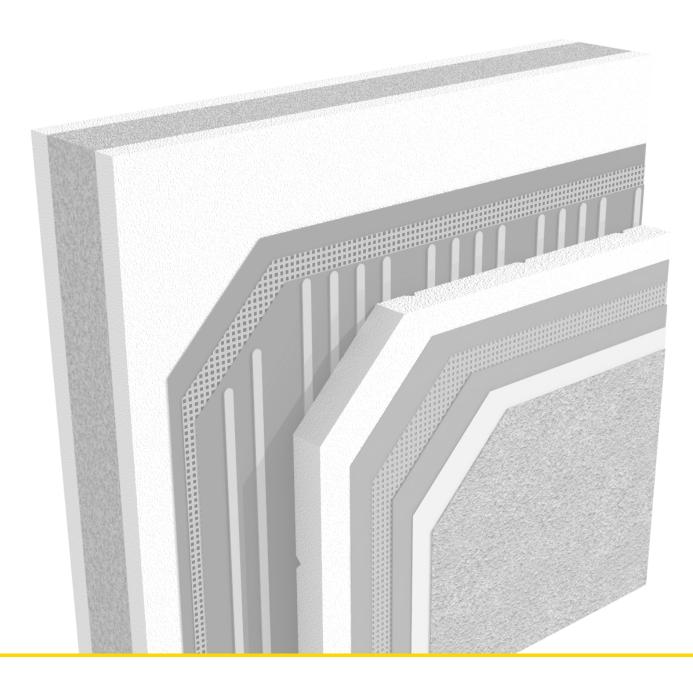
Detail Booklet



StoTherm® ci with ICF Back-up Wall Series 54i.xx December 2016



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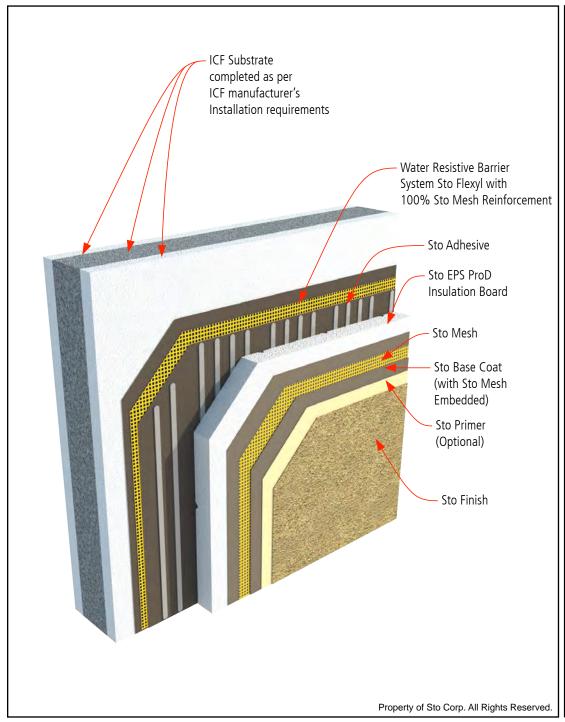
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StoTherm[®] ci with ICF Back-up Wall System Components



Notes:

1. StoTherm ci System Components:

Detail No.: 54i.00 Date: December 2016

- StoGuard Air and Moisture Barrier
- Sto Adhesive
- Sto EPS ProD Insulation Board
- Sto Mesh
- Sto Primer (optional)
- Sto Base Coat
- Sto Finish
- Refer to StoTherm ci 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.

