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Sto Corp.
3800 Camp Creek Pkwy. SW
Bldg. 1400 • Suite 120
Atlanta, GA 30331
Tel: (800) 221-2397
Fax: (404) 346-3119
helpdesk.stocorp.com
Structural - Wind and Axial Loads

1. Design for maximum allowable deflection normal to the plane of the wall of L/240.
2. Design for wind load in conformance with code requirements.
3. Frame Construction: space studs maximum 16 inches (406mm) on center using either 2x4 or 2x6 wood framing or minimum 18 gauge galvanized steel stud framing.

Fire

1. Insulation board is noncombustible as defined by NFPA 220 with 0 flame spread and 0 smoke development (ASTM E84).
2. Non-Combustible Construction: meets requirements for use on non-combustible construction without height limitation based on NFPA 285 and NFPA 268 engineering analyses.

Moisture Protection

1. Refer to Sto Tech Hotline No. 0403-BSc, Critical Detail Checklist for Wall Assemblies, and No. 0603-BSc Moisture Control Principles for Design and Construction of Wall Assemblies, for basic details and principles that must be employed in design and construction of wall assemblies to control moisture.
2. StoGuard functions as the air barrier and moisture barrier (AMB) in the system and conforms with the requirements of ASTM E2570, Standard Test Methods for Evaluating Water-Resistive Barrier (WRB) Coatings Used Under Exterior Insulation and Finish Systems (EIFS) or EIFS with Drainage. The moisture protection provided by StoGuard protects walls against moisture damage from rain during the construction process and in the event of a breach in the wall cladding while in service. Flashing must always be integrated with the AMB in the wall assembly to direct water to the exterior of the cladding, not into the wall assembly, particularly at potential leak sources such as windows.
3. The function of an air barrier should not be confused with that of a vapor retarder. A vapor retarder is placed in the wall to resist differential vapor pressures, whereas the air barrier is designed to resist the structural live loads induced by air pressure difference.

(continued on next page)
Moisture Protection (cont’d)

Generally a vapor retarder is placed on the warm side of the wall. Specifically, it is placed on the interior side of the insulation in cold climates and on the exterior side of the insulation in warm humid climates to minimize condensation within the wall assembly.

A vapor retarder may not be necessary depending on the wall components, the range of temperature/humidity conditions inside and outside, and the mechanical ventilation of the building. A vapor retarder should not be used on the interior side of walls in warm humid climates. Refer to applicable building codes for further guidance.

4. The system functions to resist water penetration based on testing in accordance with ASTM E331, (Standard Test Method for Water Penetration of Exterior Windows, Skylights, Doors, and Curtain Walls by Uniform Static Air Pressure Difference) and also drains incidental water in the event of a breach of the outer facing (lamina). The system has a drainage efficiency greater than 90% based on testing in accordance with ASTM E2273, Standard Test Methods for Determining the Drainage Efficiency of Exterior Insulation and Finish Systems (EIFS) Clad Wall Assemblies.

5. The system is “vapor open” with vapor permeable air and moisture barrier, insulation board, and lamina components. If a vapor barrier is required refer to information on StoGuard VaporSeal.

6. Precautions must be taken to keep insulation board dry during construction and while in service. R-value, adhesion and other properties can be compromised if insulation stays wet. During construction protect with tenting, base coat, or other protection to maintain insulation board integrity and properties.

Thermal Insulation

1. The system employs noncombustible continuous exterior mineral wool insulation in compliance with ASTM C612, Standard Specification for Mineral Fiber Block and Board Thermal Insulation. The insulation comes in 2, 3, or 4 inch (51, 76, or 102mm) thicknesses with an R-value of 4.0 ft²•h•°F / Btu per inch (RSI-0.704 m²•K/W).

2. The system employs specially designed thermal dowels for attachment of the insulation to the supporting structure to minimize thermal bridging.

Impact Resistance

1. Heavy reinforcing mesh layer (11 oz/yd² [373 g/m²]) is recommended for ground floors and other areas at risk of impacts or abuse. Alternative materials – stucco, stone, tile – may be more suitable in areas with heavy pedestrian traffic, vehicular traffic (e.g., porte cocherre), and industrial areas.
Acoustics

1. Outdoor-Indoor Transmission Class has been measured and calculated at 45 in accordance with ASTM E1332, Standard Classification for Rating Outdoor-Indoor Sound Attenuation, and ASTM E413, Classification for Rating Sound Insulation.

Aesthetics

1. Slight surface irregularities may be apparent in the finished wall surface for brief periods during the day in critical light. Smooth or fine texture finishes are discouraged. Minimum 1.5 mm (Medium) or heavier textures are preferred to hide surface imperfections. On some occasions surface mount dowels may "read" through the finished wall surface as the building ages. This can be remedied by recoating (or prevented by using countersunk dowels).

Joints

1. System requires joints at:
   - Expansion, deflection, control, or cold joints in supporting construction
   - Changes in building height
   - Dissimilar construction or materials
   - Floor lines in multi-level wood frame construction

Regulatory Compliance

1. StoGuard Air and Moisture Barrier complies with IBC, IRC and IECC as an air barrier material and water-resistive barrier (WRB). Refer to ICC-ES ESR 1233 for listed products.
2. System conforms with 2018 IECC Section C402.2 prescriptive ci R-value requirements for above-grade walls.
3. System conforms with performance and drainage efficiency requirements of 2018 IBC Section 1407 and 2018 IRC Section R703.9.2.
4. System conforms with 2018 IBC Section 1402.5 for use on buildings of Types I, II, II, or IV construction without height limitation (other than height restrictions governed by wind pressure limits of the system).
Sustainability

1. Insulation board is made of 70% recycled content.

2. StoGuard Air and Moisture Barrier, Sto adhesive, and Sto lamina components comply with VOC requirements of SCAQMD Rule 1113.

