



**BUILDING CODE COMPLIANCE OFFICE (BCCO)  
PRODUCT CONTROL DIVISION**

**MIAMI-DADE COUNTY, FLORIDA  
METRO-DADE FLAGLER BUILDING  
140 WEST FLAGLER STREET, SUITE 1603  
MIAMI, FLORIDA 33130-1563  
(305) 375-2901 FAX (305) 375-2908**

**NOTICE OF ACCEPTANCE (NOA)**

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**Sto Corporation  
6175 Riverside Drive SW  
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 by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) 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 Division (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. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division 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: Sto Hurricane Impact System HI-G2**

**APPROVAL DOCUMENT:** Drawing No. Sto HI-G2, titled "Sto HI-G2 EIFS for Large Missile Impact Resistance", sheets 1 through 3 of 3, prepared by Sto Corporation, dated 12/10/00 with no revisions-, signed and sealed by R. N. Kenney P.E., bearing the Miami-Dade County Product Control renewal stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division.

**MISSILE IMPACT RATING: Large and Small Missile Impact**

**LABELING:** Each component shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved or MDCPCA", unless otherwise noted herein.

**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.

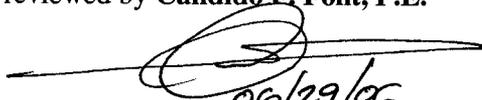
**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate 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 **renews NOA # 01-0312.04** and consists of this page, evidence page E1 as well as approval document mentioned above.

The submitted documentation was reviewed by **Candido E. Font, P.E.**

  
06/29/06



**NOA No 06-0510.03  
Expiration Date: July 19, 2011  
Approval Date: June 29, 2006**

**Sto Corporation.**

**NOTICE OF ACCEPTANCE: EVIDENCE PAGE**

**A DRAWING**

1. Drawing prepared by Sto Corporation titled "Sto HI-G2 EIFS for Large Missile Impact Resistance", drawing No. Sto HI-G2, Sheets 1 through 3 of 3, dated 12/10/2000, with no revisions, signed and sealed by R. N. Kenney, PE.

**B. TEST**

- 1 Test report on Large Missile Impact Test per PA 201, Cyclic Pressure Test per PA 203, Uniform Static Air Test, Air Infiltration Test, Water Leakage Test per PA 202 of "Sto HI-G2 EIFS, system for Large Missile Impact Resistance", prepared by Certified Testing Laboratories, Inc., report No. CTLA 599W, specimens 1, 2, 3 & 4, dated 12/19/2000, signed and sealed by R. Patel, PE.

**C. CALCULATIONS.**

- 1 Wind load calculations, sheets 1 through 3, framing calculations sheets 1 through 52 and Anchorage calculations sheets 1 through 4 for EIFS Wall systems, dated 01/09/01 through 02/09/01 prepared by Cerny & Ivey Engineering, Inc. signed and sealed by R. N. Kenney PE.

**D. QUALITY ASSURANCE.**

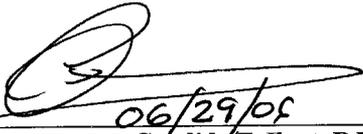
1. Building Code Compliance Office.

**E. MATERIAL CERTIFICATION**

- 1 Product Control Notice of Acceptance No. 98-0904.04 issued to Apache Products Company on 11/26/98 and expiring on 01/11/02.

**F. STATEMENTS.**

- 1 Engineering evaluation letter prepared by Cerny & Ivey Engineers, Inc. on 02/28/2001, signed and sealed R. N. Kenney, PE.
- 2 No change letter issued by Sto Corporation on 04/14/06 and signed by T. L. Viness PE.

  
06/29/06  
Candido F. Font, P.E.