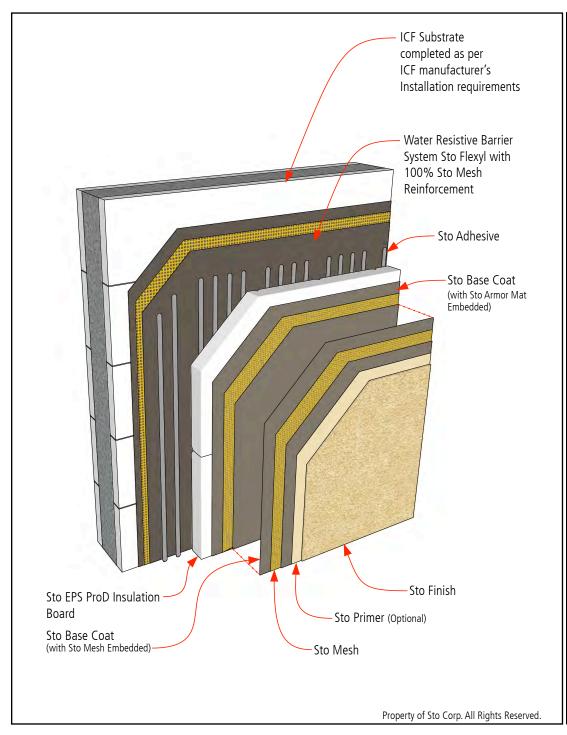
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StoTherm[®] ci with ICF Back-up Wall System Components: Ultra-High Impact Resistance



Notes:

1.StoTherm ci ProD System Components:

Detail No.: 54i.01 Date: December 2016

- StoGuard air and Moisture Barrier
- Sto Adhesive
- Sto EPS ProD 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 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.

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StoTherm[®] ci with ICF Back-up Wall Termination at Grade w/Flashing

ICF Substrate completed as per ICF manufacturer's Installation Sto Base Coat Requirements (with Sto Mesh Embedded) Sto Mesh Water Resistive Barrier Sto FPS ProD System Sto Flexyl Sto Primer Insulation Board with 100% Sto Mesh (Optional) Reinforcement Sto Finish Sto Adhesive Sto Fleyxl with Sto Detail Mesh **Embedded** Flashing, Sloped Sto EPS ProD Starter Board, Terminate Pre-Wrapped Assembly 6" (152 mm) Above Grade, min. Backer Rod & Sealant w/ Weep Holes

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.: 54i.03 Date: December 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 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.

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StoTherm[®] ci with ICF Back-up Wall Aesthetic Feature Band

Sto Adhesive Sto Primer Water Resistive Barrier System Sto Flexyl with 100% Sto Mesh Reinforcement Sto Finish **ICF** Substrate completed as per ICF manufacturer's Installation requirements Sto EPS ProD Insulation Board Thin Build-Out, Sto Mesh ≤2 in. (51 mm) Sto Base Coat Thin Build-Out (with Sto Mesh Embedded) Sto Adhesive Water Resistive Barrier Sto Primer (Required System Sto Flexyl over Sto Flexyl and Sto Base Coat Above and with 100% Sto Mesh Below) Reinforcement Sto Finish **ICF** Substrate completed as per ICF manufacturer's Installation requirements Sto EPS ProD Insulation Board Sto Mesh Thin Build-Out, 2-4 Sto Base Coat in. (51-102 mm) (with Sto Mesh Embedded) Thick Build-Out Sto Flexyl (with Sto Mesh or Sto Detail Mesh Embedded);

Detail No.: 54i.04 Date: December 2016

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.
- 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 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.

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Return Vertically 4" (102 mm) min.

Above and Below Feature Band

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StoTherm[®] ci with ICF Back-up Wall Aesthetic Reveal

Sto Base Coat Sto Primer (Optional) Sto Adhesive (with Sto Mesh Embedded) Sto Mesh Sto EPS ProD Insulation Board Water Resistive Barrier System Sto Flexyl with 100% Sto Mesh Reinforcement 1-1/4" (30mm) min -2 1/2" (64 mm) min. Ovelap of Sto Detail Sto Finish Mesh w/ Sto Mesh Sto Base Coat @ Top and Bottom of Reveal -(with Sto Detail Mesh Embedded) Sto Detail Mesh Option 1 with Sto Detail Mesh Sto Base Coat - Sto Primer (Optional) Sto Adhesive (with Sto Mesh Embedded) Sto Mesh Sto EPS ProD Insulation Board Water Resistive Barrier System Sto Flexyl with 100% Sto Mesh Reinforcement 1-1/4" (30mm) min -**ICF** Substrate completed as per ICF manufacturer's Sto Finish Installation requirements Sto Base Coat Option 2 with (with Sto Detail Mesh Embedded) Continuous Sto Mesh