3. System has high potential for LEED and other sustainability program credits based on efficient and effective use of continuous exterior insulation and resulting reductions in greenhouse gas emissions.

Other

1. Always construct a site built mock-up using materials and sub-trades associated with the project to verify installation, sequencing, detailing, and aesthetics, and test the performance of the window/wall assembly and other selected critical detail areas for air leakage, water infiltration, and structural adequacy in relation to design wind pressures. Correct any deficiencies shown by the mock-up and testing before commencing work.


3. The final design of the project is the responsibility of the Design Professional. Sto accepts no liability for design, engineering, or workmanship of any project. The notes provided herein are in addition to Sto Guide Details, Guide Specifications, and other items available at www.stocorp.com.

For Questions or Assistance:
Sto Technical Services
Phone: +1 (800) 221-2397
Help Desk: helpdesk.stocorp.com
Website: www.stocorp.com
Fluid Applied Air and Moisture Barrier Products

- **Sto Gold Coat®** - Roller or spray applied vapor-permeable air & moisture barrier designed for use in StoTherm® ci Systems.
- **Sto AirSeal™** - Roller or spray applied, medium-to-high build, vapor-permeable air & moisture barrier for use behind siding, brick, stone, adhered veneer, StoTherm® ci Systems, and other claddings.
- **Sto Gold Coat® TA** - Trowel applied vapor-permeable air & moisture barrier for use behind siding, brick, stone, adhered veneer, and StoTherm® ci Systems.
- **Sto VaporSeal™** - Roller or spray applied high build air barrier and Class 1 vapor retarder (< 0.1 perms). Provides superior protection against vapor diffusion, moisture intrusion, and air leakage.

Detail Component Products

- **Sto Gold Fill®** - Trowel applied joint treatment and air barrier material used to treat rough openings, corners, and sheathing joints with StoGuard® Mesh or Sto Detail Mesh.
- **Sto RapidGuard™** - One-component air barrier and waterproof material used to protect rough openings, sheathing joints, seams, cracks, penetrations, and other transitions in above grade wall construction.
- **StoGuard® Fabric** - Non-woven cloth reinforcement to treat joints, inside and outside corners and rough openings when embedded in Sto Gold Coat, Sto Emerald Coat, Sto AirSeal or Sto VaporSeal.
- **StoGuard® Mesh** - Glass fiber, self-adhesive mesh for use with Sto Gold Fill and Sto Gold Coat TA as part of the StoGuard assembly.
- **StoGuard® Transition Membrane** - Flexible air barrier material used to make connections with adjoining construction to achieve continuity of the air barrier assembly at dynamic joints and dissimilar materials.
- **StoGuard® Tape** - A self-adhering membrane composed of spun bond polyester fabric laminated to rubberized asphalt adhesive for use as rough opening protection at windows and doors. StoGuard® Primer required.
### StoGuard® Products for Transition Components, Joint Treatments and Rough Opening Protection

<table>
<thead>
<tr>
<th>StoGuard® Product(s)</th>
<th>Transition Components</th>
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<tbody>
<tr>
<td></td>
<td>Sheathing Joints and Corners</td>
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<tr>
<td>StoGuard® Fluid Applied Air &amp; Moisture Barrier with StoGuard® Fabric</td>
<td>✓</td>
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<tr>
<td>Sto Gold Coat® TA with StoGuard® Mesh embedded</td>
<td>✓</td>
</tr>
<tr>
<td>Sto Gold Fill with StoGuard® Mesh or StoGuard® Detail Mesh embedded</td>
<td>✓</td>
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<tr>
<td>Sto RapidGuard™</td>
<td>✓</td>
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<tr>
<td>StoGuard® Tape with StoGuard® Primer</td>
<td>×</td>
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<tr>
<td>StoGuard® Transition Membrane embedded with any StoGuard® Fluid Applied Air &amp; Moisture Barrier</td>
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* Contact Sto Tech Services for more information.

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StoTherm® ci Mineral
System Components

Detail No.: 56s.00
Date: November 2018

Notes:
1. See StoGuard Chart (56s.5G) for transition component, joint treatment and rough opening protection product options.
2. Glass mat gypsum sheathing in compliance with ASTM C1177, exterior grade and Exposure 1 wood based sheathing, or cementitious sheathing in compliance with ASTM C1325.
3. StoTherm ci Mineral system components:
   - StoGuard Air and Moisture Barrier
   - Sto Adhesive
   - Mineral Wool Insulation Board
   - Mechanical Fasteners
   - Sto Base Coat
   - Sto Mesh
   - Sto primer (optional)
   - Sto Finish
4. Allow adhesive to dry before adding fasteners.
5. 2" insulation will use surface mounted fasteners, 3" and 4" insulation will use countersunk fasteners.
6. Refer to detail 56s.GN for general notes on the StoTherm ci Mineral system.
7. Mechanical Fasteners not shown. See Sto Detail 56s.01 for mechanical attachment pattern and additional information.
8. Components not identified as Sto are furnished by other manufacturers and are not necessarily installed by trades who install the Sto products. Refer to project specific contract documents.

