

DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER) BOARD AND CODE ADMINISTRATION DIVISION NOTICE OF ACCEPTANCE (NOA)

Sto Corporation 3800 Camp Creek Parkway Bldg. 1400, Ste. 120 Atlanta, GA 30331

SCOPE: This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: StoTherm ci LM1177-18ga. EIFS System over GP 5/8" DensGlass and USG 5/8" Securock - L.M.I.

APPROVAL DOCUMENT: Drawing titled "StoTherm ci GMG for Large Missile Impact Resistance", sheets 1 through 6 of 6, dated 05/13/24, prepared by manufacturer, signed and sealed by William R. Heiden III, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein. Components of this product come in different size buckets or drums. Each container needs to be labeled. Unit is further defined as each individual board of insulation and roll of reinforcing mesh.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official. This NOA revises and renews NOA No. 21-0722.07 and consists of this page 1 and evidence pages E-1, E-2, E-3 and E-4, as well as approval document mentioned above.

The submitted documentation was reviewed by Manuel Perez, P.E.



1/31/25

NOA No. 25-0107.04 Expiration Date: June 11, 2030 Approval Date: February 06, 2025 Page 1

1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's

A. DRAWINGS

- 1. Manufacturer's die drawings and sections. *(Submitted under NOA No. 20-0408.02)*
- Drawing titled "StoTherm ci LM/SM 1177-18ga. for Large and Small Missile Impact Resistance", sheets 1 through 6 of 6, dated 04/28/20 and revised on 07/20/21, prepared by manufacturer, signed and sealed by Kurt W. Heinrichs, P.E. (Submitted under NOA No. 21-0722.07)

B. TESTS

- 1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
 - 2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
 - 3) Water Resistance Test, per FBC, TAS 202-94
 - 4) Large Missile Impact Test per FBC, TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
 - 6) Tensile Test, per ASTM E8-16a

along with marked-up drawings and installation diagram of StoTherm ci Large Missile Hurricane Impact Resistant System installed over 5/8" GP DensGlass Glass-Mat Sheathing, prepared by Progressive Engineering Inc, Test Report No. **2019-6336(A)**, dated 01/14/20, signed and sealed by William R. Heiden III, P.E.

(Submitted under NOA No. 20-0408.02)

- 2. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
 - 2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
 - 3) Water Resistance Test, per FBC, TAS 202-94
 - 4) Large Missile Impact Test per FBC, TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
 - 6) Tensile Test, per ASTM E8-16a

along with marked-up drawings and installation diagram of StoTherm ci LM Hurricane Impact Resistant System installed over 5/8" USG Securock Glass-Mat Sheathing, prepared by Progressive Engineering Inc, Test Report No. 2019-6336(B), dated 01/14/20, signed and sealed by William R. Heiden III, P.E. (Submitted under NOA No. 20-0408.02)

Manuel Perez, P.E. Product Control Examiner NOA No. 25-0107.04 Expiration Date: June 11, 2030 Approval Date: February 06, 2025

1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's (CONTINUED)

B. TESTS (CONTINUED)

- **3.** Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
 - 2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
 - 3) Water Resistance Test, per FBC, TAS 202-94
 - 4) Large Missile Impact Test per FBC, TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
 - 6) Tensile Test, per ASTM E8-16a 4

along with marked-up drawings and installation diagram of StoTherm ci Small Missile Hurricane Impact Resistant System installed over 5/8" GP DensGlass Glass-Mat Sheathing, prepared by Progressive Engineering Inc, Test Report No. **2019-6336(C)**, dated 01/14/20, signed and sealed by William R. Heiden III, P.E. *(Submitted under NOA No. 20-0408.02)*

- 4. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
 - 2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
 - 3) Water Resistance Test, per FBC, TAS 202-94
 - 4) Large Missile Impact Test per FBC, TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
 - 6) Tensile Test, per ASTM E8-16a 4

along with marked-up drawings and installation diagram of StoTherm ci Small Missile Hurricane Impact Resistant System installed over 5/8" GP DensGlass Glass-Mat Sheathing, prepared by Progressive Engineering Inc, Test Report No. **2019-6336(D)**, dated 01/14/20, signed and sealed by William R. Heiden III, P.E. (Submitted under NOA No. 20-0408.02)

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **18-0504.08**, issued to Carpenter Company, for their Carpenter EPS Block Type Insulation, approved on 05/24/18, and expiring on 04/11/22.

