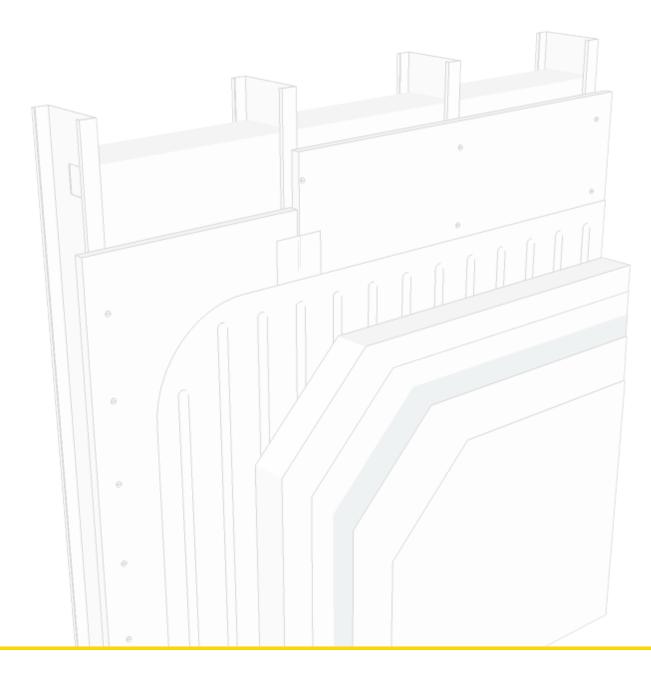
## **Detail Booklet**

Sto

StoTherm® ci ProD Series 54s.xx Steel Frame Construction June 2018



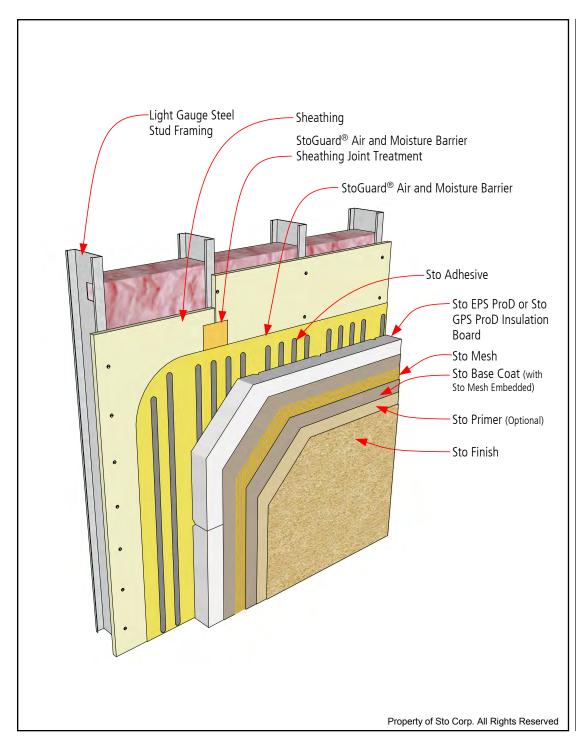
#### ATTENTION

www.stocanada.com





## StoTherm® ci ProD System Components



#### Notes:

1. StoTherm ci ProD System Components:

Detail No.: 54s.00

Date: April 2016

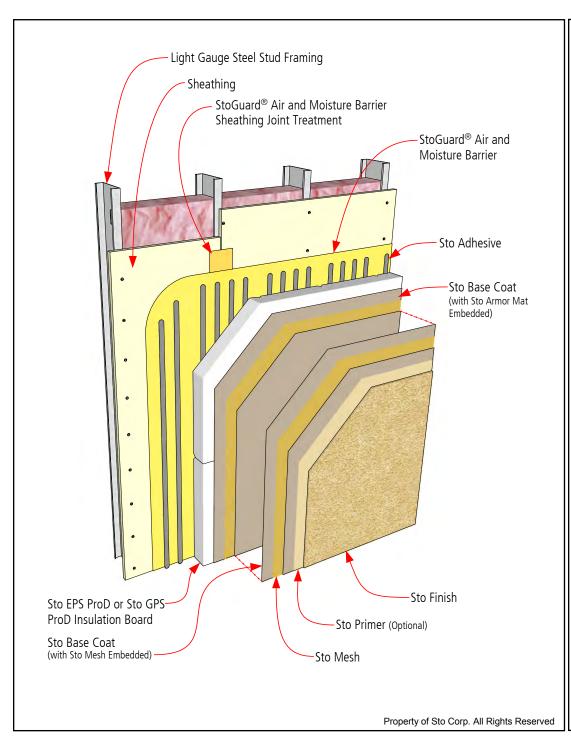
- StoGuard Air and Moisture Barrier
- Sto Adhesive
- Sto EPS ProD or Sto GPS ProD Insulation Board
- Sto Mesh
- Sto Primer (optional)
- Sto Base Coat
- Sto Finish
- Refer to StoTherm ci ProD System Bulletins and Specifications, Sto Product Bulletins, Tech Hotlines, and Sto Installation and Maintenance Guides for complete information.
- Refer to applicable CCMC Evaluation Reports for building code compliance information.

IMPORTANT: Components not identified as Sto are furnished by other manufacturers and are not necessarily installed by trades who install Sto products. Refer to project specific contract documents.

#### **ATTENTION**



## StoTherm® ci ProD System Components: Ultra-High Impact Resistance



#### Notes:

1.StoTherm ci ProD System Components:

Detail No.: 54s.01

Date: April 2016

- StoGuard air and Moisture Barrier
- Sto Adhesive
- Sto EPS or Sto GPS Insulation Board
- Sto Armor Mat XX
- Sto Mesh
- Sto Primer (optional)
- Sto Base Coat
- Sto Finish
- 2. Ultra-high impact resistance recommended at all ground floors to a minimum height of 6'-0" (1.8 m) above finished grade and other areas accessible to pedestrian traffic, abnormal stress or impact.
- Refer to StoTherm ci ProD System Bulletins and Specifications, Sto Product Bulletins, Tech Hotlines, and Sto Installation and Maintenance Guides for complete information.
- Refer to applicable CCMC Evaluation Reports for building code compliance information.

IMPORTANT: Components not identified as Sto are furnished by other manufacturers and are not necessarily installed by trades who install Sto products. Refer to project specific contract documents.

#### **ATTENTION**



## StoTherm<sup>®</sup> ci ProD Termination at Grade -Sheathing Flush with Foundation or Slab Edge

## Sto Base Coat (with Sto Mesh Embedded) Sto Mesh Sto EPS ProD or Sto GPS ProD Sto Primer (Optional) Insulation Board Sto Finish Light Gauge Steel Stud Framing StoGuard® Air and Moisture Barrier Sheathing-Sto Adhesive Sto EPS ProD or Sto-**GPS ProD Starter** Board, Pre-Wrapped StoGuard® Air and Moisture Barrier Detail Component Flashing, Sloped Terminate Assembly 6" (152 mm) Above Grade, min. StoGuard® Transition Membrane Backer Rod & Sealant w/ Embedded in StoGuard® Air and Weep Holes Moisture Barrier (protect with StoCoat Acryl Plus or Flashing) Property of Sto Corp. All Rights Reserved

#### Notes:

1. Terminate system minimum 6" (15.2 cm) above finished grade, higher for areas with heavy snow accumulations, or where required by code.

Detail No.: 54s.03A

Date: April 2016

- 2. Ultra-high impact resistance recommended at all ground floors to a minimum height of 6'-0" (1.8 m) above finished grade and other areas accessible to pedestrian traffic, abnormal stress or impact.
- Refer to StoTherm ci ProD System Bulletins and Specifications, Sto Product Bulletins, Tech Hotlines, and Sto Installation and Maintenance Guides for complete information.
- Refer to applicable CCMC Evaluation Reports for building code compliance information.

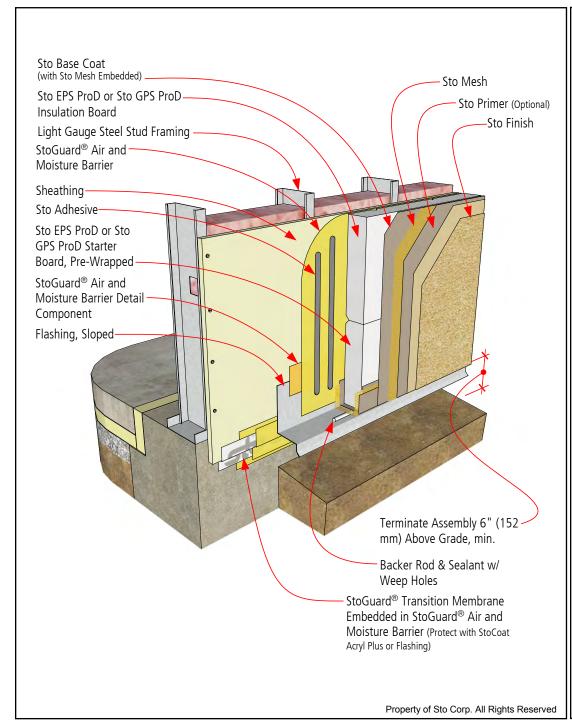
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## StoTherm<sup>®</sup> ci ProD Termination at Grade -Sheathing Overlapping Slab or Foundation



#### **Notes:**

1. Terminate system minimum 6" (15.2 cm) above finished grade, higher for areas with heavy snow accumulations, or where required by code.

Detail No.: 54s.03B

Date: April 2016

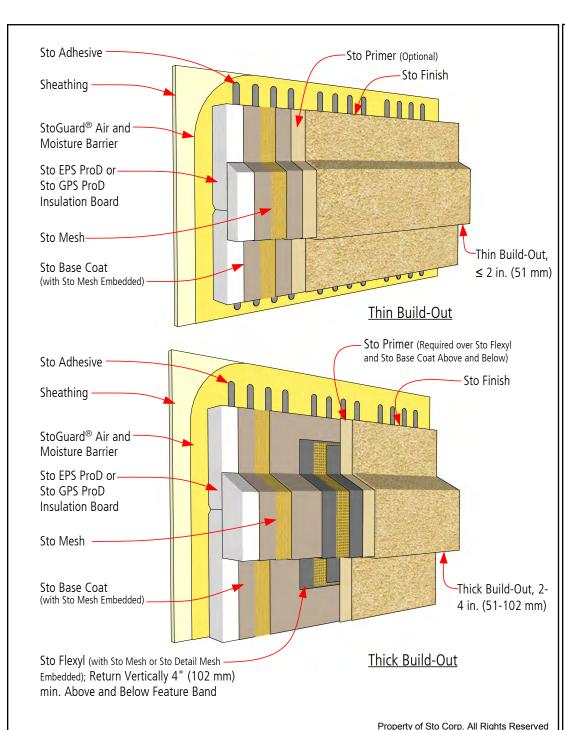
- 2. Ultra-high impact resistance recommended at all ground floors to a minimum height of 6'-0" (1.8 m) above finished grade and other areas accessible to pedestrian traffic, abnormal stress or impact.
- Refer to StoTherm ci ProD System Bulletins and Specifications, Sto Product Bulletins, Tech Hotlines, and Sto Installation and Maintenance Guides for complete information.
- Refer to applicable CCMC Evaluation Reports for building code compliance information.