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www.stocorp.com
StoTherm® ci Mineral
Mechanical Attachment Pattern and Components

A. 6-Fastener Configuration on Frame

B. 9-Fastener Configuration on Frame

Notes:
1. Additional framing may be needed to accommodate fastener spacing.
2. Allow adhesive to dry before adding fasteners.
3. 2" insulation will use surface mounted fasteners, 3" and 4" insulation will use countersunk fasteners.
5. Refer to detail 56s.GN for general notes on the StoTherm ci Mineral system.
6. Components not identified as Sto are furnished by other manufacturers and are not necessarily installed by trades who install the Sto products. Refer to project specific contract documents.

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C. 8-Fastener Configuration / Solid Substrate

1. Allow adhesive to dry before adding fasteners.
2. 2" insulation will use surface mounted fasteners, 3" and 4" insulation will use countersunk fasteners.
4. Refer to detail 56s.GN for general notes on the StoTherm ci Mineral system.
5. Components not identified as Sto are furnished by other manufacturers and are not necessarily installed by trades who install the Sto products. Refer to project specific contract documents.

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**StoTherm® ci Mineral**

**Termination at Grade - Sheathing Flush with Foundation or Slab Edge**

**Notes:**

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

2. Ultra-high impact resistance recommended at all ground floors to a minimum height of 6'-0" (1.8m) above finished grade and other areas accessible to pedestrian traffic, abnormal stress or impact.

3. See StoGuard Chart (56s.5G) for transition component, joint treatment and rough opening protection product options.

4. Refer to detail 56s.GN for general notes on the StoTherm ci Mineral system.

5. Mechanical Fasteners not shown. See Sto Detail 56s.01 for mechanical attachment pattern and additional information.

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

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StoTherm® ci Mineral
at Grade - Sheathing Overlapping Slab or Foundation

Detail No.: 56s.03B
Date: November 2018

Notes:

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

2. Ultra-high impact resistance recommended at all ground floors to a minimum height of 6'-0" (1.8m) above finished grade and other areas accessible to pedestrian traffic, abnormal stress or impact.

3. See StoGuard Chart (56s.5G) for transition component, joint treatment and rough opening protection product options.

4. Refer to detail 56s.GN for general notes on the StoTherm ci Mineral system.

5. Mechanical Fasteners not shown. See Sto Detail 56s.01 for mechanical attachment pattern and additional information.

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StoTherm® ci Mineral
Aesthetic Feature Band

Detail No.: 56s.04
Date: November 2018

Notes:

1. Feature band attached with adhesive and thermal dowels/fasteners into supporting structure. Follow the same fastening pattern as for the 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 accumulations.

3. Limit thickness of build-out to reduce maintenance associated with projecting architectural features. Thickness of trim is limited by available fastener lengths.

4. Refer to detail 56s.GN for general notes on the StoTherm ci Mineral system.

5. Mechanical Fasteners not shown. See Sto Detail 56s.01 for mechanical attachment pattern and additional information.

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StoTherm® ci Mineral
Aesthetic Reveal

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StoTherm® ci Mineral Aesthetic Reveal

Light Gauge Steel Stud Framing
Sto Adhesive
Sto Base Coat (with Sto Mesh Embedded) and second layer (skim coat)
Mineral Wool Insulation Board
StoGuard® Air and Moisture Barrier
1 1/2" (38 mm) min. Sheathing
2 1/2" (64 mm) min. Overlap of Sto Detail Mesh w/ Sto Mesh @ Top and Bottom of Reveal
Sto Base Coat (with Sto Detail Mesh Embedded)
Light Gauge Steel Stud Framing
Sto Adhesive
Sto Base Coat (with Sto Mesh Embedded) and second layer (skim coat)
Mineral Wool Insulation Board
StoGuard® Air and Moisture Barrier
1 1/2" (38mm) min. Sheathing
Sto Finish

Option 1 with Sto Detail Mesh

Option 2 with Continuous Sto Mesh

Sto Primer (Optional)

Sto Finish

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

2. Maintain minimum 1 1/2" (19mm) thickness of insulation board at base of reveal.

3. Note that locations of reveals in the system must be coordinated with fastener locations so that they do not cross each other. Reveals must be located 3” minimum from the dowel circumference.

4. Refer to detail 56s.GN for general notes on the StoTherm ci Mineral system.

5. Mechanical Fasteners not shown. See Sto Detail 56s.01 for mechanical attachment pattern and additional information.

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

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Step 1 - Rough Opening Protection

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Notes:

1. See StoGuard Chart (56s.5G) for transition component, joint treatment and rough opening protection product options.

2. 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.

3. Refer to detail 56s.GN for general notes on the StoTherm ci Mineral system.

4. Mechanical Fasteners not shown. See Sto Detail 56s.01 for mechanical attachment pattern and additional information.

5. Components not identified as Sto are furnished by other manufacturers and are not necessarily installed by trades who install the Sto products. Refer to project specific contract documents.
StoTherm® ci Mineral
Receptor-Type Window Sill

Detail No.: 56s.23A-2
Date: November 2018

Notes:
1. See StoGuard Chart (56s.5G) for transition component, joint treatment and rough opening protection product options.

