered trademarks of Sto Corp.

Sto details are illustrations of construction. They are guidelines, intended for use by the design/construction professional, to assist in developing project specific details. They should be modified where necessary to accommodate individual project conditions. Refer to appropriate Sto specification for design requirements. Refer to local building code for any special requirements.

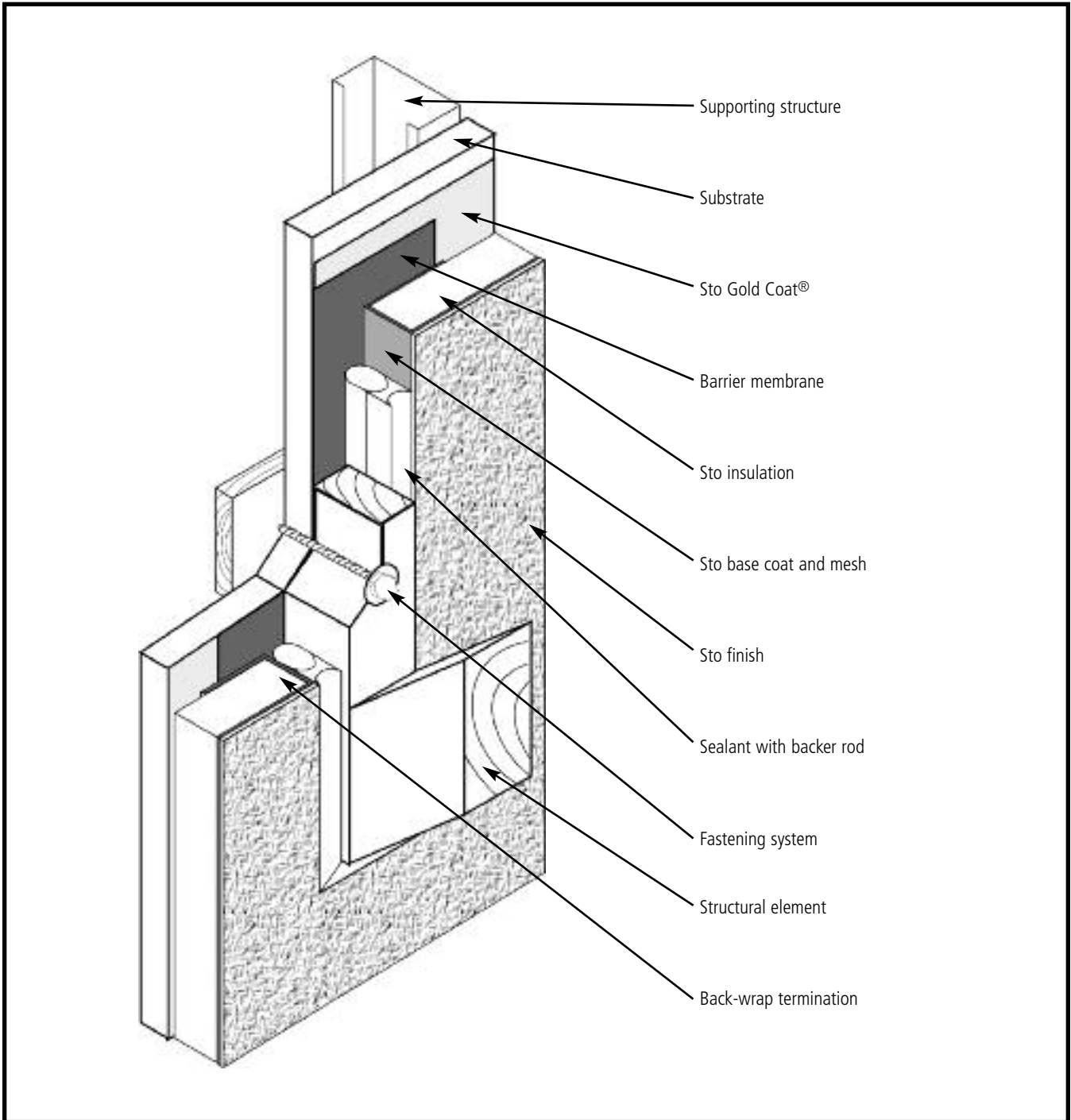


Notes:

- 1] Fasten structural element to the structure over an application of Sto Gold Coat®.
- 2] Terminate the EIFS 1/2" (13 mm) away from the structural element to allow for the installation of sealant and backer rod.