Manuel Perez, P.E. Product Control Examiner NOA No. 25-0107.04 Expiration Date: June 11, 2030 Approval Date: February 06, 2025

1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's (CONTINUED)

F. STATEMENTS

1. Statement letter of code conformance, complying to the FBC 7th Edition (2020), dated 06/22/21, issued by NOVA Engineering and Environmental, signed and sealed by Kurt W. Heinrichs, P.E.

(Submitted under NOA No. 21-0722.07)

- Statement letter dated 06/16/21, issued by Sto requesting Product FBC 2020 update without change, signed by Kevin Schroeder, Senior Tech Rep. (Submitted under NOA No. 21-0722.07)
- 3. Successor Engineer statement letter dated 09/08/21, adopting Another Engineer's work as his own per Fla statue 61G15-27.001, signed and sealed by Kurt W. Heinrichs, P.E. *(Submitted under NOA No. 21-0722.07)*

G. OTHERS

 Notice of Acceptance No. 20-0408.02, issued to Sto Corporation for their StoTherm ci LM1177-18ga. EIFS System over GP 5/8" DensGlass and USG 5/8" Securock -L.M.I. & S.M.I., approved on 06/11/20 and expiring on 06/11/25.

Manuel Perez, P.E. Product Control Examiner NOA No. 25-0107.04 Expiration Date: June 11, 2030 Approval Date: February 06, 2025

2. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing titled. Sto Therm ci GMG LM for Large Missile Impact Resistance", sheets 1 through 6 of 6, prepared by manufacturer, dated 05/13/24, signed and sealed by William R. Heiden III, P.E.

B. TESTS

1. None.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. 23-0911.01, issued to Carpenter Company, for their Preformed Block Type EPS Insulation, approved on 12/07/23, and expiring on 04/11/27.

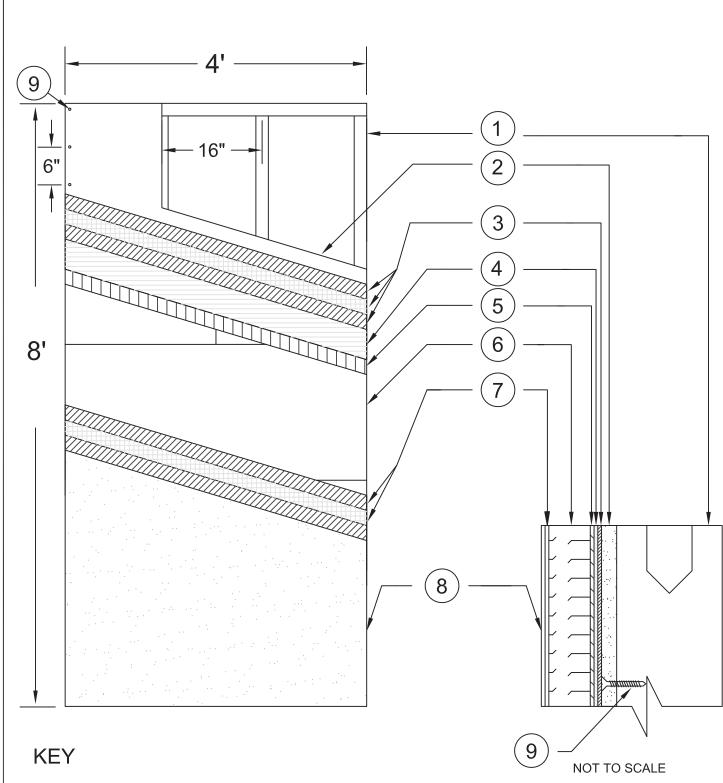
F. STATEMENTS

1. Statement of code conformance, complying to the **FBC 8th Edition (2023)**, dated October 21, 2024, issued by manufacturer, signed and sealed by William R. Heiden III, P.E.