2. 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.

3. Refer to detail 56s.GN for general notes on the StoTherm ci Mineral system.

4. Mechanical Fasteners not shown. See Sto Detail 56s.01 for mechanical attachment pattern and additional information.

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www.stocorp.com
Sto Therm® ci Mineral Receptor-Type Window Sill

Detail No.: 56s.23A-3
Date: November 2018

Notes:

1. See StoGuard Chart (56s.5G) for transition component, joint treatment and rough opening protection product options.

2. 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.

3. Refer to detail 56s.GN for general notes on the Sto Therm ci Mineral system.

4. Mechanical Fasteners not shown. See Sto Detail 56s.01 for mechanical attachment pattern and additional information.

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

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

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StoGuard® Air and Moisture Transition Component

Light Gauge Steel Stud Framing
Sheathing
StoGuard® Air and Moisture Barrier
StoGuard® Air and Moisture Barrier Rough Opening Protection
Cement Board Filler or Other Trim Flashing

StoGuard® Air and Moisture Barrier
StoGuard® Air and Moisture Barrier Rough Opening Protection

Step 1 - Rough Opening Protection, Head Flashing

Notes:
1. See StoGuard Chart (56s.SG) for transition component, joint treatment and rough opening protection product options.
2. 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.
3. Refer to detail 56s.GN for general notes on the StoTherm ci Mineral system.
4. Mechanical Fasteners not shown. See Sto Detail 56s.01 for mechanical attachment pattern and additional information.
5. Components not identified as Sto are furnished by other manufacturers and are not necessarily installed by trades who install the Sto products. Refer to project specific contract documents.

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StoTherm® ci Mineral
Receptor-Type Window Head

Step 2 - Receptor and Window

Mineral Wool Corner Board, Pre-Wrapped around Rough Opening

StoGuard® Air and Moisture Barrier
StoGuard® Air and Moisture Barrier Rough Opening Protection

Light Gauge Steel Stud Framing
Sheathing

Spray Polyurethane Foam Insulation
Head Receptor
Window Assembly
Cement Board Filler or Other Trim
Flashing
Jamb Receptor
Mineral Wool Insulation Board
Sto Adhesive

StoGuard® Air and Moisture Barrier
StoGuard® Air and Moisture Barrier Rough Opening Protection

Notes:

1. See StoGuard Chart (56s.SG) for transition component, joint treatment and rough opening protection product options.

2. 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.

3. Refer to detail 56s.GN for general notes on the StoTherm ci Mineral system.

4. Mechanical Fasteners not shown. See Sto Detail 56s.01 for mechanical attachment pattern and additional information.

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

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www.stocorp.com
StoTherm® ci Mineral
Receptor-Type Window Head

Step 3 - Cladding and Perimeter Weather and Air Seals

Pre-wrapped system termination (Sto detail mesh embedded in Sto Base Coat)
Mineral Wool Corner Board, Pre-Wrapped around Rough Opening
Sto Finish
Sto Primer (Optional)
Sto Base Coat (with Sto Mesh Embedded) and second layer (skim coat)
Sto Adhesive
Mineral Wool Insulation Board
Sto Adhesive
StoGuard® Air and Moisture Barrier
StoGuard® Air and Moisture Barrier Rough Opening Protection
Light Gauge Steel Stud Framing
Sheathing
StoGuard® Air and Moisture Barrier
StoGuard® Air and Moisture Barrier Rough Opening Protection
Spray Polyurethane Foam Insulation
Air Seal, Backer Rod and Sealant (Air Seal Entire Perimeter)
Head Receptor
Window Assembly
Cement Board Filler or Other Trim (Finish Cement Bd. w/ StoCoat Acryl Plus)
Flashing
Jamb Receptor
Backer Rod & Sealant (Entire Perimeter, with Weeps at Head)

Notes:
1. See StoGuard Chart (56s.SG) for transition component, joint treatment and rough opening protection product options.
2. 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.
3. Refer to detail 56s.GN for general notes on the StoTherm ci Mineral system.
4. Mechanical Fasteners not shown. See Sto Detail 56s.01 for mechanical attachment pattern and additional information.
5. Components not identified as Sto are furnished by other manufacturers and are not necessarily installed by trades who install the Sto products. Refer to project specific contract documents.

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**StoTherm® ci Mineral**

**Flanged Window-Sill**

**Detail No.: 56s.24A-1**

**Date: November 2018**

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**Notes:**

1. See StoGuard Chart (56s.5G) for transition component, joint treatment and rough opening protection product options.

2. 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.

3. Refer to detail 56s.GN for general notes on the StoTherm ci Mineral system.

4. Mechanical Fasteners not shown. See Sto Detail 56s.01 for mechanical attachment pattern and additional information.

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

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**Step 1 - Rough Opening Protection, Sill Flashing**

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Step 2 - Window and Trim

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StoTherm® ci Mineral
Flanged Window-Sill

Detail No.: 56s.24A-3
Date: November 2018

Notes:

1. See StoGuard Chart (56s.5G) for transition component, joint treatment and rough opening protection product options.

2. 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.

3. Refer to detail 56s.GN for general notes on the StoTherm ci Mineral system.

4. Mechanical Fasteners not shown. See Sto Detail 56s.01 for mechanical attachment pattern and additional information.

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

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Step 1 - Rough Opening Protection, Head Flashing

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Notes:

1. See StoGuard Chart (56s.5G) for transition component, joint treatment and rough opening protection product options.

2. 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.