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#### **ATTENTION**



### StoTherm® ci ProD Aesthetic Feature Band



#### Notes:

1. Feature band attached with Sto TurboStick Adhesive, also used as filler and rasped smooth at any gaps between feature band and base layer of insulation board.

Detail No.: 54s.04

Date: April 2016

- 2. Slope top surface of feature band minimum 27 degrees. Increase slope for northern climates to prevent snow and ice accuulations.
- 3. Limit thickness of buildout to reduce maintenance associated with projecting architectural features.
- Refer to StoTherm ci ProD System Bulletins and Specifications, Sto Product Bulletins, Tech Hotlines, and Sto Installation and Maintenance Guides for complete information.
- Refer to applicable CCMC Evaluation Reports for building code compliance information.

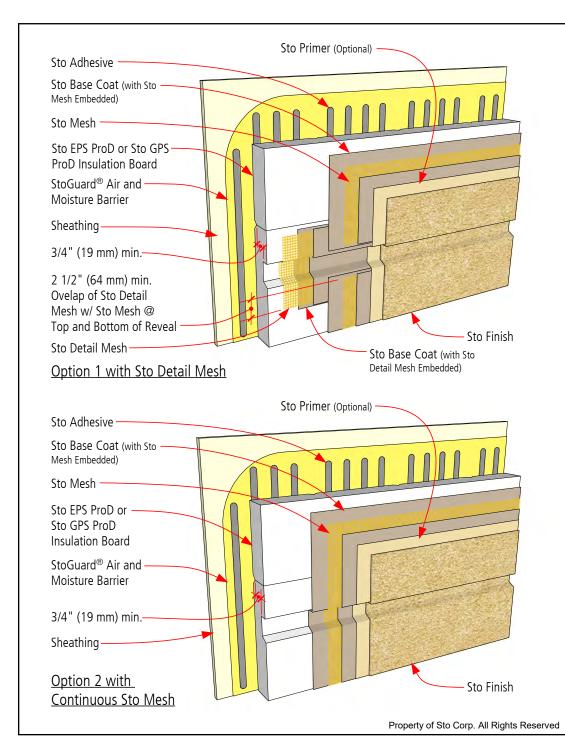
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### StoTherm® ci ProD Aesthetic Reveal



#### Notes:

1. Slope bottom surface of reveal minimum 27 degrees. Increase slope for northern climates to prevent snow and ice accumulations.

Detail No.: 54s.05

Date: April 2016

- 2. Maintain minimum 3/4 inch (19 mm) thickness of insulation board at base of reveal.
- Refer to StoTherm ci ProD System Bulletins and Specifications, Sto Product Bulletins, Tech Hotlines, and Sto Installation and Maintenance Guides for complete information.
- Refer to applicable CCMC Evaluation Reports for building code compliance information.

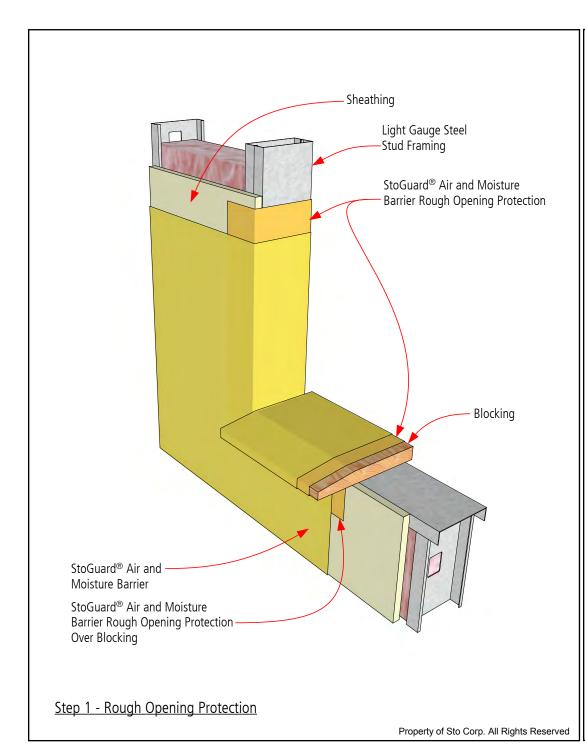
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## StoTherm® ci ProD Receptor-Type Window Sill



#### Notes:

1. Consult with window and sealant manufacturers to verify window installation and detailing and to assure no water leakage into the wall assembly. Consult with window manufacturer regarding window and/or flashing assembly thermal breaks to avoid condensation. Test the final assembly using materials and trades associated with the project to verify performance. Correct any deficiencies associated with excess air leakage, water infiltration into the wall assembly, or structural inadequacies.

Detail No.: 54s.23A-1

Date: April 2016

- 2. Construct a site built mockup using materials and subtrades associated with the project to verify installation sequencing, detailing, and aesthetics.
- Refer to StoTherm ci ProD System Bulletins and Specifications, Sto Product Bulletins, Tech Hotlines, and Sto Installation and Maintenance Guides for complete information.
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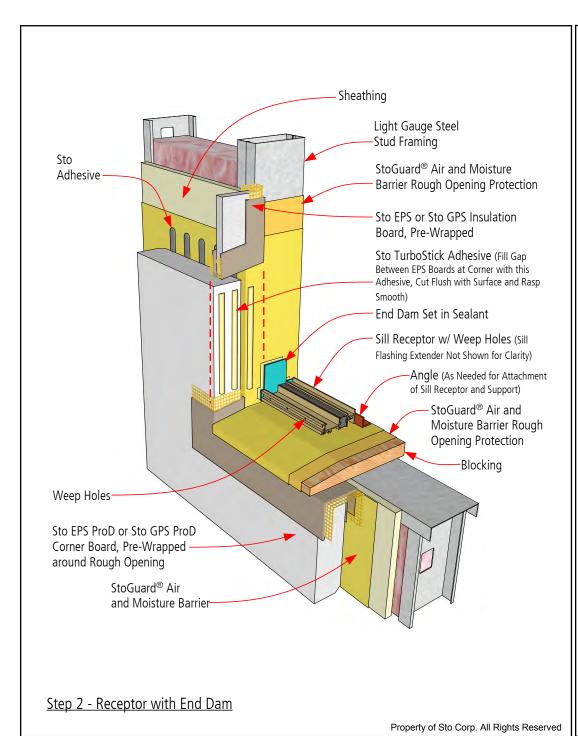
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## StoTherm® ci ProD Receptor-Type Window Sill



#### Notes:

1. Consult with window and sealant manufacturers to verify window installation and detailing and to assure no water leakage into the wall assembly. Consult with window manufacturer regarding window and/or flashing assembly thermal breaks to avoid condensation. Test the final assembly using materials and trades associated with the project to verify performance. Correct any deficiencies associated with excess air leakage, water infiltration into the wall assembly, or structural inadequacies.

Detail No.: 54s.23A-2

Date: April 2016

- 2. Construct a site built mockup using materials and subtrades associated with the project to verify installation sequencing, detailing, and aesthetics.
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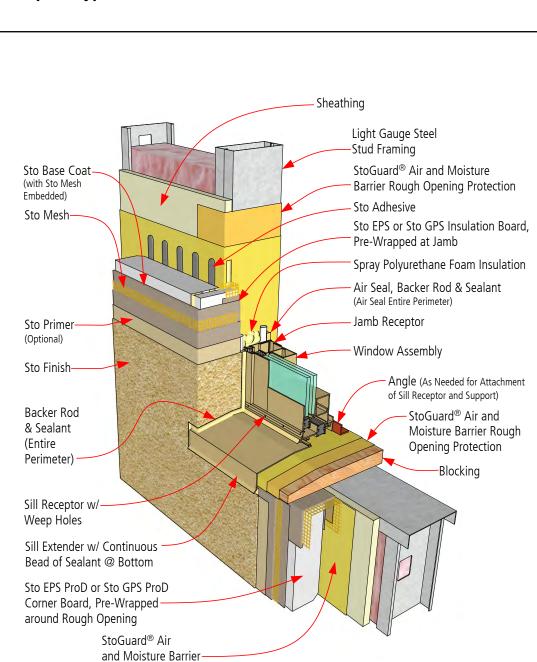
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## StoTherm® ci ProD Receptor-Type Window Sill



Step 3 - Window and Sill Flashing, Cladding, and Perimeter Weather and Air Seals

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#### Notes:

1. Consult with window and sealant manufacturers to verify window installation and detailing and to assure no water leakage into the wall assembly. Consult with window manufacturer regarding window and/or flashing assembly thermal breaks to avoid condensation. Test the final assembly using materials and trades associated with the project to verify performance. Correct any deficiencies associated with excess air leakage, water infiltration into the wall assembly, or structural inadequacies.

Detail No.: 54s.23A-3

Date: April 2016

- 2. Construct a site built mockup using materials and subtrades associated with the project to verify installation sequencing, detailing, and aesthetics.
- Refer to StoTherm ci ProD System Bulletins and Specifications, Sto Product Bulletins, Tech Hotlines, and Sto Installation and Maintenance Guides for complete information.
- Refer to applicable CCMC Evaluation Reports for building code compliance information.