Notes:

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

Detail No.: 54i.05 Date: December 2016

- 2. Maintain minimum 1-1/4" (30mm) min thickness of insulation board at base of reveal.
- Refer to StoTherm ci 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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ation on proper application, clean-up, mixing and other specifications and warranties, cautions and disclaimers, please refer to the Sto Corp. website, www.stocorp.cc



StoTherm[®] ci with ICF Back-up Wall Receptor-Type Window Sill

ICF Substrate completed as per ICF manufacturer's Installation requirements Water Resistive Barrier System Sto Flexyl with 100% Sto Mesh Reinforcement StoGuard[®] Air and Moisture Barrier about 19mm StoGuard[®] Air and Moisture Barrier Rough Opening Protection Blocking Water Resistive Barrier System Sto Flexyl with 100% Sto Mesh Reinforcement-

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.: 54i.23A-1 Date: December 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 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

Step 1 - Rough Opening Protection

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StoTherm[®] ci with ICF Back-up Wall Receptor-Type Window Sill

ICF Substrate completed as per ICF manufacturer's Installation requirements Water Resistive Barrier System Sto Flexyl with 100% Sto Mesh Reinforcement Sto EPS Sto Adhesive Insulation Board, Pre-Wrapped Sto TurboStick Adhesive (Fill Gap Between EPS Boards at Corner with this Adhesive, Cut Flush with Surface and Rasp Smooth) End Dam Set in Sealant Sill Receptor w/ Weep Holes (Sill Flashing Extender Angle (As Needed for Attachment of Sill Receptor and Support) StoGuard[®] Air and Moisture Barrier Rough **Opening Protection** Weep Holes Blocking Sto EPS ProD Insulation Board. Pre-Wrapped around Rough Opening Water Resistive Barrier System Sto Flexyl 100% Sto Mesh Reinforcement-

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.: 54i.23A-2 Date: December 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 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

Step 2 - Receptor with End Dam

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improperly designed or constructed larger assembly or building may result in serious damage to Sto products, and to the structure of the building or its components.



StoTherm[®] ci with ICF Back-up Wall Receptor-Type Window Sill

Detail No.: 54i.23A-3 Date: December 2016

ICF Substrate completed as per ICF manufacturer's Installation requirements Water Resistive Barrier System Sto Flexyl with 100% Sto Mesh Sto Adhesive Reinforcement Sto Base Coat (with Sto Mesh Sto EPS Embedded) Insulation Board. Pre-Wrapped Sto Mesh Spray Polyurethane Foam Insulation Air Seal, Backer Rod & Sto Finish Sealant (Air Seal Entire Perimeter) Jamb Receptor Window Assembly Angle (As Needed for Attachment of Sill Receptor and Support) StoGuard[®] Air and Moisture Barrier Rough Backer Rod & Sealant Opening Protection (Entire Perimeter) Blocking Sill Receptor w/ Weep Holes Sill Extender w/Continuous Bead of Sealant @ Bottom Water Resistive Barrier System Sto Flexyl with 100% Sto Mesh Reinforcement-

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 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.

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and Air Seals

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



StoTherm[®] ci with ICF Back-up Wall Receptor-Type Window Head

Detail No.: 54i.23B-1 Date: December 2016

ICF Substrate completed as per ICF manufacturer's Installation requirements Water Resistive Barrier System Sto Flexyl with 100% Sto Mesh Sto Fleyxl with Sto Detail Reinforcement Mesh Embedded Cement Board Filler or Other Trim Flashing Water Resistive Barrier System Sto Flexyl with 100% Sto Mesh Reinforcement Step 1 - Rough Opening Protection, Head Flashing Property of Sto Corp. All Rights Reserved.