G. OTHERS

 Notice of Acceptance No. 21-0722.07, issued to Sto Corporation for their StoTherm ci LM/SM 1177-18ga. EIFS System over GP 5/8" DensGlass and USG 5/8" Securock -L.M.I. & S.M.I., approved on 09/30/21 and expiring on 06/11/25.

Manuel Perez, P.E. Product Control Examiner NOA No. 25-0107.04 Expiration Date: June 11, 2030 Approval Date: February 06, 2025



- 1) 6" 18ga steel studs and track @ 16" O.C.
- 2) 5/8" ASTM C 1177 sheathing
- 3) Sto Armor Mat XX Mesh (20oz/yd²) and Sto Primer/Adhesive mixed with Portland cement 1:1 by volume
- 4) StoGuard with Sto Gold Coat
- 5) Sto Primer/Adhesive mixed with Portland cement 1:1 by volume
- 6) Sto Insulation Board @ minimum 2" thick
- 7) Sto Primer/Adhesive with Sto Mesh (4.5oz/yd²)embedded
- 8) Sto Textured Finishes/StoCast Finishes
- 9) #8 1-1/4" Wafer Head Self Drill Screws @ 6" O.C. in field and perimeter

Description

- 1.1 Substrates and Sto products approved with the system
- 1.1.1. ASTM C 1177 compliant sheathing over steel 6" 18ga studs @ 16" O.C. w/ 6" 18ga steel track. ASTM C 1177 compliant sheathing fastened to the steel studs with # 8 1-1/4" wafer head self drill screws @ 6" O.C. in field and perimeter.
- 1.1.2. All substrates approved under this Notice of Acceptance shall be designed by a Florida Professional Engineer or Registered Architect according to the current Florida Building Code and supplements. Provisions for diaphragm action are necessary for gypsum wall substrate and the deflection shall be limited to L/240 on all cases
- Components of the System/Application 1.2
- 1.2.1. Sto Armor Mat Mesh. Apply mixed Sto Primer/Adhesive by trowel to ASTM C 1177 compliant sheathing to a thickness of 1/8" and embed Sto Armor Mat XX (20oz/yd²) working from center to edge and allow to dry.
- 1.2.2. Sto Gold Coat A ready mixed flexible waterproof material applied to the dry Sto base coat via roller to approximately 10 wet mils.
- 1.2.3. Insulation Board Minimum 2" thick Board in compliance with ASTM C 578 type 1, 1lb cu ft density meeting the requirements of FBC 2612. Sto Insulation board supplier shall have a current NOA with Miami-Dade County. The Sto Primer/Adhesive mixed with Portland Cement 1:1 by volume is applied to the back of the insulation board using a 1/2" x 1/2" U shaped notched trowel. Uniform ribbons of adhesive are formed on the insulation board parallel to the short dimension of the board. Ribbons are oriented vertically when insulation is installed to provide drainage. The boards shall be placed, applying pressure in a running bond pattern with the long dimension horizontal and from a level base starting line. Butt all joints tightly to avoid thermal breaks. Adhesive should not get between joints.
- 1.2.4 Sto Mesh is embedded in the wet Sto base coat by troweling from the center of the mesh to the edges of the mesh and the excess Sto base coat is removed to provide a total minimum 1/16" thickness of the reinforced base coat. This process is repeated until the entire exposed area of the insulation board is covered with base coat and mesh which is then allowed to dry for a minimum of 12 hours.
- 1.2.5 Sto Textured Finishes/StoCast Finishes applied in accordance with manufacturer's published product instructions.

General Notes

- 1) This system has been designed in accordance with the current 2020 and 2023 Florida Building Code and the latest supplement(s).
- 2) This system has been tested in accordance with the Florida Building Code Test Protocols TAS-201, TAS-202, and TAS-203 Large Missile Impact Structural and Cyclic Testing.
- 3) This system shall be installed by a licensed plastering contractor following the recommendations of Sto Corp, this notice of acceptance and the applicable sections of the Florida Building Code.
- 4) The engineer and/or architect of record for each project using this system shall size all stud framing to ensure conformance with stud deflection and stress limitations as required by governing codes and this document.
- 5) Insulation boards shall be placed in a running bond pattern.
- 6) All studs used with this system shall be completely sheathed at the interior flange or bridged at maximum every 5 ft. of stud length or as specified by stud manufacturer.
- 7) All steel studs shall be structural with min 1-5/8" min. flange width and have minimum yield strength of 33000 PSI.
- covered by the typical details are the responsibility of the licensed design professional in consultation with Sto Corp.