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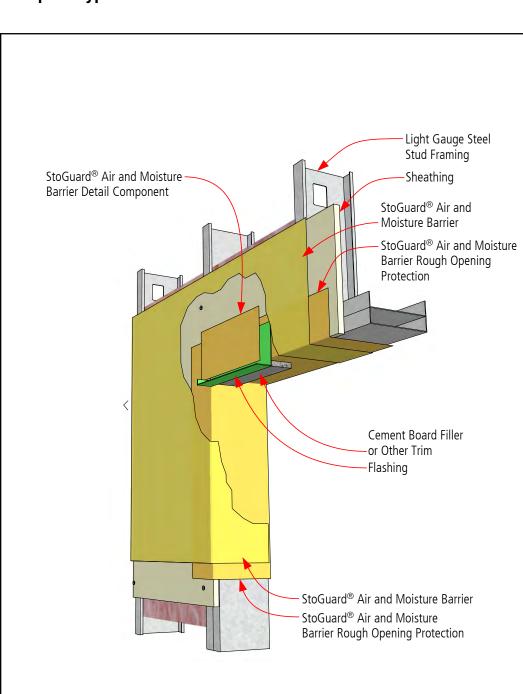
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## StoTherm® ci ProD Receptor-Type Window Head



#### Notes:

1. Consult with window and sealant manufacturers to verify window installation and detailing and to assure no water leakage into the wall assembly. Consult with window manufacturer regarding window and/or flashing assembly thermal breaks to avoid condensation. Test the final assembly using materials and trades associated with the project to verify performance. Correct any deficiencies associated with excess air leakage, water infiltration into the wall assembly, or structural inadequacies.

Detail No.: 54s.23B-1

Date: April 2016

- 2. Construct a site built mockup using materials and subtrades associated with the project to verify installation sequencing, detailing, and aesthetics.
- Refer to StoTherm ci ProD System Bulletins and Specifications, Sto Product Bulletins, Tech Hotlines, and Sto Installation and Maintenance Guides for complete information.
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Step 1 - Rough Opening Protection, Head Flashing





## StoTherm® ci ProD Receptor-Type Window Head

Light Gauge Steel Stud Framing Sto FPS ProD or Sto GPS ProD Sheathing Insulation Board, Pre-Wrappedaround Rough Opening StoGuard® Air and Moisture Barrier StoGuard® Air and Moisture Barrier Rough Opening Protection Spray Polyurethane Foam Insulation -Head Receptor Window Assembly Cement Board Filler or Other Trim Flashing Jamb Receptor Sto EPS ProD or Sto GPS Insulation Board, Pre-Wrapped Sto TurboStick Adhesive (Fill Gap Between EPS Boards at Corner with this Adhesive, Cut Flush with Surface and Rasp Smooth, Reinforce Top Corner with Sto Mesh or Sto Detail Mesh Embedded in Base Coat) Sto Adhesive StoGuard® Air and Moisture Barrier StoGuard® Air and Moisture Barrier Rough Opening Protection Step 2 - Receptor and Window

#### Notes:

1. Consult with window and sealant manufacturers to verify window installation and detailing and to assure no water leakage into the wall assembly. Consult with window manufacturer regarding window and/or flashing assembly thermal breaks to avoid condensation. Test the final assembly using materials and trades associated with the project to verify performance. Correct any deficiencies associated with excess air leakage, water infiltration into the wall assembly, or structural inadequacies.

Detail No.: 54s.23B-2

Date: April 2016

- 2. Construct a site built mockup using materials and subtrades associated with the project to verify installation sequencing, detailing, and aesthetics.
- Refer to StoTherm ci ProD System Bulletins and Specifications, Sto Product Bulletins, Tech Hotlines, and Sto Installation and Maintenance Guides for complete information.
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## StoTherm® ci ProD Receptor-Type Window Head

Detail No.: 54s.23B-3 Date: April 2016

#### Light Gauge Steel Stud Framing Sto EPS ProD or Sto GPS ProD-Sheathing Insulation Board, Pre-Wrapped around Rough Opening StoGuard® Air and Moisture Barrier Sto Finish-StoGuard® Air and Moisture Barrier Rough Opening Protection Spray Polyurethane Foam Insulation Jamb Air Seal, Backer Rod and Receptor Sealant (Air Seal Entire Perimeter) Head Receptor Sto Primer (Optional) Window Assembly Cement Board Filler or Other Trim (Finish Cement Bd. w/ StoCoat Acryl Plus) **Flashing** Backer Rod & Sealant Sto Mesh (Entire Perimeter, with Weeps at Head) Sto EPS or Sto GPS Insulation Board, Pre-Wrapped Sto TurboStick Adhesive (Fill Gap Between Sto Base Coat EPS Boards at Corner with this Adhesive, Cut (with Sto Mesh Flush with Surface and Rasp Smooth) Embedded) StoGuard® Air and Moisture Barrier Sto Adhesive StoGuard® Air and Moisture Barrier Rough Opening Protection Step 3 - Cladding and Perimeter Weather and Air Seals

#### Notes:

- 1. Consult with window and sealant manufacturers to verify window installation and detailing and to assure no water leakage into the wall assembly. Consult with window manufacturer regarding window and/or flashing assembly thermal breaks to avoid condensation. Test the final assembly using materials and trades associated with the project to verify performance. Correct any deficiencies associated with excess air leakage, water infiltration into the wall assembly, or structural inadequacies.
- 2. Construct a site built mockup using materials and subtrades associated with the project to verify installation sequencing, detailing, and aesthetics.
- Refer to StoTherm ci ProD System Bulletins and Specifications, Sto Product Bulletins, Tech Hotlines, and Sto Installation and Maintenance Guides for complete information.
- Refer to applicable CCMC Evaluation Reports for building code compliance information.

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#### **ATTENTION**

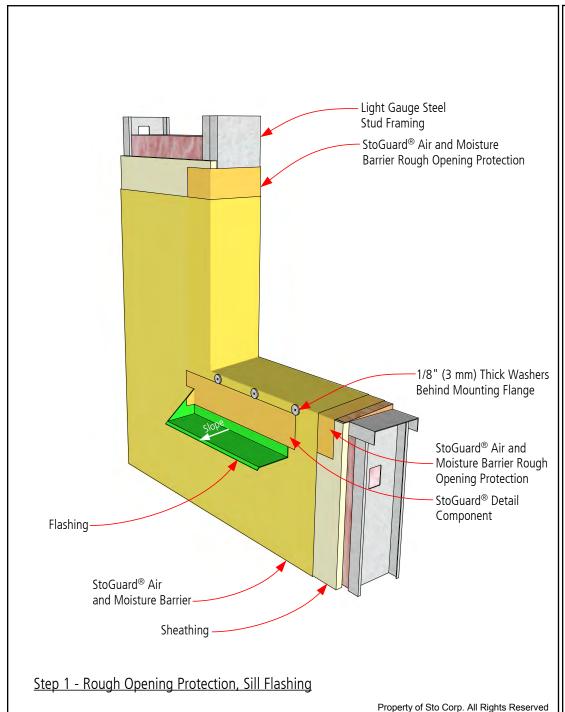
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## StoTherm® ci ProD Flanged Window-Sill



#### Notes:

1. Consult with window and sealant manufacturers to verify window installation and detailing and to assure no water leakage into the wall assembly. Consult with window manufacturer regarding window and/or flashing assembly thermal breaks to avoid condensation. Test the final assembly using materials and trades associated with the project to verify performance. Correct any deficiencies associated with excess air leakage, water infiltration into the wall assembly, or structural inadequacies.

Detail No.: 54s.24A-1

Date: April 2016

- 2. Construct a site built mockup using materials and subtrades associated with the project to verify installation sequencing, detailing, and aesthetics.
- Refer to StoTherm ci ProD System Bulletins and Specifications, Sto Product Bulletins, Tech Hotlines, and Sto Installation and Maintenance Guides for complete information.
- Refer to applicable CCMC Evaluation Reports for building code compliance information.

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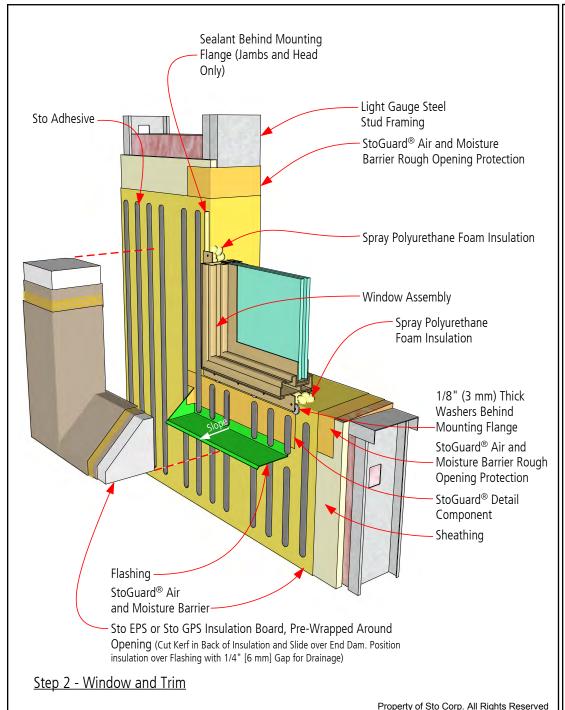
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## StoTherm® ci ProD Flanged Window-Sill



#### Notes:

1. Consult with window and sealant manufacturers to verify window installation and detailing and to assure no water leakage into the wall assembly. Consult with window manufacturer regarding window and/or flashing assembly thermal breaks to avoid condensation. Test the final assembly using materials and trades associated with the project to verify performance. Correct any deficiencies associated with excess air leakage, water infiltration into the wall assembly, or structural inadequacies.

Detail No.: 54s.24A-2

Date: April 2016

- 2. Construct a site built mockup using materials and subtrades associated with the project to verify installation sequencing, detailing, and aesthetics.
- Refer to StoTherm ci ProD System Bulletins and Specifications, Sto Product Bulletins, Tech Hotlines, and Sto Installation and Maintenance Guides for complete information.
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### StoTherm® ci ProD Flanged Window-Sill

Sealant Behind Mounting Flange (Jambs and Head Only) Light Gauge Steel Sto Adhesive Stud Framing StoGuard® Air and Moisture Sto Base Coat (with Sto Mesh Barrier Rough Opening Protection Embedded) Sto EPS ProD or Sto GPS ProD Sto Mesh Insulation Board, Pre-Wrapped **Around Opening** Spray Polyurethane Foam Insulation Air Seal, Backer Rod & Sealant (Air Seal Entire Perimeter) Window Assembly Sto Primer Spray Polyurethane (Optional) Foam Insulation Air Seal, Backer Rod & Sealant (Air Seal Entire Perimeter) Sto Finish 1/8" (3 mm) Thick Washers Behind Mounting Flange Backer Rod StoGuard® Air and & Sealant (Entire Moisture Barrier Rough Perimeter) **Opening Protection** StoGuard® Detail Component Fillet Bead of Sealant (not Flashing shown) Between Underside Backer Rod & Sealant of Flashing and Base Coat with Weeps Between Sto EPS ProD or Sto GPS Trim and Flashing Leg ProD Corner Board StoGuard® Air and Moisture Barrier Sheathing Step 3 - Cladding and Perimeter Weather and Air Seals

#### Notes:

1. Consult with window and sealant manufacturers to verify window installation and detailing and to assure no water leakage into the wall assembly. Consult with window manufacturer regarding window and/or flashing assembly thermal breaks to avoid condensation. Test the final assembly using materials and trades associated with the project to verify performance. Correct any deficiencies associated with excess air leakage, water infiltration into the wall assembly, or structural inadequacies.