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 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 with ICF Back-up Wall Receptor-Type Window Head

ICF Substrate completed as per ICF manufacturer's Installation requirements Water Resistive Barrier System Sto Flexyl with Sto EPS ProD Insulation Board. 100% Sto Mesh Pre-Wrapped around Rough Reinforcement Opening Spray Polyurethane Foam Insulation **Head Receptor** Window Assembly Cement Board Filler or Other Trim Flashing Jamb Receptor Sto EPS ProD 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 Water Resistive Barrier System Sto Flexyl with 100% Sto Mesh Reinforcment

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.: 54i.23B-2 Date: December 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 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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Step 2 - Receptor and Window

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StoTherm[®] ci with ICF Back-up Wall Receptor-Type Window Head

Detail No.: 54i.23B-3 Date: December 2016

ICF Substrate completed as per ICF manufacturer's Installation requirements Water Resistive Barrier System Sto Flexyl with Sto EPS ProD Insulation Board, 100% Sto Mesh Pre-Wrapped around Rough Reinforcement Opening Sto Finish Spray Polyurethane Foam Insulation Jamb Air Seal, Backer Rod and Sealant Receptor (Air Seal Entire Perimeter) Sto Primer **Head Receptor** (Optional) Window Assembly Cement Board Filler or Other Trim (Finish Cement Bd. w/ StoCoat Acryl Plus) Flashing Backer Rod & Sealant (Entire Perimeter, Sto with Weeps at Head) Mesh Sto EPS Insulation Board, Pre-Wrapped Sto TurboStick Adhesive (Fill Gap Between Sto Base Coat EPS Boards at Corner with this Adhesive, (with Sto Mesh Cut Flush with Surface and Rasp Smooth) Embedded) Sto Adhesive Water Resistive Barrier System Sto Flexyl with 100% Sto Mesh Reinforcement Step 3 - Cladding and Perimeter Weather and Air Seals Property of Sto Corp. All Rights Reserved.

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 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.

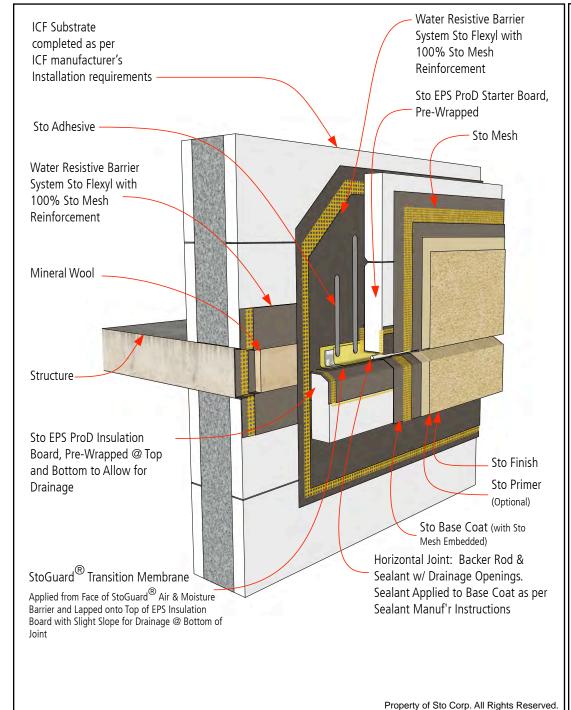
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StoTherm[®] ci with ICF Back-up Wall Floor-line Joint to Accommodate Drainage

Detail No.: 54i.41A Date: December 2016



Notes:

Remove IFC's exterior side EPS after concrete has hardened and coat with Sto Flexyl and mesh as shown. Replace EPS with equivalent thickness 128kg/m3 (8 lb/ ft3) density mineral wool and complete as shown. Joint should occur every three floors

- Refer to StoTherm ci 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 with ICF Back-up Wall Balcony Floor/Wall