PRODUCT REVISED

As complying with the Florida Building Code 25-0107.04 NOA-No.

Expiration Date: 06/11/2030 By: Manuel Peres

Miami-Dade Product Control

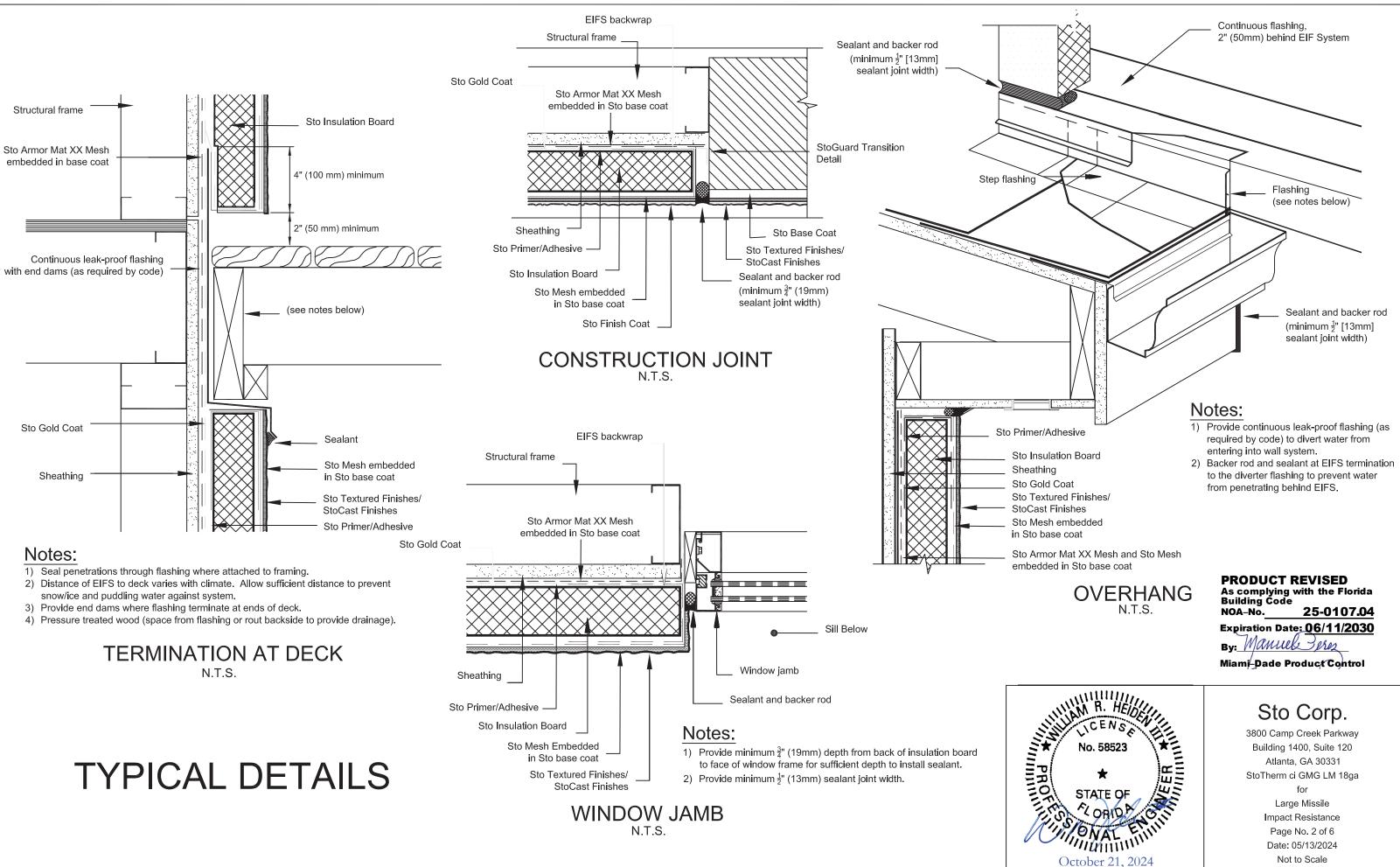
Sheathing (5/8" thickness)	PEI Report No.	Maximum Design Pressure (psf)
Georgia-Pacific DensGlass [®]	PEI# 2019-6336(A)	+/- 150
USG Securock [®]	PEI# 2019-6336(B)	+/- 140