3. Refer to detail 56s.GN for general notes on the StoTherm ci Mineral system.

4. Mechanical Fasteners not shown. See Sto Detail 56s.01 for mechanical attachment pattern and additional information.

5. Components not identified as Sto are furnished by other manufacturers and are not necessarily installed by trades who install the Sto products. Refer to project specific contract documents.
StoTherm® ci Mineral
Flanged Window-Head

Step 2 - Window and Trim

Mineral Wool Insulation Board, Pre-Wrapped Around Opening
Light Gauge Steel
Stud Framing
StoGuard® Transition Component
(See Note 1)
Flashing
StoGuard® Air and Moisture Barrier Rough Opening Protection
(See Note 1)
Sealant
Spray Polyurethane Foam Insulation
Backer Rod & Sealant Weather and Air Seals (Entire Perimeter with Weeps Between Underside of Trim & Flashing Leg)
Window Assembly
StoGuard® Air and Moisture Barrier
Spray Polyurethane Foam Insulation
Sealant Behind Mounting Flange (Jams and Head Only)
StoGuard® Air and Moisture Barrier Rough Opening Protection
(See Note 1)
Sheathing
Sto Adhesive

Notes:
1. See StoGuard Chart (56s.5G) for transition component, joint treatment and rough opening protection product options.
2. 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.
3. Refer to detail 56s.GN for general notes on the StoTherm ci Mineral system.
4. Mechanical Fasteners not shown. See Sto Detail 56s.01 for mechanical attachment pattern and additional information.
5. Components not identified as Sto are furnished by other manufacturers and are not necessarily installed by trades who install the Sto products. Refer to project specific contract documents.

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www.stocorp.com
StoTherm® ci Mineral
Flanged Window-Head

Note:
1. See StoGuard Chart (56s.5G) for transition component, joint treatment and rough opening protection product options.

2. 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.

3. Refer to detail 56s.GN for general notes on the StoTherm ci Mineral system.

4. Mechanical Fasteners not shown. See Sto Detail 56s.01 for mechanical attachment pattern and additional information.

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

Step 3 - Cladding and Perimeter Weather and Air Seals

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StoTherm® ci Mineral
Soffit: Insulated and Unvented

Detail No.: 56s.30
Date: November 2018

Notes:

1. Continue StoGuard air and moisture barrier onto dissimilar material or construction where required after verifying substrate material compatibility. Refer to Sto Detail 56s.53 for typical detailing of inside corner if substrate material or construction is dissimilar. Refer to Sto Detail 56s.54A if substrate material is similar at inside corner.

2. 4" (10cm) thick insulation board typically required for proper lap of accessory with mesh "tail". For thinner sections of insulation board pre-wrap insulation board with Sto base coat and mesh.

3. Refer to detail 56s.GN for general notes on the StoTherm ci Mineral system.

4. See StoGuard Chart (56s.G5) for transition component, joint treatment and rough opening protection product options.

5. Mechanical Fasteners not shown. See Sto Detail 56s.01 for mechanical attachment pattern and additional information.

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

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StoGuard® Air and Moisture Barrier
StoGuard® Joint Treatment (See Note 4)
Structure
Soffit Vent
Casing Bead
Backer Rod and Sealant
Sto Finish
Dissimilar Material or Wall Construction

Light Gauge Steel Stud Framing Sheathing
Sto Adhesive
Mineral Wool Insulation Board
Sto Base Coat (with Sto Mesh Embedded) and second layer (Skim Coat)
Sto Primer (Optional)
Nominal 1/4 inch (6 mm) Gap for Drainage
Sto Drip Edge Profile (See Drawing Below)
Pre-wrapped system termination (Sto detail mesh embedded in Sto Base Coat)

Sto Drip Edge Profile

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. Refer to detail 56s.GN for general notes on the StoTherm ci Mineral system.

4. See StoGuard Chart (56s.SG) for transition component, joint treatment and rough opening protection product options.

5. Mechanical Fasteners not shown. See Sto Detail 56s.01 for mechanical attachment pattern and additional information.

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

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StoTherm® ci Mineral
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 Details 53s.41A, and 53s.41B for a floor line condition with deflection.

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.

4. Refer to detail 56s.GN for general notes on the StoTherm ci Mineral system.

5. See StoGuard Chart (56s.5G) for transition component, joint treatment and rough opening protection product options.

6. Mechanical Fasteners not shown. See Sto Detail 56s.01 for mechanical attachment pattern and additional information.

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

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StoTherm® ci Mineral
Floor Line With Deflection - Concealed 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.

2. Provide fire stopping at floor line as needed.

3. Refer to detail 56s.GN for general notes on the StoTherm ci Mineral system.

4. See StoGuard Chart (56s.5G) for transition component, joint treatment and rough opening protection product options.

5. Mechanical Fasteners not shown. See Sto Detail 56s.01 for mechanical attachment pattern and additional information.

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

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**StoTherm® ci Mineral**  
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.  
2. Provide fire stopping at floor line as needed.  
3. Provide drainage at floor line as deemed by design professional, typically no more then every third floor line. Refer to Sto Detail 56s.41A.  
4. Refer to detail 56s.GN for general notes on the StoTherm ci Mineral system.  
5. See StoGuard Chart (56s.SG) for transition component, joint treatment and rough opening protection product options.  
6. Mechanical Fasteners not shown. See Sto Detail 56s.01 for mechanical attachment pattern and additional information.  
7. Components not identified as Sto are furnished by other manufacturers and are not necessarily installed by trades who install the Sto products. Refer to project specific contract documents.