ICF Substrate completed as per ICF manufacturer's Installation requirements Water Resistive Barrier System Sto Flexyl with 100% Sto Mesh Reinforcment Sto Adhesive Sto EPS ProD Insulation Board, Pre-Wrapped Sto Base Coat (with Sto Mesh Embedded) Sto EPS ProD Starter Board, Pre-Wrapped Sto Mesh Sto Primer (Optional) Sto Finish **Balcony Slab Recess Balcony Waterproof** Membrane and Finished Flooring Backer Rod & Sealant w/ Weeps Balcony Cant and Air Seal Transition Material Property of Sto Corp. All Rights Reserved.

Notes:

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

Detail No.: 54i.42A Date: December 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 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 with ICF Back-up Wall Balcony Ceiling/Wall

Water Resistive Barrier System Sto Flexyl with 100% Sto Mesh Reinforcement StoGuard® Backer Rod and Sealant Transition Membrane Embedded in Balcony StoGuard[®] Air and Moisture Skim Coat of Barrier Sto Base Coat Sto Primer Smooth Backer Rod StoCoat Acryl Plus Sto Adhesive Water Resistive Barrier System Sto Flexyl with 100% Sto Mesh Reinforcement **ICF** Substrate completed as per ICF manufacturer's Installation requirements Sto EPS ProD Insulation Board. Back-Wrapped or Pre-Wrapped at Termination Sto Base Coat (with Sto Mesh Embedded) Sto Mesh Sto Primer (Optional) Sto Finish

Notes:

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

Detail No.: 54i.42B Date: December 2016

- 2. Underside of balcony may also be finished with Sto Finish or other Sto smooth or textured coatings.
- Refer to StoTherm ci 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 with ICF Back-up Wall Horizontal Termination at Dissimilar Cladding

Detail No.: 54i.50 Date: December 2016

ICF Substrate Sto Adhesive Water Resistive Barrier completed as per System Sto Flexyl with Sto EPS ProD ICF manufacturer's 100% Sto Mesh Insulation Board, Installation Reinforcement-Requirements-Back-Wrapped Sto Mesh Sto Primer Sto EPS ProD Starter (Optional) Board, Pre-Wrapped Sto Flexyl with Sto Detail Mesh **Embedded** Sto Base Coat (with Sto Mesh Embedded) Backer Rod and Sealant with Weep Holes Wood Blocking Masonry Sill Flashing **Brick Cavity Wall** Sto Finish StoGuard[®] Transition Membrane Sealant Embedded in StoGuard[®] Air and Moisture Barrier Property of Sto Corp. All Rights Reserved.

Notes:

- Refer to StoTherm ci 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 with ICF Back-up Wall Vertical Termination at Dissimilar Cladding

Detail No.: 54i.51A Date: December 2016

ICF Substrate completed as per ICF manufacturer's Installation requirements Water Resistive Barrier Sto Adhesive System Sto Flexyl with 100% Sto Mesh Sto Base Coat (with Reinforcement Sto Mesh Embedded) Masonry Veneer or Other Dissimilar Sto Primer Material (Optional) Sto Mesh Sealant and Backer Rod Sto Finish Sto EPS ProD Insulation Board, Back-Wrapped or Pre-Wrapped at Termination

Notes:

- Refer to StoTherm ci 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 with ICF Back-up Wall Vertical Termination at Dissimilar Backup Wall Construction

Detail No.: 54i.51B Date: December 2016

ICF Substrate completed as per ICF manufacturer's Installation requirements StoGuard[®] Transition Membrane Embedded in StoGuard® Air and Water Resistive Barrier Moisture Barrier System Sto Flexyl with 100% Sto Mesh Reinforcement CMU Backup-Sto Adhesive Masonry Veneer or Other Dissimilar Material Sto Primer Water Resistive Barrier (Optional) System Sto Flexyl with Sto Mesh 100% Sto Mesh Reinforcement Sto Base Coat (Minimum Two Coats on CMU Wall Surface) (with Sto Mesh Embedded) Sealant and Backer Rod Sto Finish Sto EPS ProD Insulation Board. Back-Wrapped or Pre-Wrapped at Termination