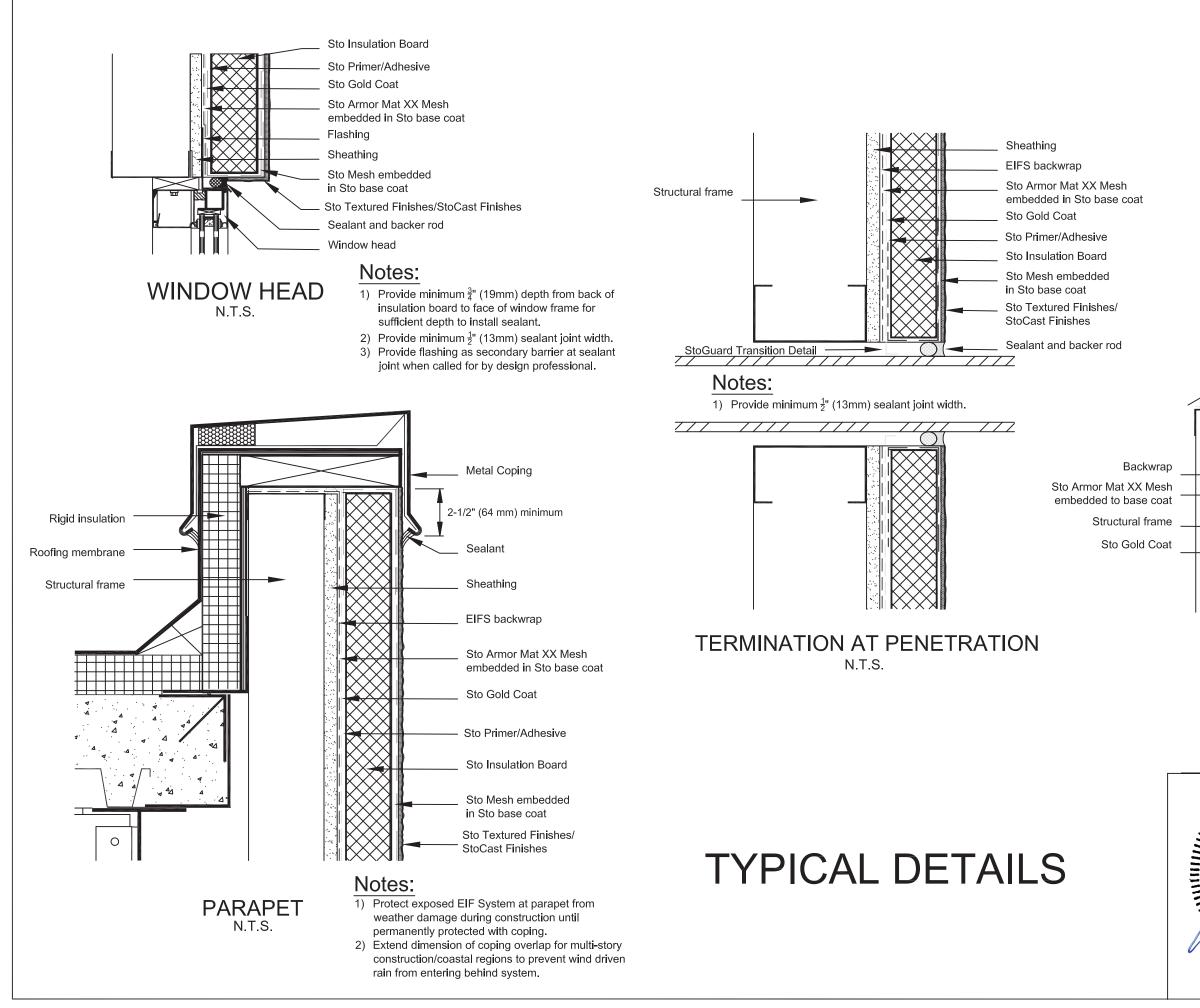
8) Details on page No. 2 and 3 are typical and show intent to prevent water infiltration into and behind the system. Alternate detailing and specific conditions not



Sto Corp.