Sto Gold Coat® and Sto Gold Fill® are registered trademarks of Sto Corp.

Sto details are illustrations of construction. They are guidelines, intended for use by the design/construction professional, to assist in developing project specific details. They should be modified where necessary to accommodate individual project conditions. Refer to appropriate Sto specification for design requirements. Refer to local building code for any special requirements.

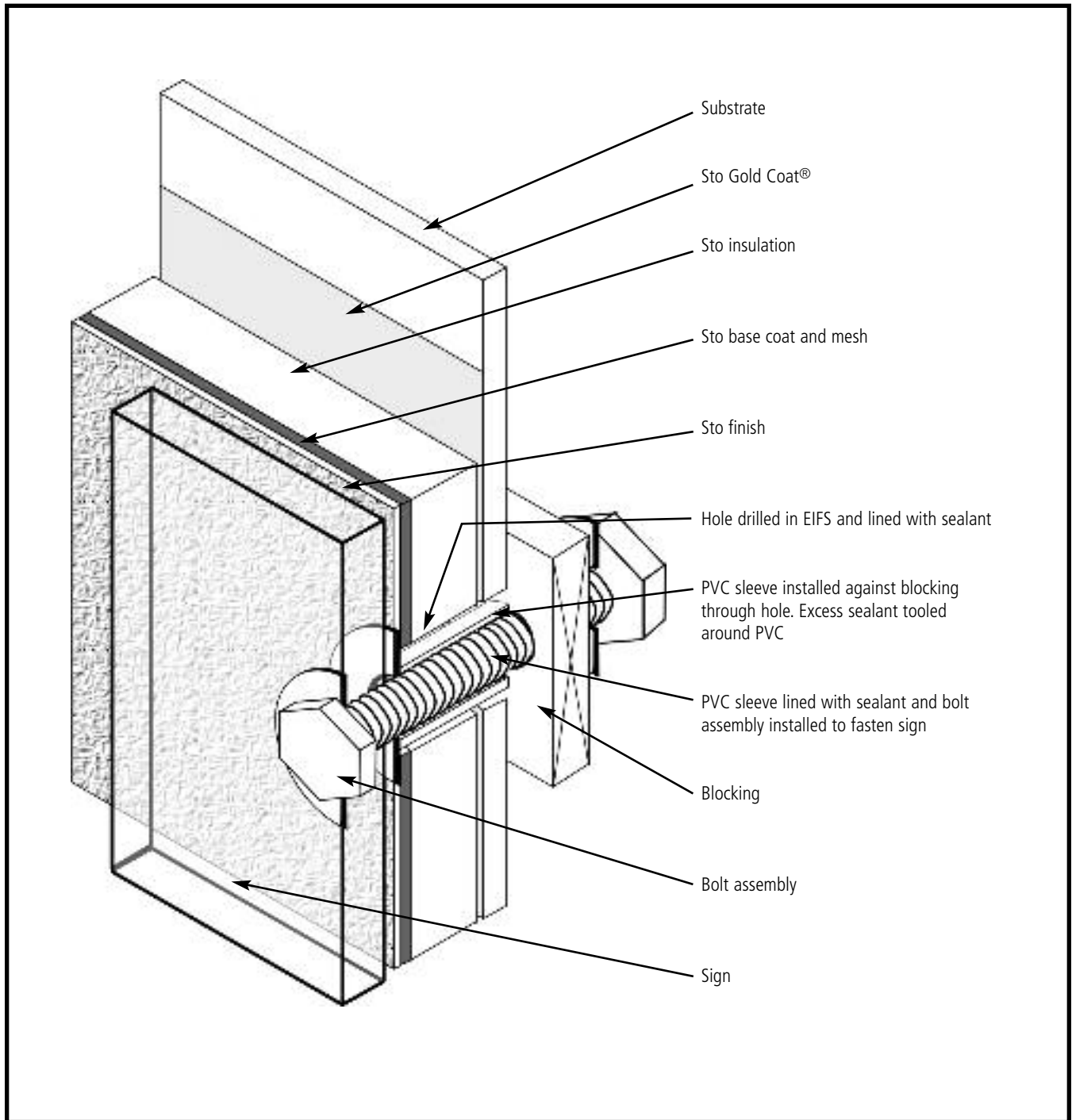


Notes:

- 1] Fasten structural element to the structure over a barrier membrane applied over Sto Gold Coat®.
- 2] Terminate the EIFS 1/2" (13 mm) away from the structural element to allow for the installation of sealant and backer rod.

Sto Gold Coat® and Sto Gold Fill® are registered trademarks of Sto Corp.

Sto details are illustrations of construction. They are guidelines, intended for use by the design/construction professional, to assist in developing project specific details. They should be modified where necessary to accommodate individual project conditions. Refer to appropriate Sto specification for design requirements. Refer to local building code for any special requirements.

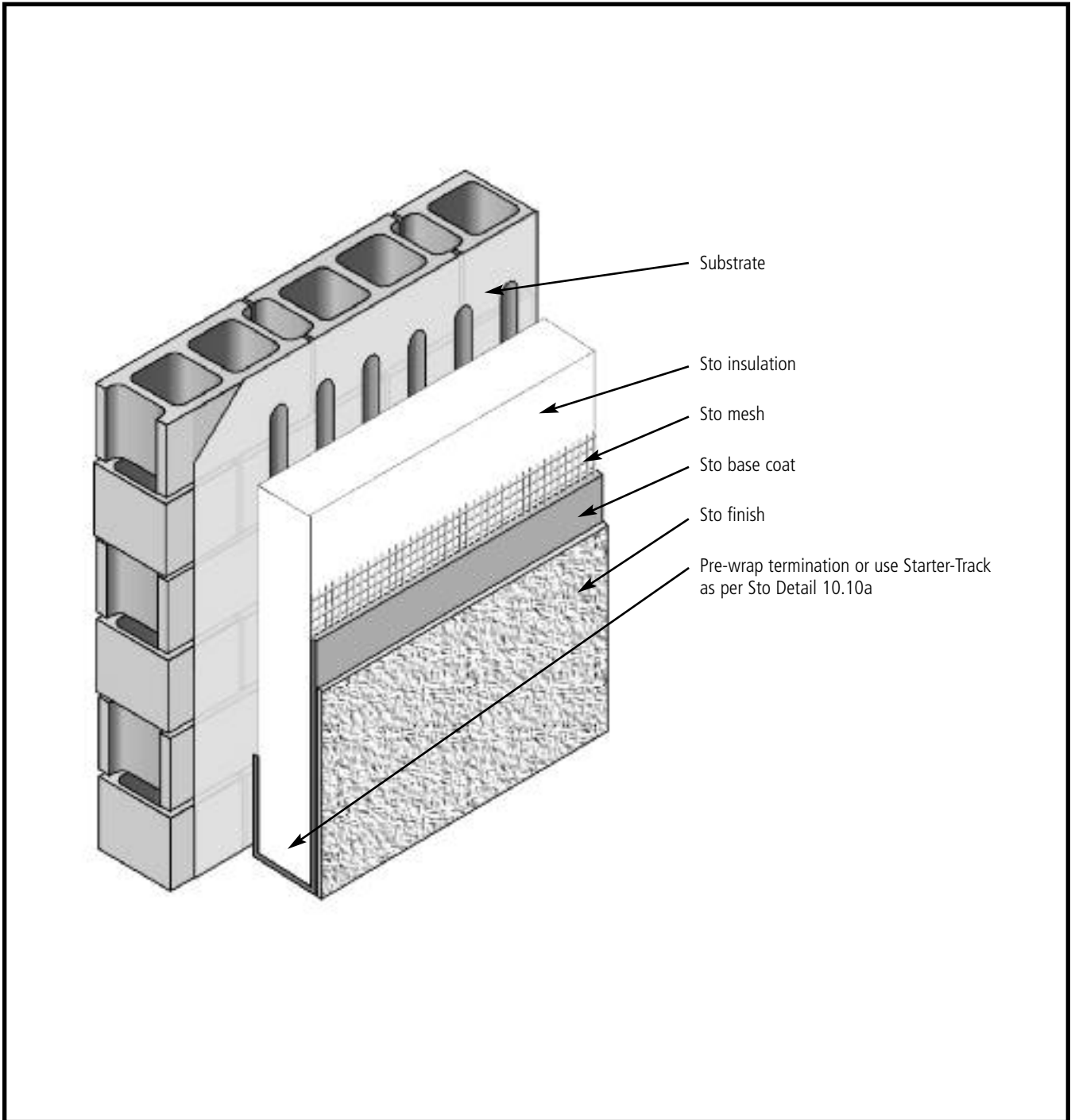