Notes:

- Refer to StoTherm ci 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 with ICF Back-up Wall Vertical Expansion Joint in Back-Up Wall

Detail No.: 54i.52A Date: December 2016

ICF Substrate StoGuard[®] Transition Membrane completed as per Embedded in StoGuard® Air and ICF manufacturer's Moisture Barrier Installation Requirements-Sto Adhesive Water Resistive Barrier System Sto Flexyl with 100% Sto Mesh Reinforcement-Sto Primer (Optional) Sto Mesh-Sto Base Coat (with Sto Mesh Embedded) Sealant and Backer Rod Sto Finish Sto EPS ProD Insulation Board, Back-Wrapped or Pre-Wrapped at Termination

Notes:

- Refer to StoTherm ci 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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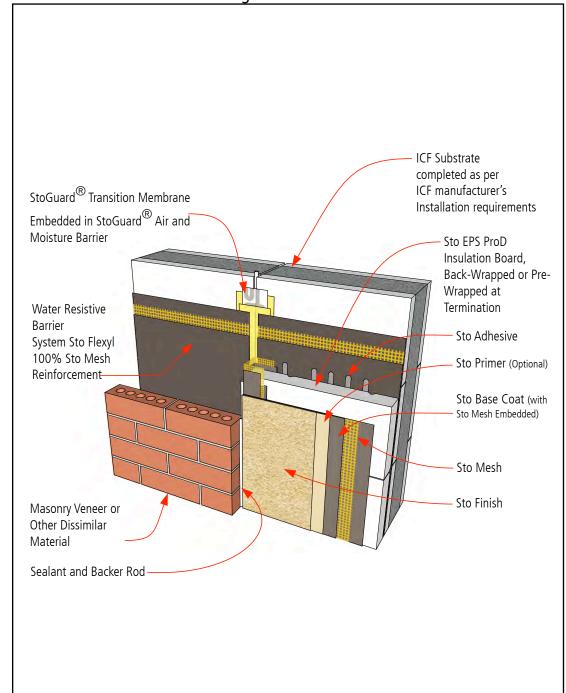


StoTherm[®] ci with ICF Back-up Wall Vertical Expansion Joint in Back-Up Wall, StoTherm ci and Dissimilar Cladding

Detail No.: 54i.52B Date: December 2016

Notes:

- Refer to StoTherm ci 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

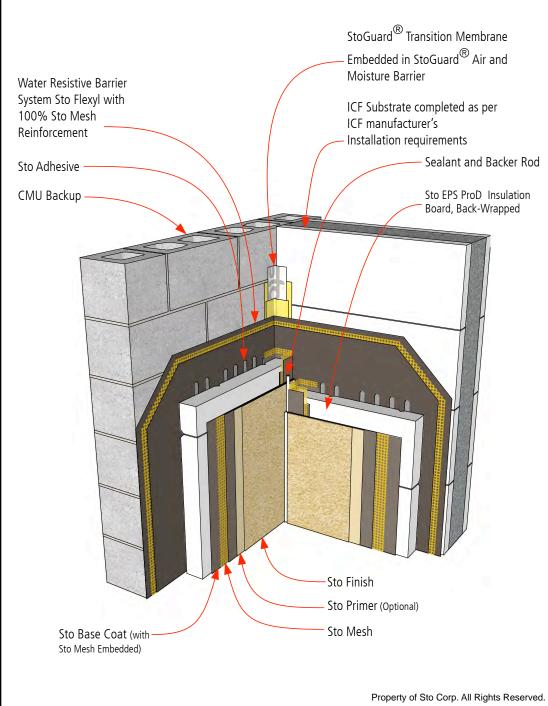
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StoTherm[®] ci with ICF Back-up Wall Inside Corner with Dissimilar Backup Wall

Detail No.: 54i.53 Date: December 2016



Notes:

- Refer to StoTherm ci 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.