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StoTherm® ci Mineral
Floor Line With Deflection - Drainage at Floor Line

Detail No.: 56s.41C
Date: November 2018

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.
2. Provide fire stopping at floor line as needed.
3. Provide drainage at floor line as deemed by design professional, typically no more then every third floor line. Refer to Sto Detail 56s.41A.
4. Refer to detail 56s.GN for general notes on the StoTherm ci Mineral system.
5. See StoGuard Chart (56s.5G) for transition component, joint treatment and rough opening protection product options.
6. Mechanical Fasteners not shown. See Sto Detail 56s.01 for mechanical attachment pattern and additional information.
7. Components not identified as Sto are furnished by other manufacturers and are not necessarily installed by trades who install the Sto products. Refer to project specific contract documents.

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StoTherm® ci Mineral
Balcony Floor/Wall

Notes:
1. Detail applies to Balcony Protected by Balcony Ceiling Above.
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.
6. See StoGuard Chart (56s.5G) for transition component, joint treatment and rough opening protection product options.
7. Mechanical Fasteners not shown. See Sto Detail 56s.01 for mechanical attachment pattern and additional information.
8. Components not identified as Sto are furnished by other manufacturers and are not necessarily installed by trades who install the Sto products. Refer to project specific contract documents.

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StoTherm® ci Mineral
Balcony Ceiling/Wall

Detail No.: 56s.42B
Date: November 2018

Notes:
1. Detail applies to Balcony Protected by Balcony Ceiling Above.
2. Underside of balcony may also be finished with Sto Finish or other Sto smooth or textured coatings.
3. See StoGuard Chart (56s.5G) for transition component, joint treatment and rough opening protection product options.
4. Refer to detail 56s.GN for general notes on the StoTherm ci Mineral system.
5. Mechanical Fasteners not shown. See Sto Detail 56s.01 for mechanical attachment pattern and additional information.
6. Components not identified as Sto are furnished by other manufacturers and are not necessarily installed by trades who install the Sto products. Refer to project specific contract documents.

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StoTherm® ci Mineral
Horizontal Termination at Dissimilar Cladding

Notes:
1. See StoGuard Chart (56s.5G) for transition component, joint treatment and rough opening protection product options.
2. Mechanical Fasteners not shown. See Sto Detail 56s.01 for mechanical attachment pattern and additional information.
3. Refer to detail 56s.GN for general notes on the StoTherm ci Mineral system.
4. Components not identified as Sto are furnished by other manufacturers and are not necessarily installed by trades who install the Sto products. Refer to project specific contract documents.

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StoTherm® ci Mineral
Vertical Termination at Dissimilar Cladding

Detail No.: 56s.51A
Date: November 2018

Notes:
1. Mechanical Fasteners not shown. See Sto Detail 56s.01 for mechanical attachment pattern and additional information.
2. Refer to detail 56s.GN for general notes on the StoTherm ci Mineral system.
3. Components not identified as Sto are furnished by other manufacturers and are not necessarily installed by trades who install the Sto products. Refer to project specific contract documents.

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www.stocorp.com
StoTherm® ci Mineral
Vertical Termination at Dissimilar Backup Wall Construction

Notes:

1. See StoGuard Chart (56s.5G) for transition component, joint treatment and rough opening protection product options.

2. Mechanical Fasteners not shown. See Sto Detail 56s.01 for mechanical attachment pattern and additional information.

3. Refer to detail 56s.GN for general notes on the StoTherm ci Mineral system.

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

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StoTherm® ci Mineral
Vertical Expansion Joint in Back-Up Wall

StoGuard® Transition Membrane Embedded in StoGuard® Air and Moisture Barrier (See Note 1)

Light Gauge Steel Stud Framing
Sheathing
StoGuard® Air and Moisture Barrier
Sto Primer (Optional)
Sto Base Coat (with Sto Mesh Embedded) and second layer (Skim Coat)
Sealant and Backer Rod
Sto Finish

Mineral Wool Insulation Board, Back-Wrapped or Pre-Wrapped at Vertical Termination

Notes:
1. See StoGuard Chart (56s.5G) for transition component, joint treatment and rough opening protection product options.
2. Mechanical Fasteners not shown. See Sto Detail 56s.01 for mechanical attachment pattern and additional information.
3. Refer to detail 56s.GN for general notes on the StoTherm ci Mineral system.
4. Components not identified as Sto are furnished by other manufacturers and are not necessarily installed by trades who install the Sto products. Refer to project specific contract documents.

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www.stocorp.com
StoTherm® ci Mineral
Vertical Expansion Joint in Back-Up Wall, StoTherm ci and Dissimilar Cladding

Notes:
1. See StoGuard Chart (56s.5G) for transition component, joint treatment and rough opening protection product options.