Detail No.: 54s.24A-3

Date: April 2016

- 2. Construct a site built mockup using materials and subtrades associated with the project to verify installation sequencing, detailing, and aesthetics.
- Refer to StoTherm ci ProD System Bulletins and Specifications, Sto Product Bulletins, Tech Hotlines, and Sto Installation and Maintenance Guides for complete information.
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#### **ATTENTION**

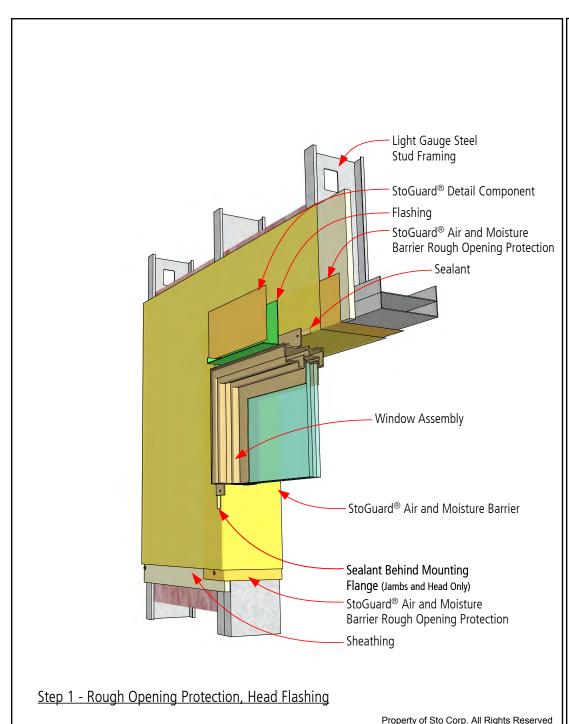
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## StoTherm® ci ProD Flanged Window-Head



#### Notes:

1. Consult with window and sealant manufacturers to verify window installation and detailing and to assure no water leakage into the wall assembly. Consult with window manufacturer regarding window and/or flashing assembly thermal breaks to avoid condensation. Test the final assembly using materials and trades associated with the project to verify performance. Correct any deficiencies associated with excess air leakage, water infiltration into the wall assembly, or structural inadequacies.

Detail No.: 54s.24B-1

Date: April 2016

- 2. Construct a site built mockup using materials and subtrades associated with the project to verify installation sequencing, detailing, and aesthetics.
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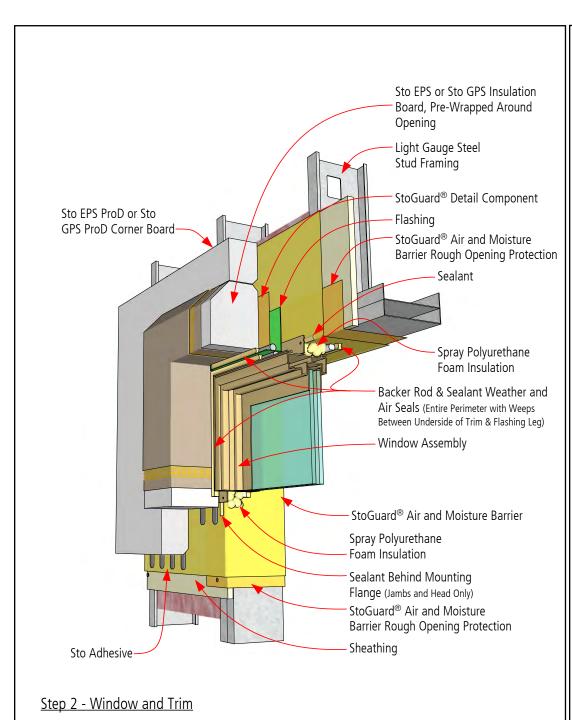
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## StoTherm® ci ProD Flanged Window-Head



#### Notes:

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Detail No.: 54s.24B-2

Date: April 2016

- 2. Construct a site built mockup using materials and subtrades associated with the project to verify installation sequencing, detailing, and aesthetics.
- Refer to StoTherm ci ProD System Bulletins and Specifications, Sto Product Bulletins, Tech Hotlines, and Sto Installation and Maintenance Guides for complete information.
- Refer to applicable CCMC Evaluation Reports for building code compliance information.

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## StoTherm® ci ProD Flanged Window-Head

Detail No.: 54s.24B-3 Date: April 2016

### Sto EPS or Sto GPS Insulation Board, Pre-Wrapped Around Opening Light Gauge Steel Stud Framing StoGuard® Detail Component Flashing Sto FPS ProD or Sto GPS StoGuard® Air and Moisture **ProD Insulation Board** Barrier Rough Opening Protection Sealant Spray Polyurethane Foam Insulation Backer Rod & Sealant Weather and Air Seals (Entire Perimeter with Weeps Between Underside of Trim & Flashing Leg) Sto Finish Window Assembly Sto Primer (Optional) StoGuard® Air and Moisture Barrier Spray Polyurethane Sto Mesh Foam Insulation Sealant Behind Mounting Sto Base Coat Flange (Jambs and Head Only) (with Sto Mesh StoGuard® Air and Moisture Embedded) Barrier Rough Opening Protection Sheathing Sto Adhesive Step 3 - Cladding and Perimeter Weather and Air Seals

#### Notes:

- 1. Consult with window and sealant manufacturers to verify window installation and detailing and to assure no water leakage into the wall assembly. Consult with window manufacturer regarding window and/or flashing assembly thermal breaks to avoid condensation. Test the final assembly using materials and trades associated with the project to verify performance. Correct any deficiencies associated with excess air leakage, water infiltration into the wall assembly, or structural inadequacies.
- 2. Construct a site built mockup using materials and subtrades associated with the project to verify installation sequencing, detailing, and aesthetics.
- Refer to StoTherm ci ProD System Bulletins and Specifications, Sto Product Bulletins, Tech Hotlines, and Sto Installation and Maintenance Guides for complete information.
- Refer to applicable CCMC Evaluation Reports for building code compliance information.

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#### **ATTENTION**

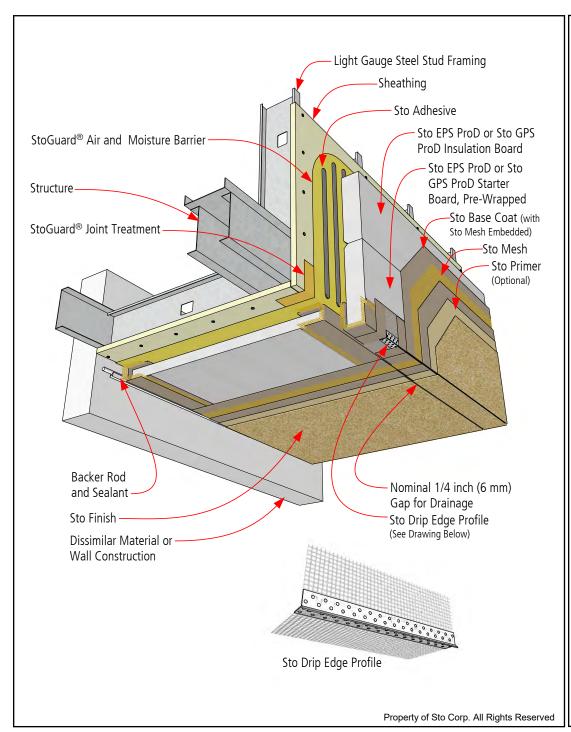
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## StoTherm® ci ProD Soffit: Insulated and Unvented



#### Notes:

1. Continue StoGuard air and moisture barrier onto dissimilar material or construction where required after verifying substrate material compatibility. Refer to Sto Detail 52s.53 for typical detailing of inside corner if substrate material or construction is dissimilar. Refer to Sto Detail 52s.54A if substrate material is similar at inside corner.

Detail No.: 54s.30

Date: April 2016

- 2. 4" (10 cm) thick insulation board typically required for proper lap of accessory with mesh "tail." For thinner sections of insulation board prewrap insulation board with Sto base coat and mesh.
- 3. Multi-story buildings where construction is required to be Noncombustible may require special examination of soffit conditions with foam plastic insulation. Verify with professional fire protection engineer and building code official.
- Refer to StoTherm ci ProD System Bulletins and Specifications, Sto Product Bulletins, Tech Hotlines, and Sto Installation and Maintenance Guides for complete information.
- Refer to applicable CCMC Evaluation Reports for building code compliance information.