Notes:

- 1] The sign, or other attachment, is normally installed after the EIFS installation is complete.
- 2] Blocking or other structural support required for non-structural substrates and heavy objects

Sto Gold Coat® and Sto Gold Fill® are registered trademarks of Sto Corp.

Sto details are illustrations of construction. They are guidelines, intended for use by the design/construction professional, to assist in developing project specific details. They should be modified where necessary to accommodate individual project conditions. Refer to appropriate Sto specification for design requirements. Refer to local building code for any special requirements.



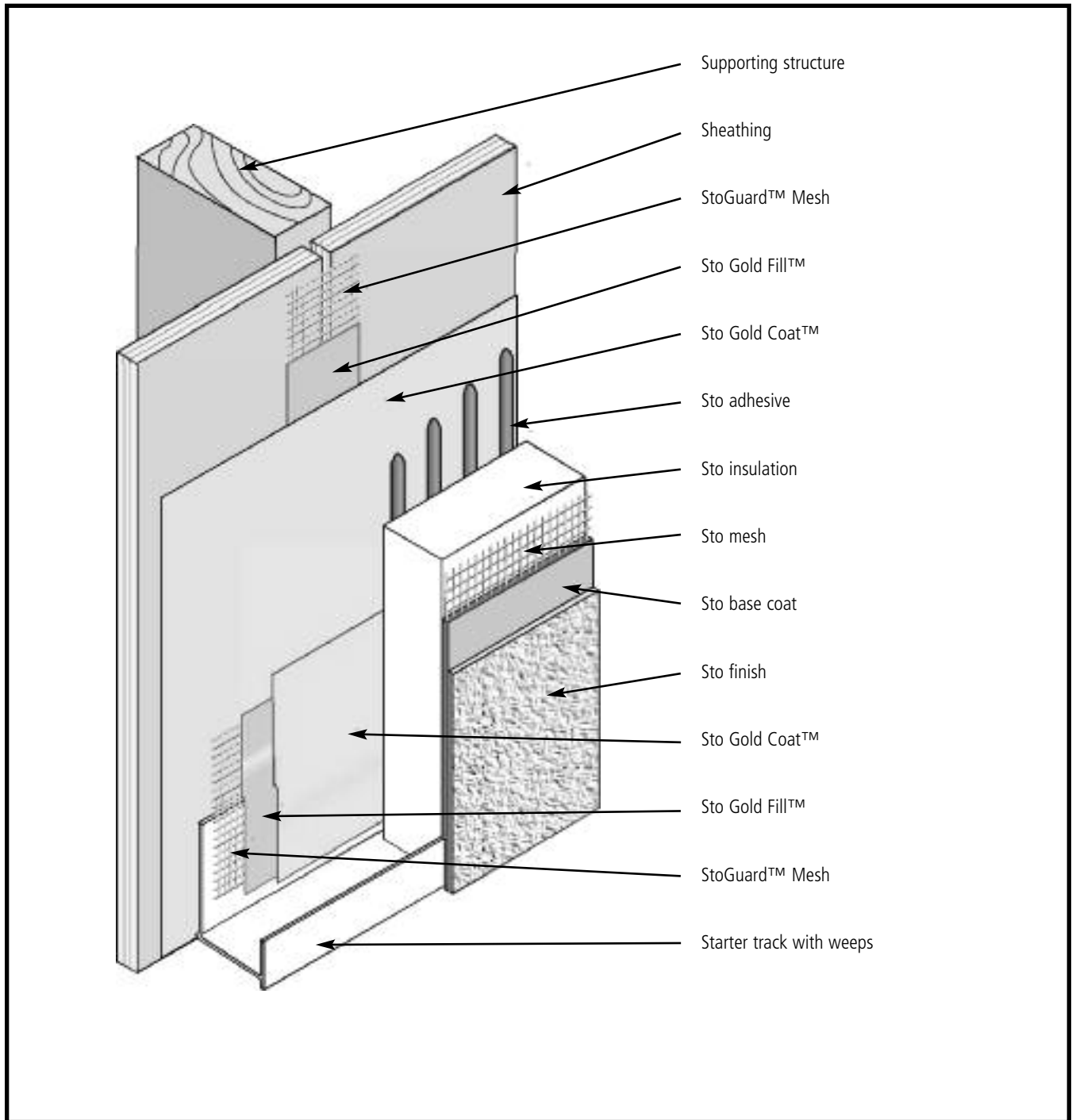
Notes:

Detail shows the components of StoTherm NExT® installed over a CMU substrate:

- 1] StoGuard™ Moisture and Air Barrier installed as per Sto Detail 20.01G or 20.02G and Sto Specification.
- 2] Sto adhesive
- 3] Sto insulation
- 4] Sto base coat
- 5] Sto mesh
- 6] Sto finish

Sto Gold Coat® and Sto Gold Fill® are registered trademarks of Sto Corp.

Sto details are illustrations of construction. They are guidelines, intended for use by the design/construction professional, to assist in developing project specific details. They should be modified where necessary to accommodate individual project conditions. Refer to appropriate Sto specification for design requirements. Refer to local building code for any special requirements.



Notes:

Detail shows the components of a StoTherm Exterior Insulation and Finish System StoGuard (EIFS) with Waterproofing/Air Barrier on wood frame construction.

StoGuard:

- 1] Sto Gold Fill with StoGuard Mesh
- 2] Sto Gold Coat

StoTherm:

- 1] Sto Adhesive
- 2] Sto Insulation
- 3] Sto Base Coat

Sto Gold Coat® and Sto Gold Fill® are registered trademarks of Sto Corp.

Sto details are illustrations of construction. They are guidelines, intended for use by the design/construction professional, to assist in developing project specific details. They should be modified where necessary to accommodate individual project conditions. Refer to appropriate Sto specification for design requirements. Refer to local building code for any special requirements.



Sto Corp.
3800 Camp Creek Parkway
Building 1400, Suite 120
Atlanta, GA 30331
Tel: 404-346-3666
Toll Free: 1-800-221-2397
Fax: 404-346-3119
www.stocorp.com



06/10 S530D VEN 5609

ATTENTION

Sto products are intended for use by qualified professional contractors, not consumers, as a component of a larger construction assembly as specified by a qualified design professional, general contractor or builder. They should be installed in accordance with those specifications and Sto's instructions. Sto Corp. disclaims all, and assumes no, liability for on-site inspections, for its products applied improperly, or by unqualified persons or entities, or as part of an improperly designed or constructed building, for the nonperformance of adjacent building components or assemblies, or for other construction activities beyond Sto's control. Improper use of Sto products or use as part of an improperly designed or constructed larger assembly or building may result in serious damage to this product, and to the structure of the building or its components. **STO CORP. DISCLAIMS ALL WARRANTIES EXPRESSED OR IMPLIED EXCEPT FOR EXPLICIT LIMITED WRITTEN WARRANTIES ISSUED TO AND ACCEPTED BY BUILDING OWNERS IN ACCORDANCE WITH STO'S WARRANTY PROGRAMS WHICH ARE SUBJECT TO CHANGE FROM TIME TO TIME.** For the fullest, most current information on proper application, clean-up, mixing and other specifications and warranties, cautions and disclaimers, please refer to the Sto Corp. website, www.stocorp.com.