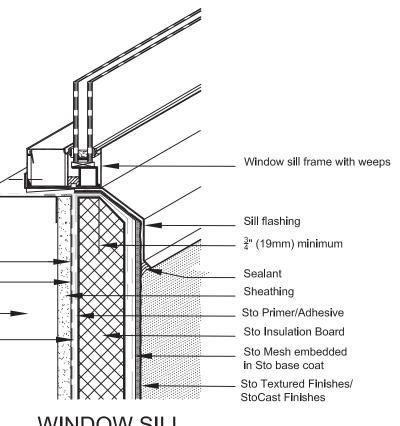
3800 Camp Creek Parkway Building 1400, Suite 120 Atlanta, GA 30331 StoTherm ci GMG LM 18ga for Large Missile Impact Resistance Page No. 1 of 6 Date: 05/13/2024 Not to Scale







- 1) Protect exposed EIF System at sill from weather damage during construction until permanently protected with sill flashing and sealant.
- 2) Pan up flashing @ jamb.



WINDOW SILL

PRODUCT REVISED As complying with the Florida Building Code NOA-No. 25-0107.04 Expiration Date: 06/11/2030 By: Manuel Street

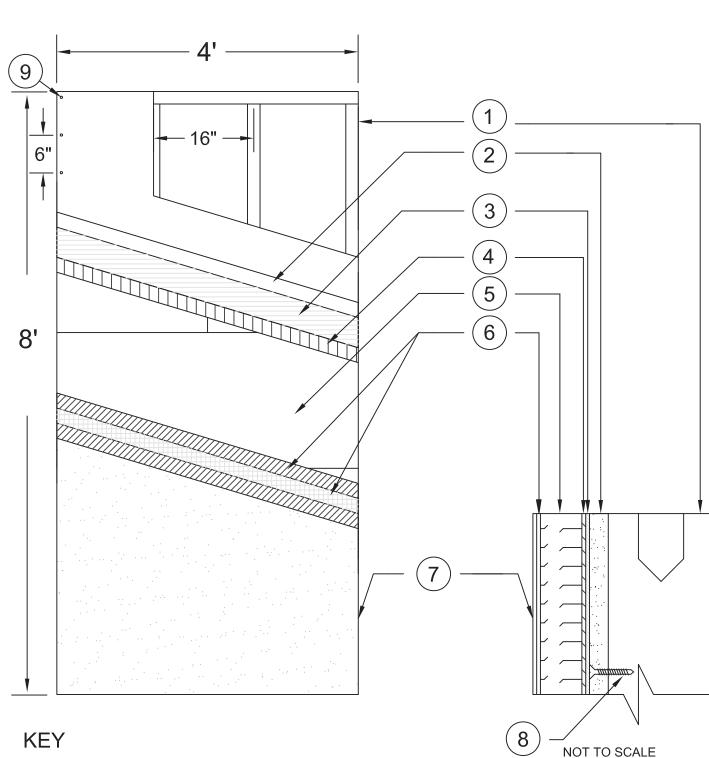
Miami-Dade Product Control



Sto Corp.