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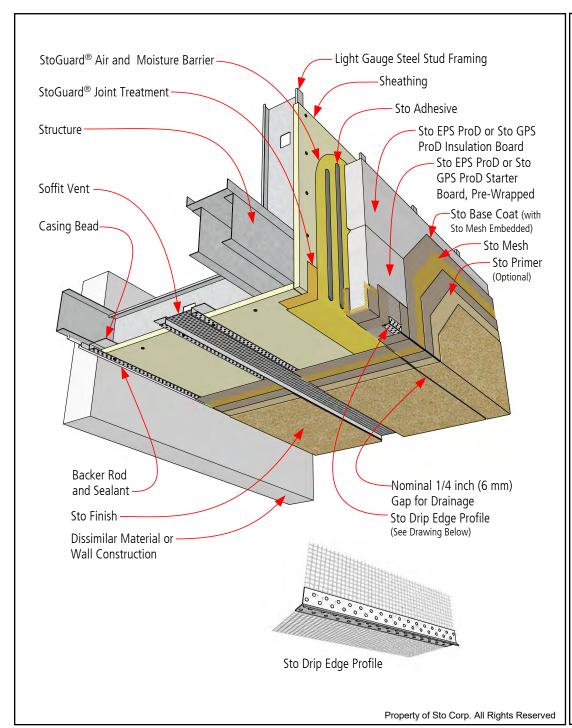




Detail No.: 54s.31

Date: April 2016

## StoTherm® ci ProD Soffit: Uninsulated and Vented



#### Notes:

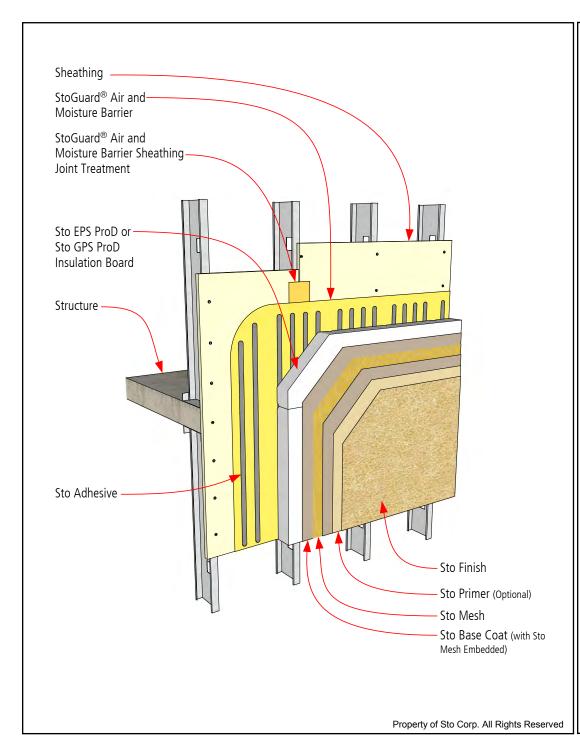
- 1. Prevent "communication" of vented air space with conditioned interior air to reduce the likelihood of condensation on materials in the vented space.
- 3. Typical soffit board is gypsum sheathing in compliance with ASTM C 1177. Refer to Sto Specification No. F601S and Sto Detail Series 14.xx.
- Refer to StoTherm ci ProD System Bulletins and Specifications, Sto Product Bulletins, Tech Hotlines, and Sto Installation and Maintenance Guides for complete information.
- Refer to applicable CCMC Evaluation Reports for building code compliance information.

**IMPORTANT:** Components not identified as Sto are furnished by other manufacturers and are not necessarily installed by trades who install Sto products. Refer to project specific contract documents.

#### **ATTENTION**



### StoTherm® ci ProD Floor Line Without Deflection



#### Notes:

1. This detail is typically limited to low-rise construction where no floor line deflection is anticipated. Refer to Sto Detail 54s.41A, B, or C for a floor line condition with deflection.

Detail No.: 54s.40

Date: April 2016

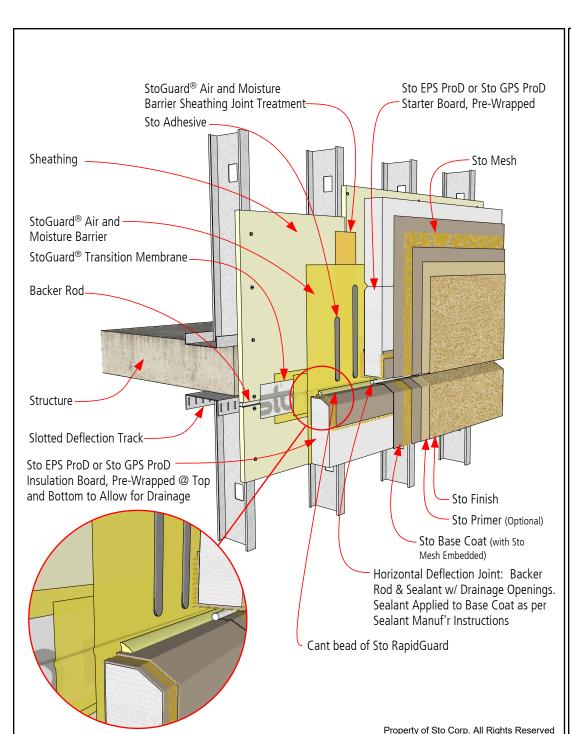
- 2. Sheathing attachment is typically at 8" (20.3 cm) on center or less vertically. Add C-channels or other attachment means along slab edge if necessary to conform with required fastener spacing.
- 3. Provide fire stopping at floor line as needed.
- Refer to StoTherm ci ProD System Bulletins and Specifications, Sto Product Bulletins, Tech Hotlines, and Sto Installation and Maintenance Guides for complete information.
- Refer to applicable CCMC Evaluation Reports for building code compliance information.

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#### **ATTENTION**



## **StoTherm® ci ProD Floor Line With Deflection - Drainage at Floor Line**



#### Notes:

1. Sheathing attachment is typically at 8" (20.3 cm) on center or less vertically. Add C-channels or other attachment means along slab edge if necessary to conform with required fastener spacing.

Detail No.: 54s.41A

Date: June 2018

- 2. Provide fire stopping at floor line as needed.
- Refer to StoTherm ci ProD System Bulletins and Specifications, Sto Product Bulletins, Tech Hotlines, and Sto Installation and Maintenance Guides for complete information.
- Refer to applicable CCMC Evaluation Reports for building code compliance information.

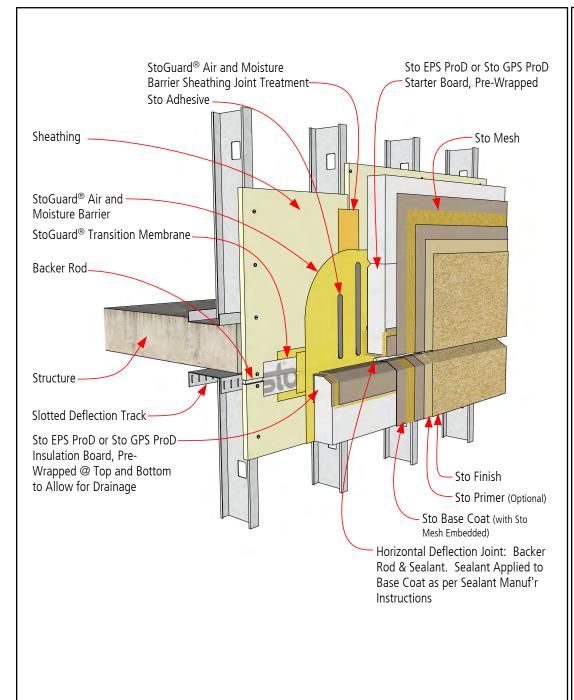
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## **StoTherm® ci ProD Floor Line With Deflection - No Drainage at Floor Line**



#### Notes:

1. Sheathing attachment is typically at 8" (20.3 cm) on center or less vertically. Add C-channels or other attachment means along slab edge if necessary to conform with required fastener spacing.

Detail No.: 54s.41B

Date: April 2016

- 2. Provide fire stopping at floor line as needed.
- 3. Provide drainage at floor lines as deemed by Design Professional, typically no more than every third floor line. Refer to Sto Detail 54s.41A.
- Refer to StoTherm ci ProD System Bulletins and Specifications, Sto Product Bulletins, Tech Hotlines, and Sto Installation and Maintenance Guides for complete information.
- Refer to applicable CCMC Evaluation Reports for building code compliance information.

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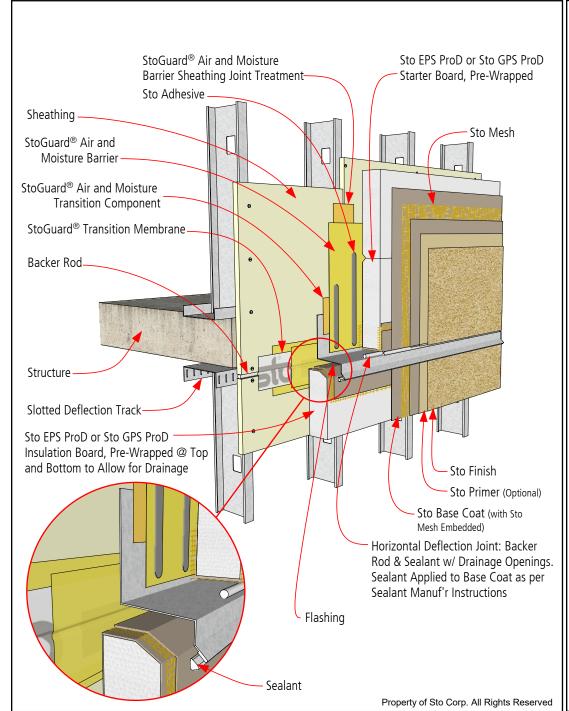
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## StoTherm® ci ProD Floor Line With Deflection - Flashing and Drainage at Floor Line



#### Notes:

1. Sheathing attachment is typically at 8" (20.3 cm) on center or less vertically. Add C-channels or other attachment means along slab edge if necessary to conform with required fastener spacing.

Detail No.: 54s.41C

Date: June 2018

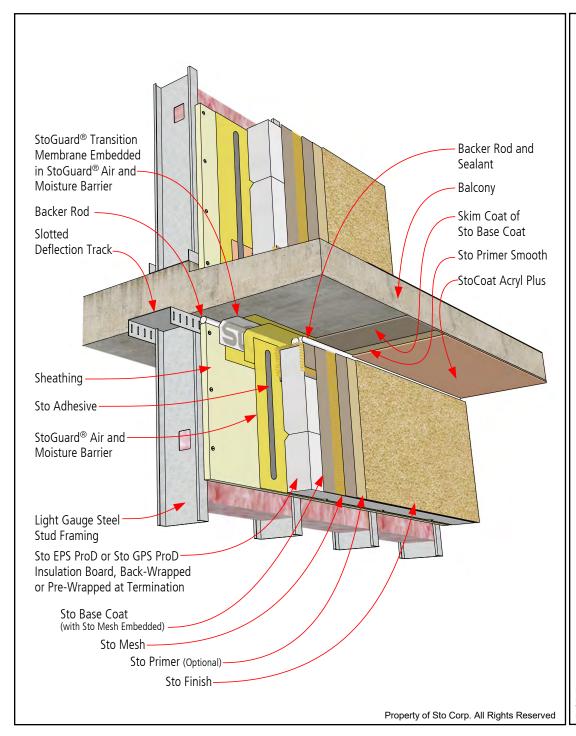
- 2. Provide fire stopping at floor line as needed.
- Refer to StoTherm ci ProD System Bulletins and Specifications, Sto Product Bulletins, Tech Hotlines, and Sto Installation and Maintenance Guides for complete information.
- Refer to applicable CCMC Evaluation Reports for building code compliance information.