2. Mechanical Fasteners not shown. See Sto Detail 56s.01 for mechanical attachment pattern and additional information.

3. Refer to detail 56s.GN for general notes on the StoTherm ci Mineral system.

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

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StoTherm® ci Mineral
Inside Corner with Dissimilar Backup Wall

Detail No.: 56s.53
Date: November 2018

Notes:

1. See StoGuard Chart (56s.5G) for transition component, joint treatment and rough opening protection product options.

2. Mechanical Fasteners not shown. See Sto Detail 56s.01 for mechanical attachment pattern and additional information.

3. Refer to detail 56s.GN for general notes on the StoTherm ci Mineral system.

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

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

Notes:
1. Provide joint at interior corner if movement is anticipated. Refer to Sto Detail 56s.53.

2. See StoGuard Chart (56s.5G) for transition component, joint treatment and rough opening protection product options.

3. Mechanical Fasteners not shown. See Sto Detail 56s.01 for mechanical attachment pattern and additional information.

4. Refer to detail 56s.GN for general notes on the StoTherm ci Mineral system.

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

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**StoTherm® ci Mineral**  
**Inside and Outside Corner with Common Substrate and Sto Mesh Reinforcement**

**Notes:**

1. Provide joint at interior corner if movement is anticipated. Refer to Sto Detail 56s.53.

2. See StoGuard Chart (56s.5G) for transition component, joint treatment and rough opening protection product options.

3. Mechanical Fasteners not shown. See Sto Detail 56s.01 for mechanical attachment pattern and additional information.

4. Refer to detail 56s.GN for general notes on the StoTherm ci Mineral system.

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

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**StoTherm® ci Mineral**

Termination at Parapet - Front

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**Notes:**

1. See StoGuard Chart (56s.5G) for transition component, joint treatment and rough opening protection product options.

2. Mechanical Fasteners not shown. See Sto Detail 56s.01 for mechanical attachment pattern and additional information.

3. Refer to detail 56s.GN for general notes on the StoTherm ci Mineral system.

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

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StoGuard® Transition Component
Top Coated with StoGuard® Air and Moisture Barrier (or Compatible Roofing Membrane)
(See Note 1)
Wood Blocking
Sto Adhesive
StoGuard® Air and Moisture Barrier
Sheathing
StoGuard® Transition Component (See Note 1)
Z-Flashing
StoGuard® Transition Component (See Note 1)
Sheathing
Wood Blocking
StoGuard® Air and Moisture Barrier
Insulation
Pre-wrapped system termination
(Sto detail mesh embedded in Sto Base Coat)
Backer Rod and Sealant
Metal Coping
Sto Finish
Sto Primer (Optional)
Sto Base Coat (with Sto Mesh Embedded) and second layer
(Skim Coat)
Mineral Wool Insulation
Termination Bar for Roof Membrane
Roof Membrane
Cover Board
Roof Insulation
Roof Structure
Mineral Wool Insulation Board
Termination Bar for Roof Membrane
Roof Membrane
Backer Rod and Sealant with Weep Holes
Light Gauge Steel Stud Framing

Notes:
1. See StoGuard Chart (56s.5G) for transition component, joint treatment and rough opening protection product options.
2. Mechanical Fasteners not shown. See Sto Detail 56s.01 for mechanical attachment pattern and additional information.
3. Refer to detail 56s.GN for general notes on the StoTherm ci Mineral system.
4. Components not identified as Sto are furnished by other manufacturers and are not necessarily installed by trades who install the Sto products. Refer to project specific contract documents.

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StoTherm® ci Mineral
Parapet with Cornice Feature

Wood Construction as Required
StoGuard® Transition Component Top
Coated with StoGuard® Air and
Moisture Barrier (or Compatible Roofing
Membrane, See Note 5)

Metal Coping

Backer Rod and Sealant

Pre-Wrapped Cornice

Sto Primer (Optional)

Sto Base Coat (with
Sto Mesh Embedded) and
second layer (Skim Coat)

Sto Finish
Pre-wrapped system
termination (Sto detail
mesh embedded in Sto Base
Coat)

Light Gauge Steel
Stud Framing

StoGuard® Air and
Moisture Barrier
Sheathing Joint
Treatment Extends
2 in. (51 mm) min.
at Vertical and
Horizontal Surfaces (See Notes)
1/2 in. (13 mm) min. Gap Between
Top Surface of Cornice Feature and
Underside of Wood
Construction
Mineral Wool
Insulation Board, Back-
Wrapped or Pre-
Wrapped at
Termination
StoGuard® Air
and Moisture
Barrier
Sheathing

Cornice Feature Pre-Wrapped
with Sto Base Coat (with Sto
Mesh Embedded)

Sto EPS Insulation
Cornice Feature

Sto Mesh Embedded in
Base Coat Laps Sto Mesh
on Cornice 2 1/2 in. (64
mm) min.

View of Mesh Overlap

View of Pre-Wrapped Cornice

Notes:
1. Cornice feature limited to
12” (33 cm) maximum
thickness, including base
layer of insulation, for non-
combustible type
construction. Special analysis
with regard to fire
propagation may enable
thicker sections. Thicker
sections permitted within
practical limits for combustible construction.

2. Cornice feature attached
with Sto BTS Plus, 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
may be necessary in some
cases. Verify installation
method for adequate
attachment before
commencing work.