3800 Camp Creek Parkway Building 1400, Suite 120 Atlanta, GA 30331 StoTherm ci GMG LM 18ga for Large Missile Impact Resistance Page No. 3 of 6 Date: 05/13/2024

Not to Scale



- 1) 6" 18ga steel studs and track @ 16" O.C.
- 2) 5/8" ASTM C 1177 sheathing
- 3) StoGuard with Sto Gold Coat
- 4) Sto Primer/Adhesive mixed with Portland cement 1:1 by volume
- 5) Sto Insulation Board @ minimum 2" thick
- 6) Sto Primer/Adhesive with Sto Mesh (4.5oz/yd²)embedded
- 7) Sto Textured Finishes/StoCast Finishes
- 8) #8 1-1/4" Wafer Head Self Drill Screws @ 6" O.C. in field and perimeter

Sheathing (5/8" thickness)	PEI Report No.	Maximum Design Pressure (psf)
Georgia-Pacific DensGlass [®]	PEI# 2019-6336(A)	+/- 150
USG Securock [®]	PEI# 2019-6336(B)	+/- 140

Description

- 1.1 Substrates and Sto products approved with the system
- 1.1.1. ASTM C 1177 compliant sheathing over steel 6" 18ga studs @ 16" O.C. w/ 6" 18ga steel track. ASTM C 1177 compliant sheathing fastened to the steel studs with # 8 1-1/4" wafer head self drill screws @ 6" O.C. in field and perimeter.
- 1.1.2. All substrates approved under this Notice of Acceptance shall be designed by a Florida Professional Engineer or Registered Architect according to the current Florida Building Code and supplements. Provisions for diaphragm action are necessary for gypsum wall substrate and the deflection shall be limited to L/240 on all cases.
- Components of the System/Application 1.2
- 1.2.1. Sto Gold Coat A ready mixed flexible waterproof material applied to the dry Sto base coat via roller to approximately 10 wet mils.
- 1.2.2. Insulation Board Minimum 2" thick EPS in compliance with ASTM C 578 type 1, 1lb cu ft density meeting the requirements of FBC 2612. Sto Insulation board supplier shall have a current NOA with Miami-Dade County. The Sto Primer/Adhesive mixed with Portland Cement 1:1 by volume is applied to the back of the insulation board using a 1/2" x 1/2" U shaped notched trowel. Uniform ribbons of adhesive are formed on the insulation board parallel to the short dimension of the board. Ribbons are oriented vertically when insulation is installed to provide drainage. The boards shall be placed, applying pressure in a running bond pattern with the long dimension horizontal and from a level base starting line. Butt all joints tightly to avoid thermal breaks. Adhesive should not get between joints.
- 1.2.3 Sto Mesh is embedded in the wet Sto base coat by troweling from the center of the mesh to the edges of the mesh and the excess Sto base coat is removed to provide a total minimum 1/16" thickness of the reinforced base coat. This process is repeated until the entire exposed area of the insulation board is covered with base coat and mesh which is then allowed to dry for a minimum of 12 hours.
- 1.2.4 Sto Textured Finishes/StoCast Finishes applied in accordance with manufacturer's published product instructions.

General Notes

- 1) This system has been designed in accordance with the current 2020 and 2023 Florida Building Code and the latest supplement(s).
- 2) This system has been tested in accordance with the Florida Building Code Test Protocols TAS-201, TAS-202, and TAS-203 Large Missile Impact Structural and Cyclic Testing.
- 3) This system shall be installed by a licensed plastering contractor following the recommendations of Sto Corp, this notice of acceptance and the applicable sections of the Florida Building Code.
- 4) The engineer and/or architect of record for each project using this system shall size all stud framing to ensure conformance with stud deflection and stress limitations as required by governing codes and this document.
- 5) Insulation boards shall be placed in a running bond pattern.
- 6) All studs used with this system shall be completely sheathed at the interior flange or bridged at maximum every 5 ft. of stud length or as specified by stud manufacturer.
- 7) All steel studs shall be structural with min 1-5/8" min. flange width and have minimum yield strength of 33000 PSI.
- 8) Details on page No. 2 and 3 are typical and show intent to prevent water infiltration into and behind the system. Alternate detailing and specific conditions not covered by the typical details are the responsibility of the licensed design professional in consultation with Sto Corp.

PRODUCT REVISED As complying with the Florida Building Code 25-0107.04 NOA-No. Expiration Date: 06/11/2030 By: Manuel Peres

Miami-Dade Product Control



Sto Corp.

3800 Camp Creek Parkway Building 1400, Suite 120 Atlanta, GA 30331 StoTherm ci GMG SM 18ga for Small Missile Impact Resistance Page No. 4 of 6 Date: 05/13/2024 Not to Scale