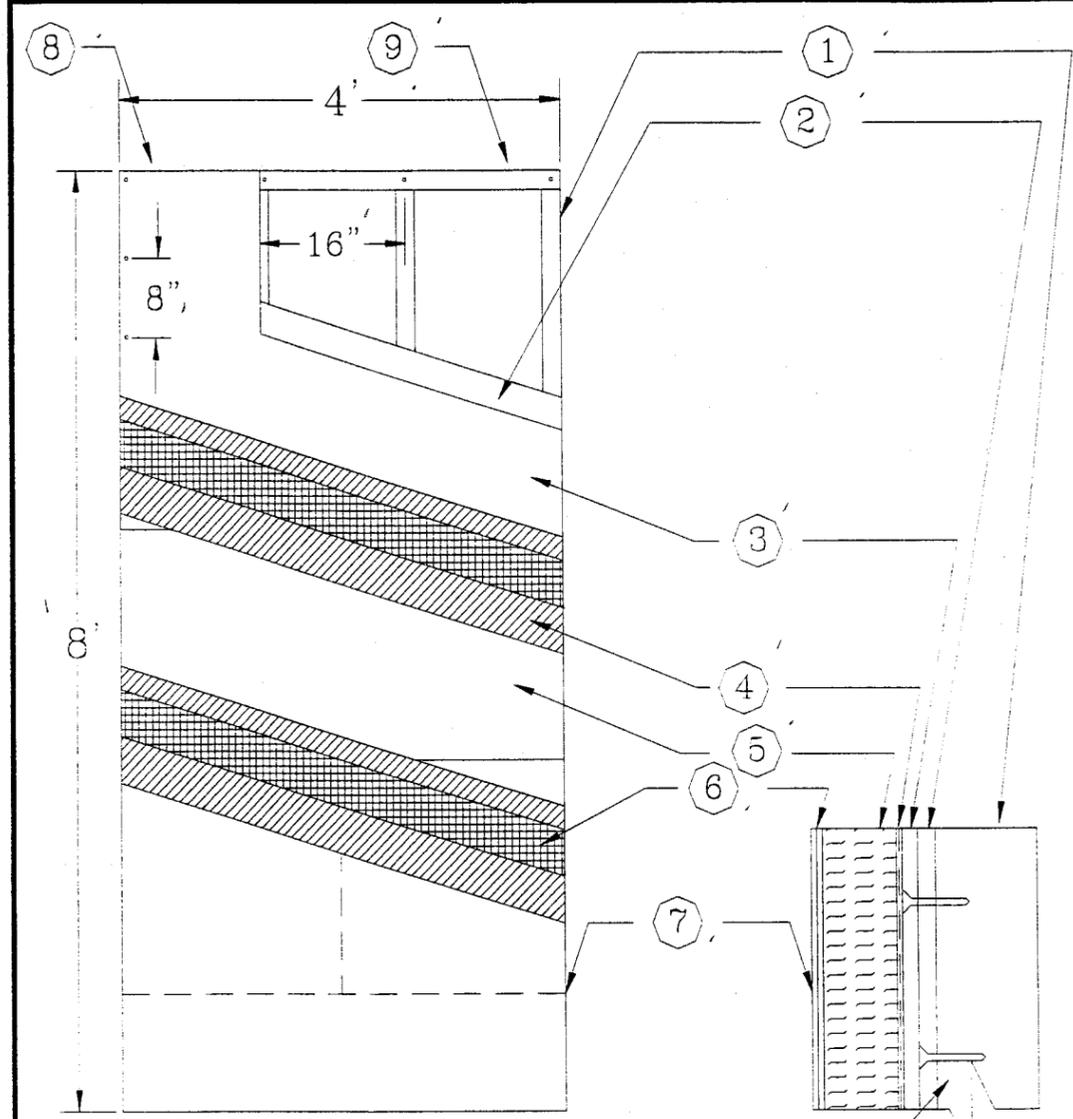
Senior Product Control Examiner  
NOA No 06-0510.03  
Expiration Date: July 19, 2011  
Approval Date: June 29, 2006