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#### **ATTENTION**



## StoTherm® ci ProD Balcony Ceiling/Wall



#### Notes:

1. Detail applies to Balcony Protected by Balcony Ceiling Above.

Detail No.: 54s.42B

Date: April 2016

- 2. Underside of balcony may also be finished with Sto Finish or other Sto smooth or textured coatings.
- Refer to StoTherm ci ProD System Bulletins and Specifications, Sto Product Bulletins, Tech Hotlines, and Sto Installation and Maintenance Guides for complete information.
- Refer to applicable CCMC Evaluation Reports for building code compliance information.

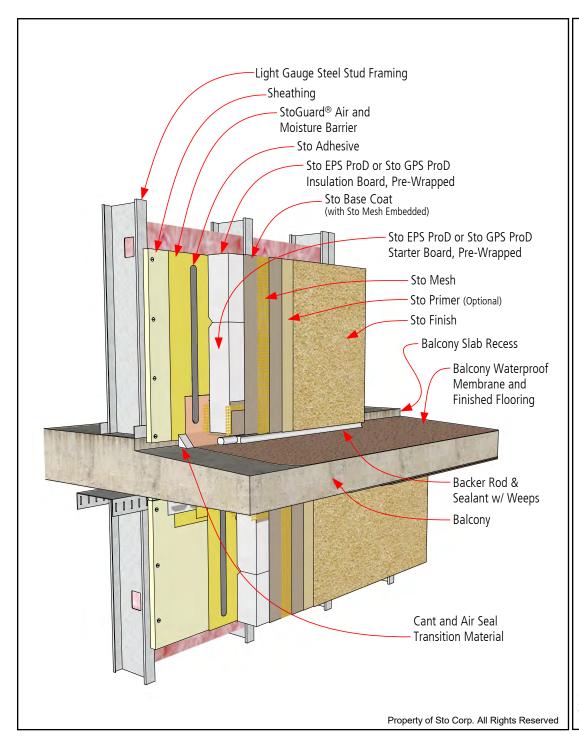
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## StoTherm® ci ProD Balcony Floor/Wall



#### Notes:

1. Detail applies to Balcony Protected by Balcony Ceiling Above.

Detail No.: 54s.42A

Date: April 2016

- 2. Slope balcony to direct water away from wall.
- 3. Consider the use of high or ultra-high reinforcing meshes on balcony walls to supplement standard reinforcing mesh for added abuse and impact resistance.
- 4. Verify compatibility of StoGuard Air and Moisture Barrier with balcony waterproof membrane material where they interface or lap one another.
- 5. Counter flash balcony membrane on wall if not fluid applied.
- Refer to StoTherm ci ProD System Bulletins and Specifications, Sto Product Bulletins, Tech Hotlines, and Sto Installation and Maintenance Guides for complete information.
- Refer to applicable CCMC Evaluation Reports for building code compliance information.

**IMPORTANT:** Components not identified as Sto are furnished by other manufacturers and are not necessarily installed by trades who install Sto products. Refer to project specific contract documents.

#### **ATTENTION**



## StoTherm® ci ProD Horizontal Termination at Dissimilar Cladding

### Light Gauge Steel Stud Framing Sto Adhesive StoGuard® Air and Sto EPS ProD or Sto Moisture Barrier GPS ProD Insulation Board, Back-Wrapped Sto Mesh Sto EPS ProD or Sto Sto Primer **GPS ProD Starter** (Optional) Board, Pre-Wrapped Sheathing-StoGuard® Air and Moisture Barrier **Detail Component** Sto Base Coat (with Sto Mesh Embedded) Backer Rod and Sealantwith Weep Holes StoGuard® Air and Moisture Barrier Wood Blocking Masonry Sill Flashing Brick Cavity Wall Sto Finish Sealant StoGuard® Transition Membrane Embedded in StoGuard® Air and Moisture Barrier Property of Sto Corp. All Rights Reserved

#### Notes:

- Refer to StoTherm ci ProD System Bulletins and Specifications, Sto Product Bulletins, Tech Hotlines, and Sto Installation and Maintenance Guides for complete information.

Detail No.: 54s.50

Date: April 2016

- Refer to applicable CCMC Evaluation Reports for building code compliance information.

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## StoTherm® ci ProD Vertical Termination at Dissimilar Cladding

Detail No.: 54s.51A Date: April 2016

## Light Gauge Steel Stud Sto Adhesive Framing Sto Base Coat (with Sheathing Sto Mesh Embedded) StoGuard® Air and Moisture Barrier Masonry Veneer or Other Dissimilar Material Sto Primer (Optional) Sto Mesh Sealant and Backer Rod Sto Finish Sto EPS ProD or Sto GPS ProD Insulation Board, Back-Wrapped or Pre-Wrapped at Termination

#### Notes:

- Refer to StoTherm ci ProD System Bulletins and Specifications, Sto Product Bulletins, Tech Hotlines, and Sto Installation and Maintenance Guides for complete information.
- Refer to applicable CCMC Evaluation Reports for building code compliance information.

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## **StoTherm® ci ProD Vertical Termination at Dissimilar Backup Wall Construction**

### Detail No.: 54s.51B Date: April 2016

## Light Gauge Steel StoGuard® Transition Membrane Stud Framing Embedded in StoGuard® Air and Moisture Barrier Sheathing CMU Backup StoGuard® Air and Moisture Barrier (Minimum Two Coats on CMU Wall Surface) Sto Adhesive Masonry Veneer or Other Dissimilar Material Sto Primer (Optional) Sto Mesh Sto Base Coat (with Sto Mesh Embedded) Sealant and Backer Rod Sto Finish Sto EPS ProD or Sto GPS ProD Insulation Board, Back-Wrapped or Pre-Wrapped at Termination Property of Sto Corp. All Rights Reserved

#### Notes:

- Refer to StoTherm ci ProD System Bulletins and Specifications, Sto Product Bulletins, Tech Hotlines, and Sto Installation and Maintenance Guides for complete information.
- Refer to applicable CCMC Evaluation Reports for building code compliance information.

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## StoTherm® ci ProD Vertical Expansion Joint in Back-Up Wall

## StoGuard® Transition Membrane Embedded in StoGuard® Air and Moisture Barrier Light Gauge Steel Stud Sto Adhesive Framing Sheathing StoGuard® Air and Moisture Barrier M Sto Primer (Optional) Sto Mesh-Sto Base Coat (with Sto Mesh Embedded) Sealant and Backer Rod Sto Finish-Sto EPS ProD or Sto GPS ProD Insulation Board, Back-Wrapped or Pre-Wrapped at Termination

#### Notes:

- Refer to StoTherm ci ProD System Bulletins and Specifications, Sto Product Bulletins, Tech Hotlines, and Sto Installation and Maintenance Guides for complete information.

Detail No.: 54s.52A

Date: April 2016

- Refer to applicable CCMC Evaluation Reports for building code compliance information.

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## StoTherm® ci ProD Vertical Expansion Joint in Back-Up Wall, StoTherm ci and Dissimilar Cladding

## Detail No.: 54s.52B Date: April 2016

## Light Gauge Steel StoGuard® Transition Membrane Stud Framing Embedded in StoGuard® Air and Sto EPS ProD or Sto Moisture Barrier GPS ProD Insulation Board, Back-Wrapped or Pre-Wrapped at StoGuard® Air and-Termination Moisture Barrier Sto Adhesive Sheathing Sto Primer (Optional) Sto Base Coat (with Sto Mesh Embedded) Sto Mesh Sto Finish Masonry Veneer or Other Dissimilar Material Sealant and Backer Rod Property of Sto Corp. All Rights Reserved

#### Notes:

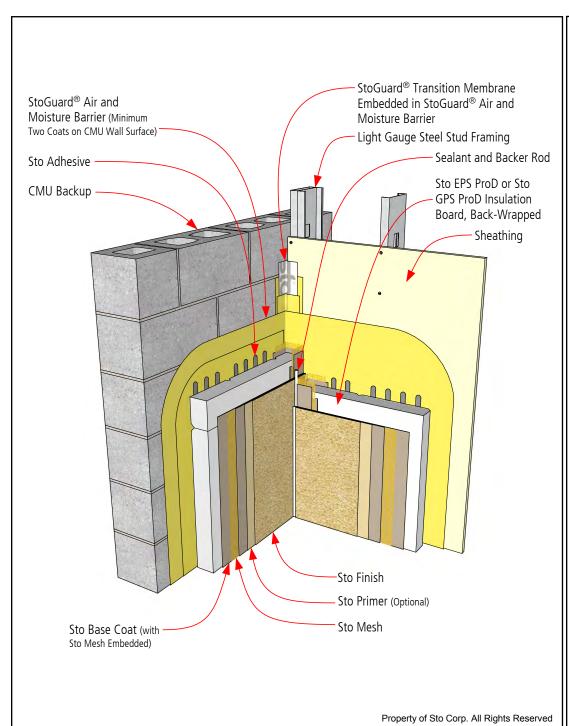
- Refer to StoTherm ci ProD System Bulletins and Specifications, Sto Product Bulletins, Tech Hotlines, and Sto Installation and Maintenance Guides for complete information.
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#### **ATTENTION**



## StoTherm® ci ProD Inside Corner with Dissimilar Backup Wall



#### Notes:

- Refer to StoTherm ci ProD System Bulletins and Specifications, Sto Product Bulletins, Tech Hotlines, and Sto Installation and Maintenance Guides for complete information.

Detail No.: 54s.53

Date: April 2016

- Refer to applicable CCMC Evaluation Reports for building code compliance information.

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# StoTherm® ci ProD Inside and Outside Corner with Common Substrate and StoMesh Corner Bead Reinforcement

### Detail No.: 54s.54A Date: April 2016

## StoGuard® Joint Treatment Sto Adhesive Light Gauge Steel Stud Framing Sheathing-Sto EPS ProD or Sto GPS **ProD** Insulation Board StoGuard® Air and Moisture Barrier Sto-Mesh Corner **Bead Standard** (Embedded in Sto Base Coat) Sto Base Coat (with Sto Mesh Embedded) Sto Primer (Optional) Sto Finish -Return Sto Mesh 6 in. min. @ Inside Corner Sto Mesh, (Overlap StoMesh Corner Bead 4 in. ea. Side, min.) Sto TurboStick™ Adhesive at **Chamfered Corners** of Insulation Board

#### Notes:

- 1. Provide joint at interior corner if movement is anticipated. Refer to Sto Detail 54s.53.
- Refer to StoTherm ci ProD System Bulletins and Specifications, Sto Product Bulletins, Tech Hotlines, and Sto Installation and Maintenance Guides for complete information.
- Refer to applicable CCMC Evaluation Reports for building code compliance information.