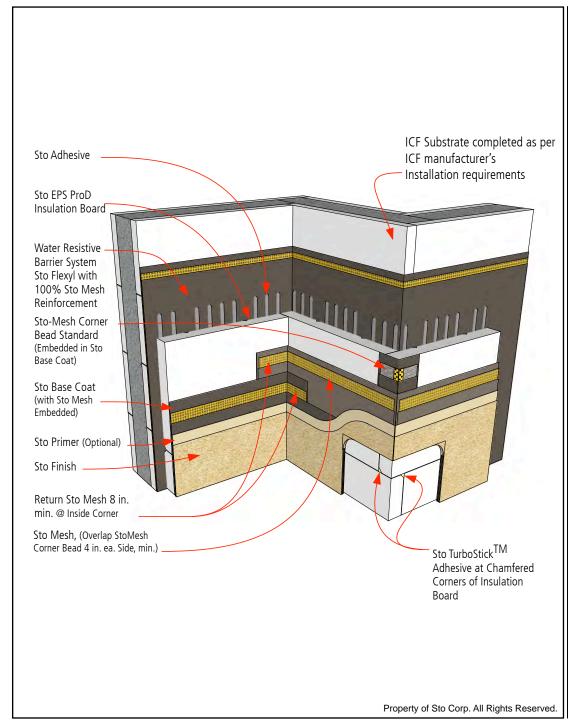
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ATTENTION



StoTherm[®] ci with ICF Back-up Wall

Inside and Outside Corner with ICF Substrate and StoMesh Corner Bead Reinforcement



Notes:

1. Provide joint at interior corner if movement is anticipated. Refer to Sto Detail 54i.53.

Detail No.: 54i.54A Date: December 2016

- Refer to StoTherm ci 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.

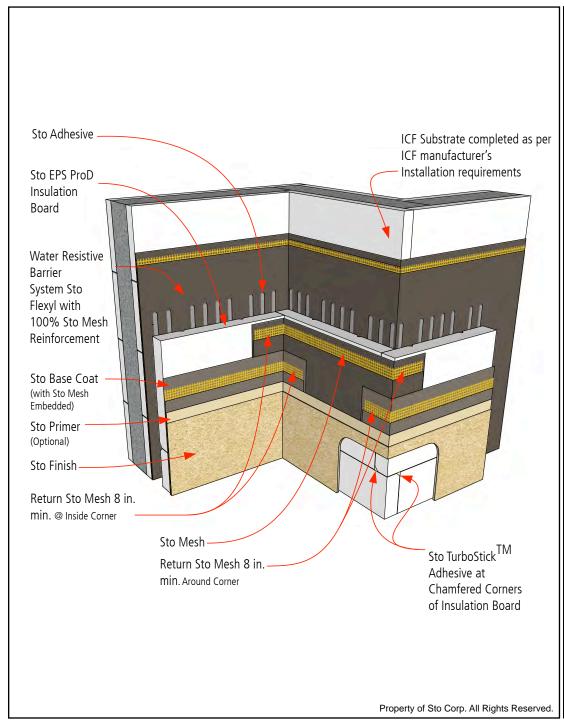
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StoTherm® ci with ICF Back-up Wall

Inside and Outside Corner with ICF Substrate and Sto Mesh Reinforcement



Notes:

1. Provide joint at interior corner if movement is anticipated. Refer to Sto Detail 54i.53.

Detail No.: 54i.54B Date: December 2016

- Refer to StoTherm ci 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 with ICF Back-up Wall Termination at Parapet - Front

Metal Coping StoGuard[®] Transition Membrane Backer Rod Embedded in StoGuard[®] Air and & Sealant Moisture Barrier (or Compatible Roofing Membrane) Wood Blocking Roof Structure Sto Finish Sto Primer (Optional) Sto Mesh Sto Base Coat (with Sto Mesh Embedded) Sto EPS ProD Insulation Board Back-Wrapped ICF Substrate completed as per ICF manufacturer's Sto Adhesive Installation requirements Water Resistive BarrierSystem Sto Flexyl with 100% Sto Mesh Reinforcement Property of Sto Corp. All Rights Reserved.