5. See StoGuard Chart
(56s.SG) for transition
component, joint treatment
and rough opening
protection product options.

6. Mechanical Fasteners not
shown. See Sto Detail
56s.01 for mechanical
attachment pattern and
additional information.

7. Refer to detail 56s.GN for
general notes on the
StoTherm ci Mineral system.

8. Components not identified
as Sto are furnished by other
manufacturers and are not
necessarily installed by trades
who install the Sto products.
Refer to project specific
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StoTherm® ci Mineral
Diverter Flashing at Roof/Wall Abutment

Detail No.: 56s.62
Date: November 2018

Notes:
1. See StoGuard Chart (56s.5G) for transition component, joint treatment and rough opening protection product options.
2. Mechanical Fasteners not shown. See Sto Detail 56s.01 for mechanical attachment pattern and additional information.
3. Refer to detail 56s.GN for general notes on the StoTherm ci Mineral system.
4. Components not identified as Sto are furnished by other manufacturers and are not necessarily installed by trades who install the Sto products. Refer to project specific contract documents.

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www.stocorp.com
StoTherm® ci Mineral
Gravel Stop

**Notes:**

1. See StoGuard Chart (56s.5G) for transition component, joint treatment and rough opening protection product options.

2. Mechanical Fasteners not shown. See Sto Detail 56s.01 for mechanical attachment pattern and additional information.

3. Refer to detail 56s.GN for general notes on the StoTherm ci Mineral system.

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

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StoTherm® ci Mineral
Saddle Flashing at Lower/Higher Wall Abutment

**Notes:**

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

2. See StoGuard Chart (56s.5G) for transition component, joint treatment and rough opening protection product options.

3. Mechanical Fasteners not shown. See Sto Detail 56s.01 for mechanical attachment pattern and additional information.

4. Refer to detail 56s.GN for general notes on the StoTherm ci Mineral system.

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

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www.stocorp.com
StoTherm® ci Mineral
Saddle Flashing at Lower/Higher Wall Abutment

Detail No.: 56s.64-2
Date: November 2018

Notes:
1. Provide minimum 2" (51mm) gap between parapet cap flashing and StoTherm ci termination.
2. See StoGuard Chart (56s.5G) for transition component, joint treatment and rough opening protection product options.
3. Mechanical Fasteners not shown. See Sto Detail 56s.01 for mechanical attachment pattern and additional information.
4. Refer to detail 56s.GN for general notes on the StoTherm ci Mineral system.
5. Components not identified as Sto are furnished by other manufacturers and are not necessarily installed by trades who install the Sto products. Refer to project specific contract documents.

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StoTherm® ci Mineral  
Saddle Flashing at Lower/Higher Wall Abutment

**Notes:**

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

2. See StoGuard Chart (56s.5G) for transition component, joint treatment and rough opening protection product options.

3. Mechanical Fasteners not shown. See Sto Detail 56s.01 for mechanical attachment pattern and additional information.

4. Refer to detail 56s.GN for general notes on the StoTherm ci Mineral system.

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

**Step 3 - Cladding, Coping, and Sealant**

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**StoTherm® ci Mineral**  
**Scupper Penetration**

**Notes:**

1. See StoGuard Chart (56s.5G) for transition component, joint treatment and rough opening protection product options.

2. Mechanical Fasteners not shown. See Sto Detail 56s.01 for mechanical attachment pattern and additional information.

3. Refer to detail 56s.GN for general notes on the StoTherm ci Mineral system.

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

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www.stocorp.com
StoTherm® ci Mineral
Pipe Penetration - Precision Cut Sheathing

Notes:
1. Refer to Sto Detail 56s.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.

2. See StoGuard Chart (56s.5G) for transition component, joint treatment and rough opening protection product options.

3. Mechanical Fasteners not shown. See Sto Detail 56s.01 for mechanical attachment pattern and additional information.

4. Refer to detail 56s.GN for general notes on the StoTherm ci Mineral system.

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

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StoTherm® ci Mineral
Pipe Penetration - Rough Cut Sheathing

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Notes:
1. Appropriate spray foam is used to fill gaps in sheathing. Where sheathing fits snug around pipe refer to Sto Detail 56s.70A.
2. See StoGuard Chart (56s.5G) for transition component, joint treatment and rough opening protection product options.
3. Mechanical Fasteners not shown. See Sto Detail 56s.01 for mechanical attachment pattern and additional information.
4. Refer to detail 56s.GN for general notes on the StoTherm ci Mineral system.
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StoTherm® ci Mineral
Sign Attachment

Detail No.: 56s.71
Date: November 2018

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.

2. Mechanical Fasteners not shown. See Sto Detail 56s.01 for mechanical attachment pattern and additional information.

3. Refer to detail 56s.GN for general notes on the StoTherm ci Mineral system.

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StoTherm® ci Mineral
Fixture Attachment

Mineral Wool Insulation Board, Back-Wrapped Around Electric Box Penetration

StoGuard® Air and Moisture Barrier
Sto Adhesive
Sto Base Coat (with Sto Mesh Embedded) and second layer (Skim Coat)
Sto Primer (Optional)

Sto Finish
Exterior Electric Box for Fixture Attachment
Backer Rod & Sealant

Pre-wrapped system termination (Sto detail mesh embedded in Sto Base Coat)

StoGuard® Transition Component on Blocking; Extend onto Sheathing 2"
(50mm) min.
(See Note 2)

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Notes:

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

2. See StoGuard Chart (56s.5G) for transition component, joint treatment and rough opening protection product options.

3. Mechanical Fasteners not shown. See Sto Detail 56s.01 for mechanical attachment pattern and additional information.

4. Refer to detail 56s.GN for general notes on the StoTherm ci Mineral system.

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