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# StoTherm® ci ProD Inside and Outside Corner with Common Substrate and Sto Mesh Reinforcement

### Detail No.: 54s.54B Date: April 2016

## StoGuard® Joint Treatment Sto Adhesive Light Gauge Steel Stud Framing Sheathing-Sto EPS ProD or Sto GPS **ProD Insulation Board** StoGuard® Air and Moisture Barrier Sto Base Coat (with Sto Mesh Embedded) Sto Primer (Optional) Sto Finish -Return Sto Mesh 6 in. min. @ Inside Corner Sto Mesh Sto TurboStick™ Return Sto Mesh 6 in. Adhesive at min. Around Corner **Chamfered Corners** of Insulation Board

#### Notes:

- 1. Provide joint at interior corner if movement is anticipated. Refer to Sto Detail 54s.53.
- Refer to StoTherm ci ProD System Bulletins and Specifications, Sto Product Bulletins, Tech Hotlines, and Sto Installation and Maintenance Guides for complete information.
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## **StoTherm® ci ProD Termination at Parapet - Front**

Metal Coping Backer Rod StoGuard® Transition Membrane & Sealant Embedded in StoGuard® Air and Moisture Barrier (or Compatible Roofing Membrane) Wood Blocking StoGuard® Detail Component **Roof Structure** Sto Finish Sto Primer (Optional) Sto Mesh Sto Base Coat (with Sto Mesh Embedded) Sto EPS ProD or Sto GPS ProD Insulation Board, Back-Wrapped Sheathing Sto Adhesive Light Gauge Steel Stud Framing StoGuard® Air and Moisture Barrier

#### Notes:

- Refer to StoTherm ci ProD System Bulletins and Specifications, Sto Product Bulletins, Tech Hotlines, and Sto Installation and Maintenance Guides for complete information.

Detail No.: 54s.60A

Date: April 2016

- Refer to applicable CCMC Evaluation Reports for building code compliance information.

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## StoTherm® ci ProD Termination at Parapet - Back

StoGuard® Transition Membrane-Sto Mesh Embedded in StoGuard® Air and Termination Bar for Roof Membrane Moisture Barrier (or Compatible Backer Rod and Sealant Roofing Membrane) Metal Coping Wood Blocking StoGuard® Detail-Component Sto Finish Sto Primer (Optional) Sto Sto Base Coat (with Adhesive Sto Mesh Embedded) StoGuard® Sto EPS ProD or Sto GPS Air and ProD Insulation Board, Moisture Pre-Wrapped Barrier Sheathing-Light Ga. Steel Stud Framing Roof Membrane Cover Board Roof Insulation **Roof Structure** StoGuard® Air and Moisture Barrier Detail Component Sto EPS ProD or Sto GPS ProD Z-Flashing -Insulation Board, Pre-Wrapped StoGuard® Detail Termination Bar for Roof Membrane Component **Sheathing** Roof Membrane Wood Blocking StoGuard® Air and Backer Rod and Sealant with Moisture Barrier Weep Holes Insulation-Property of Sto Corp. All Rights Reserved

#### Notes:

- Refer to StoTherm ci ProD System Bulletins and Specifications, Sto Product Bulletins, Tech Hotlines, and Sto Installation and Maintenance Guides for complete information.

Detail No.: 54s.60B

Date: April 2016

- Refer to applicable CCMC Evaluation Reports for building code compliance information.

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# StoTherm® ci ProD Parapet with Cornice Feature

Wood Construction as Required StoGuard® Air and Moisture Barrier StoGuard® Transition Membrane Sheathing Joint Embedded in StoGuard® Air and Treatment Extends Moisture Barrier (or Compatible 2 in. (51 mm) min. Roofing Membrane) at Vertical and Metal Coping-Horizontal Surfaces 1/2 in. (13 mm) min. Gap Between Top Surface of Backer Rod Cornice Feature and and Sealant Underside of Wood Pre-Wrapped Construction Cornice Sto EPS ProD or Sto Primer (Optional) Sto GPS ProD Insulation Board, Sto Base Coat (with Back-Wrapped or Sto Mesh Embedded) Pre-Wrapped at Sto Finish -Termination Sto Mesh StoGuard® Air and Moisture Barrier Sheathing Light Gauge Steel Stud Framing Cornice Feature Pre-Wrapped with Sto Base Coat (with Sto Mesh Embedded) Sto EPS ProD or Sto-GPS ProD Insulation Cornice Feature Sto Mesh Embedded in Base Coat Laps Sto Mesh on Cornice 2 1/2 in. (64 mm) min. View of Pre-Wrapped Cornice View of Mesh Overlap Property of Sto Corp. All Rights Reserved

#### Notes:

1. Cornice feature limited to 12" (30.5 cm) maximum thickness for noncombustible type construction. Special analysis with regard to fire propagation may enable thicker sections. Thicker sections permitted within practical limits for combustible construction.

Detail No.: 54s.61

Date: April 2016

- 2. Cornice feature attached with Sto TurboStick Adhesive; also used as filler and rasped smooth at any gaps between feature band and base layer of insulation board.
- 3. Cornice feature may also be attached directly to StoGuard where applicable.
- 4. Supplemental mechanical attachment of feature band maybe necessary in some cases. Verify installation method for adequate attachment before commencing work.
- Refer to StoTherm ci ProD System Bulletins and Specifications, Sto Product Bulletins, Tech Hotlines, and Sto Installation and Maintenance Guides for complete information.
- Refer to applicable CCMC Evaluation Reports for building code compliance information.

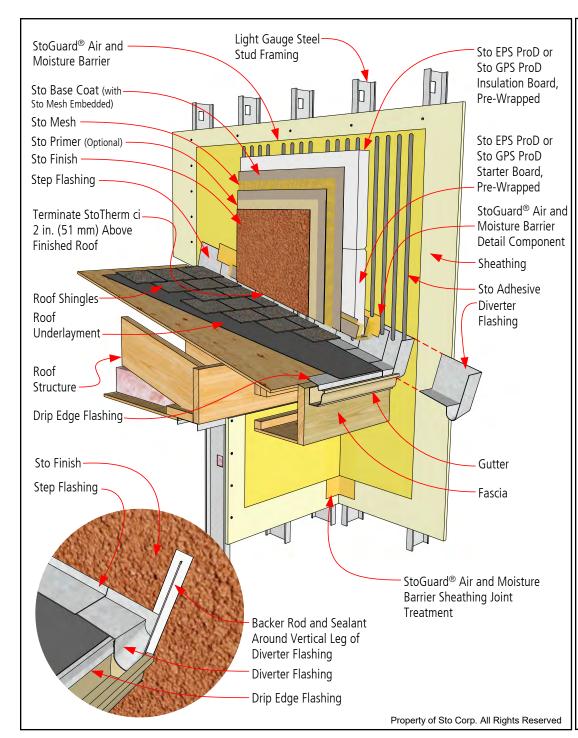
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# StoTherm® ci ProD Diverter Flashing at Roof/Wall Abutment



#### Notes:

1. Maintain minimum 2" (51 mm) gap between roof shingles and StoTherm ci termination. Increase gap for low slope roofs to prevent snow and ice accumulations.

Detail No.: 54s.62

Date: April 2016

- Refer to StoTherm ci ProD System Bulletins and Specifications, Sto Product Bulletins, Tech Hotlines, and Sto Installation and Maintenance Guides for complete information.
- Refer to applicable CCMC Evaluation Reports for building code compliance information.

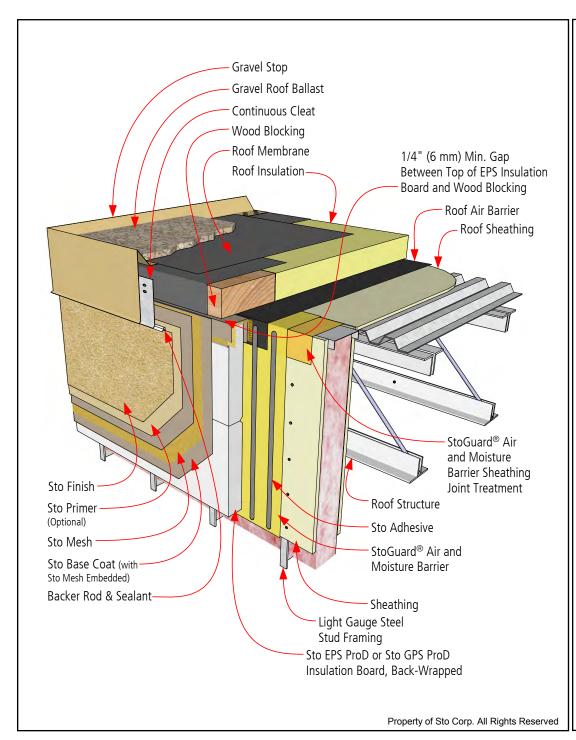
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## StoTherm® ci ProD Gravel Stop



#### Notes:

- Refer to StoTherm ci ProD System Bulletins and Specifications, Sto Product Bulletins, Tech Hotlines, and Sto Installation and Maintenance Guides for complete information.

Detail No.: 54s.63

Date: April 2016

- Refer to applicable CCMC Evaluation Reports for building code compliance information.