Notes:

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

Detail No.: 54i.60A Date: December 2016

- 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 with ICF Back-up Wall Parapet with Cornice Feature

StoGuard[®] Transition Membrane Wood Construction Water Resistive Barrier System Sto Flexyl Embedded in StoGuard[®] Air and Moisture as Required with 100% Sto Mesh Reinforcement Extends 2 in. (51 mm) min. at Vertical StoGuard[®] Transition and Horizontal Surfaces Membrane Embedded in StoGuard® StoGuard[®] Air and Transition Membrane Moisture Barrier (or Embedded in Compatible Roofing StoGuard[®] Air Membrane) and Moisture Metal Coping Backer Rod Backer Rod and Sealant 1/2 in. (13 mm) min. Gap Between Top Pre-Wrapped Surface of Cornice Cornice Feature and Underside of Wood Sto Primer (Optional) Construction Sto Base Coat (with Sto Mesh Embedded) Sto EPS ProD Insulation Board, Sto Finish Back-Wrapped or Pre-Wrapped at Sto Mesh Termination **ICF** Substrate Water Resistive completed as per Barrier ICF manufacturer's System Sto Flexyl Installation Requirements 100% Sto Mesh Reinforcement Cornice Feature Pre-Wrapped with Sto Base Coat (with Sto Mesh Embedded) Sto EPS ProD Insulation Cornice Feature Sto Mesh Embedded in Base Coat Laps Sto Mesh on Cornice 2 1/2 in. (64 mm) 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.: 54i.61 Date: December 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 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 with ICF Back-up Wall Diverter Flashing at Roof/Wall Abutment

ICF Substrate Water Resistive Barrier completed as per Sto EPS ProD System Sto Flexyl with ICF manufacturer's Insulation Board, 100% Sto Mesh Reinforcement Installation Pre-Wrapped Requirements Sto Base Coat (with Sto Mesh Embedded) Sto Mesh Sto EPS ProD Sto Primer (Optional) -Starter Board, Sto Finish Pre-Wrapped Step Flashing Terminate StoTherm ci 2 Sto FlexvI with in. (51 mm) Above Sto Detail Mesh Finished Roof Embedded Sto Adhesive **Roof Shingles** Underlayment Diverter Flashing Roof Structure Drip Edge Flashing Sto Finish Gutter Step Flashing Fascia Backer Rod and Sealant Around Vertical Leg of Diverter Flashing Diverter Flashing Drip Edge Flashing

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.: 54i.62 Date: December 2016

- Refer to StoTherm ci 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 with ICF Back-up Wall Termination at Parapet - Back

Sto Mesh StoGuard[®] Transition Membrane Termination Bar for Roof Membrane Embedded in StoGuard® Air and Backer Rod and Sealant Moisture Barrier (or Compatible Roofing Membrane) Metal Coping Wood Blocking Sto Finish Sto Primer (Optional) Sto Adhesive Sto Base Coat (with Sto Mesh Embedded) Water Resistive Sto EPS ProD Insulation Barrier Board, Pre-Wrapped System Sto Flexyl with 100% Sto Mesh Reinforcement **ICF** Substrate completed as per ICF manufacturer's Installation Requirements Roof Membrane Cover Board **Roof Insulation Roof Structure** Sto Flexyl with Sto Detail Mesh Embedded Sto EPS ProD Insulation Board, Pre-Z-Flashing Wrapped StoGuard[®] Detail Termination Bar for Roof Membrane Component Roof Membrane Wood Blocking Backer Rod and Sealant with Weep Insulation

Notes:

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

Detail No.: 54i.60B Date: December 2016

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

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