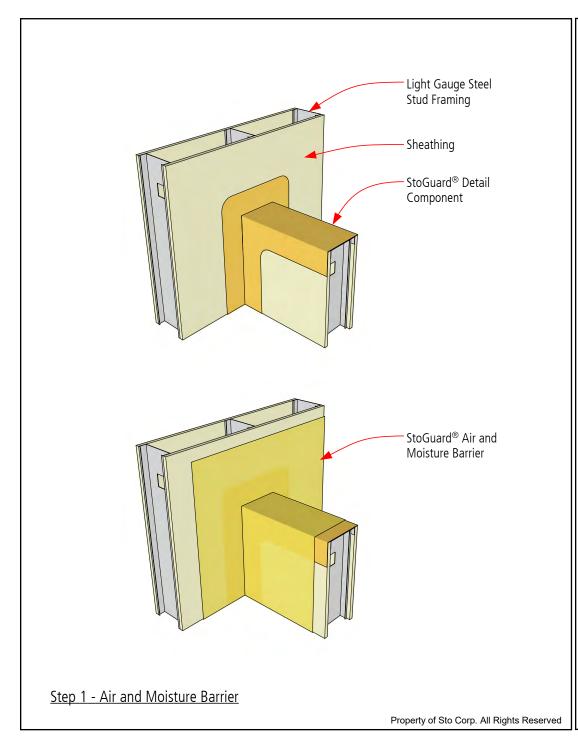
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# StoTherm® ci ProD Saddle Flashing at Lower/Higher Wall Abutment



#### Notes:

1. Provide minimum 2" (51 mm) gap between parapet cap flashing and StoTherm ci termination.

Detail No.: 54s.64-1

Date: April 2016

- Refer to StoTherm ci ProD System Bulletins and Specifications, Sto Product Bulletins, Tech Hotlines, and Sto Installation and Maintenance Guides for complete information.
- Refer to applicable CCMC Evaluation Reports for building code compliance information.

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# StoTherm® ci ProD Saddle Flashing at Lower/Higher Wall Abutment

# Saddle Flashing Components StoGuard® Air and Moisture Barrier Assembled Saddle Flashing StoGuard® Air and Moisture Barrier Step 2 - Saddle Flashing Property of Sto Corp. All Rights Reserved

#### Notes:

1. Provide minimum 2" (51 mm) gap between parapet cap flashing and StoTherm ci termination.

Detail No.: 54s.64-2

Date: April 2016

- Refer to StoTherm ci ProD System Bulletins and Specifications, Sto Product Bulletins, Tech Hotlines, and Sto Installation and Maintenance Guides for complete information.
- Refer to applicable CCMC Evaluation Reports for building code compliance information.

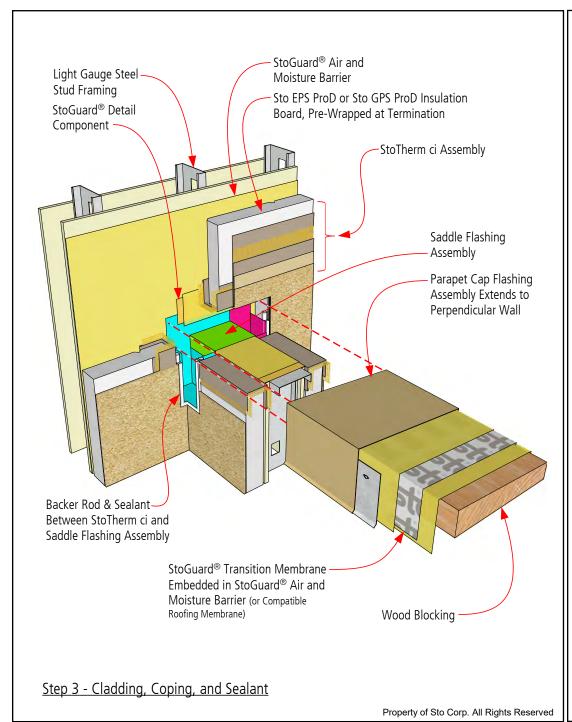
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# StoTherm® ci ProD Saddle Flashing at Lower/Higher Wall Abutment



#### Notes:

1. Provide minimum 2" (51 mm) gap between parapet cap flashing and StoTherm ci termination.

Detail No.: 54s.64-3

Date: April 2016

- Refer to StoTherm ci ProD System Bulletins and Specifications, Sto Product Bulletins, Tech Hotlines, and Sto Installation and Maintenance Guides for complete information.
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## StoTherm® ci ProD Scupper Penetration

Sheathing-Light Gauge Steel Stud Framing Sto Adhesive StoGuard® Air and Moisture Barrier Sto Base Coat (with Sto Mesh Embedded) Sto Mesh StoGuard® Air and Sto Primer Moisture Barrier Detail (Optional) Component Wood Blocking Roof Membrane Roof Insulation Sto Finish **Roof Structure** Scupper Assembly Sto EPS ProD or Sto GPS ProD Backer Rod & Sealant Insulation Board, Back-Wrapped Around Scupper Penetration

#### Notes:

- Refer to StoTherm ci ProD System Bulletins and Specifications, Sto Product Bulletins, Tech Hotlines, and Sto Installation and Maintenance Guides for complete information.

Detail No.: 54s.65

Date: April 2016

- Refer to applicable CCMC Evaluation Reports for building code compliance information.

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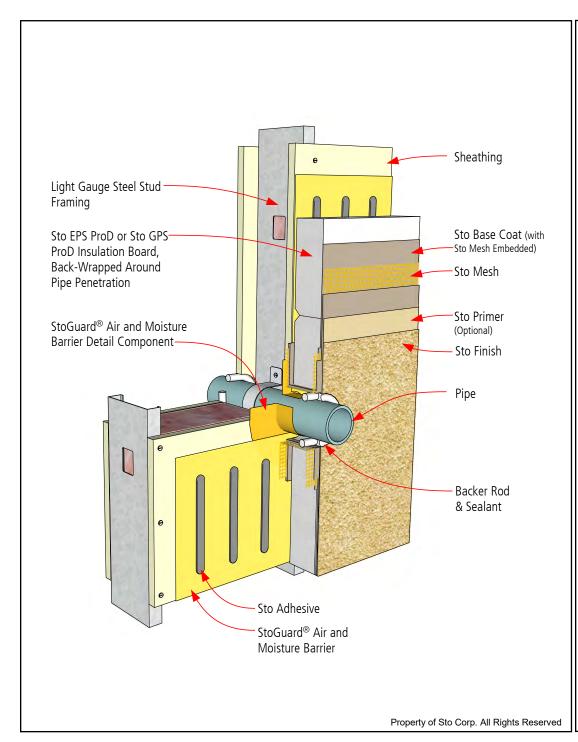
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# StoTherm® ci ProD Pipe Penetration - Precision Cut Sheathing



#### Notes:

1. Refer to Sto Detail 54s.70B where sheathing is "rough cut" around pipe or where gap around pipe exceeds allowable gap dimension for StoGuard Air and Moisture Barrier Detail Component.

Detail No.: 54s.70A

Date: April 2016

- Refer to StoTherm ci ProD System Bulletins and Specifications, Sto Product Bulletins, Tech Hotlines, and Sto Installation and Maintenance Guides for complete information.
- Refer to applicable CCMC Evaluation Reports for building code compliance information.

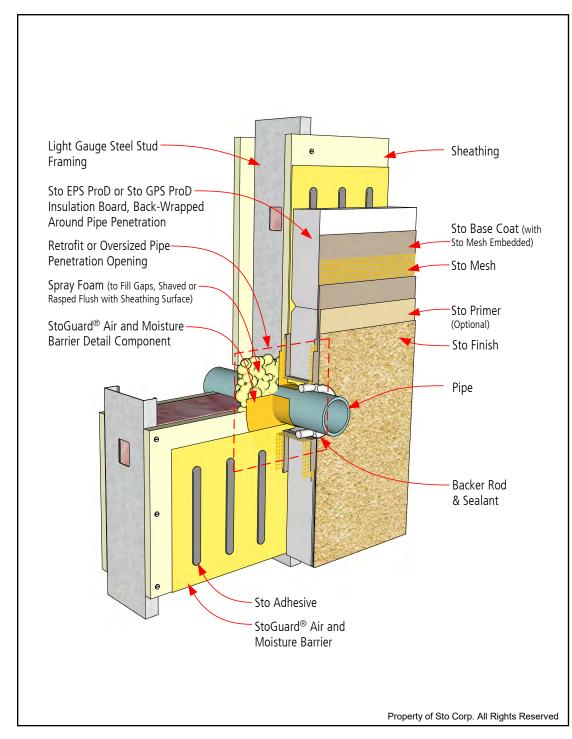
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# StoTherm® ci ProD Pipe Penetration - Rough Cut Sheathing



#### Notes:

1. Appropriate spray foam is used to fill gaps in sheathing. Where sheathing fits snug around pipe refer to Sto Detail 54s.70A.

Detail No.: 54s.70B

Date: April 2016

- Refer to StoTherm ci ProD System Bulletins and Specifications, Sto Product Bulletins, Tech Hotlines, and Sto Installation and Maintenance Guides for complete information.
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# StoTherm® ci ProD Sign Attachment

Sto Adhesive StoGuard® Air and Light Gauge Steel Moisture Barrier Stud Framing Sto EPS ProD or Sto Sheathing-**GPS ProD Insulation** Board Sto Base Coat (with Sto Mesh Embedded) Sto Mesh Sto Primer (Optional) Sto Finish Washer Behind Sign Set in Sealant Wood Blocking Hole Drilled in EIFS and Lined with Sealant Neutral Cure Sealant Bolt w/ Washers PVC or Stainless Steel Sleeve at Each End (Sleeve Extends From Finish Through Blocking, Shown Partial Length for Clarity) Property of Sto Corp. All Rights Reserved

#### Notes:

1. Blocking not required where solid substrate or wood-based sheathing is capable of supporting the sign (or other attached object). Use appropriate fasteners for attachment.

Detail No.: 54s.71

Date: April 2016

- Refer to StoTherm ci ProD System Bulletins and Specifications, Sto Product Bulletins, Tech Hotlines, and Sto Installation and Maintenance Guides for complete information.
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### StoTherm® ci ProD Fixture Attachment

Sto EPS ProD or Sto GPS ProD Insulation Board, Back-Wrapped Around Electric Box Penetration Light Gauge Steel Stud Framing StoGuard® Air and Moisture Barrier Sheathing -Sto Adhesive Sto Base Coat (with Sto Mesh Embedded) Sto Mesh Sto Primer (Optional) Sto Finish Electric Box for **Blocking** Fixture Attachment Backer Rod & Sealant StoGuard® Air and Moisture Barrier Detail Component on Blocking; Extend onto Sheathing 2" min. Property of Sto Corp. All Rights Reserved

#### Notes:

1. Attach fixture to blocking or solid substrate. Where attached to blocking seal the blocking with Sto Detail Component.

Detail No.: 54s.73 Date: April 2016

- Refer to StoTherm ci ProD System Bulletins and Specifications, Sto Product Bulletins, Tech Hotlines, and Sto Installation and Maintenance Guides for complete information.
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