**DESCRIPTION**

- 1.1 Substrates approved with the system
  - 1.1.1. Minimum 3-5/8" x 1-5/8" x 18 ga. Steel studs @ 16" o.c. First layer of sheathing fastened with "sufficient" fasteners #6 x 1" drywall screws to hold it in place. Second layer fastened with minimum #6 x 1-5/8" type S-12 corrosion resistant bugle head fasteners 8" o.c. along vertical studs.
  - 1.1.2. Sto insulation (Apache) EPS Expanded Polystyrene insulation minimum 2" thick with a density of 1PCF as approved by Dade County NOA# 98-0904.04
  - 1.1.3. Sto Primer/Adhesive-B (No. 101) or Sto BTS-Plus (No.727) are polymer modified cement based materials used as adhesives and base coats in Sto systems
  - 1.1.4. Sto Intermediate (11.0 oz/sq. yd.) Mesh (No. 918) is a glass fiber fabric used for impact resistance of the Sto systems
  - 1.1.5. Sto textured finishes (No. 310, 306, and 307) are ready mixed acrylic-based exterior or interior textured finishes, used as decoration and protection with the Sto systems. Three (3) are available: Fine Sand, Medium Sand, and Swirl
- 1.2 Application
  - 1.2.1. The exposed gypsum surface is cleaned to remove any bond inhibiting particles from the surface of the gypsum.
  - 1.2.2. The Sto Primer/Adhesive-B or Sto BTS-Plus are mixed with 6-8 quarts of water using a clean rust free high speed electric drill and paddle. The mixture is allowed to set for approximately 5 minutes and then remixed to a uniform consistency. A 1/16" thick layer is applied to the exposed surface of the gypsum sheathing.
  - 1.2.3. The Sto Intermediate Mesh is embedded in the wet base coat by troweling from the center to the edges of the mesh and the excess base coat is removed. This process is repeated until the entire exposed area of the sheathing board is covered with mesh. The application is allowed to dry before proceeding to the next step.
  - 1.2.4. The Sto base coats are mixed as noted in 1.2.2. The mixture is applied to the back of the Sto (Apache) insulation board using a 1/2" x 1/2" U-notched trowel. Uniform ribbons of adhesive are formed on the Sto (Apache) insulation board parallel to the short dimension of the board.
  - 1.2.5. The Sto (Apache) insulation board minimum 2" thick is applied to the wall surface horizontally with staggered joints. Uniform pressure is applied to the insulation board to ensure proper adhesion to the surface. Once the entire surface of the wall is covered with the insulation board, it is left overnight to cure.
  - 1.2.6. The Sto base coats are mixed as noted in 1.2.2. A 1/16" thick layer is applied to the exposed surface of the STO (Apache) insulation board using a stainless steel trowel.
  - 1.2.7. Sto Intermediate Mesh is embedded in the wet base coat by troweling from the center to the edges of the mesh and the excess base coat is removed. This process is repeated until the entire exposed area of the insulation board is covered with mesh. Once covered, it is allowed to dry for a minimum of 12 hours.
  - 1.2.8. Once the mesh reinforcing coats are dry and cured, a minimum 1/16" coat of Sto textured finish is applied to the entire surface.

**GENERAL NOTES:**

- 1) This system has been designed in accordance with the South Florida Building Code 1994 Edition and its latest supplements.
- 2) This system has been tested in accordance with the Dade County Protocol PA-201, PA-202 and PA-203 Impact, Structural and Cyclic Testing.
- 3) This System shall be applied by a licensed plastering contractor following the recommendations of Sto Corp, this notice of acceptance and the applicable sections of the South 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 1-5/8" min. flange width and have minimum yield strength of 33000 PSI.
- 8) Details on sheets 2 and 3 of 3 are typical and show intent to prevent water infiltration into and behind this system. Alternate detailing and specific conditions not covered by the typical details are the responsibility of the licensed design professional in consultation with Sto Corporation.



**KEY:**

- 1. 3-5/8" 18ga. Steel Studs @ 16" o.c.
- 2. 5/8" Exterior Grade Gyp Sheathing (ASTM C79)
- 3. 5/8" Exterior Grade Gyp Sheathing (ASTM C79)
- 4. Sto Primer/Adhesive-B (No. 101) or Sto BTS-Plus (No.727) with Sto Intermediate Mesh (No. 918) embedded (11.0 oz/sq. yd.)
- 5. EPS Board @ minimum 2" Thick & 1 PCF by Apache
- 6. Sto Primer/Adhesive-B (No. 101) or Sto BTS-Plus (No.727) with Sto Intermediate Mesh (No. 918) embedded (11.0 oz/sq. yd.)
- 7. Sto Textured Finish (No. 310, 306, and 307)
- 8. Fasteners: First layer of sheathing fastened with "sufficient" #6 x 1" drywall screws to hold it in place. Second layer fastened with minimum #8 or #6 x 1-5/8" type S-12 corrosion resistant bugle head fasteners @ 8" o.c. along vertical studs.
- 9. U Channel on head & sill secured to vertical studs with 1/2" SMS inboard & outboard.

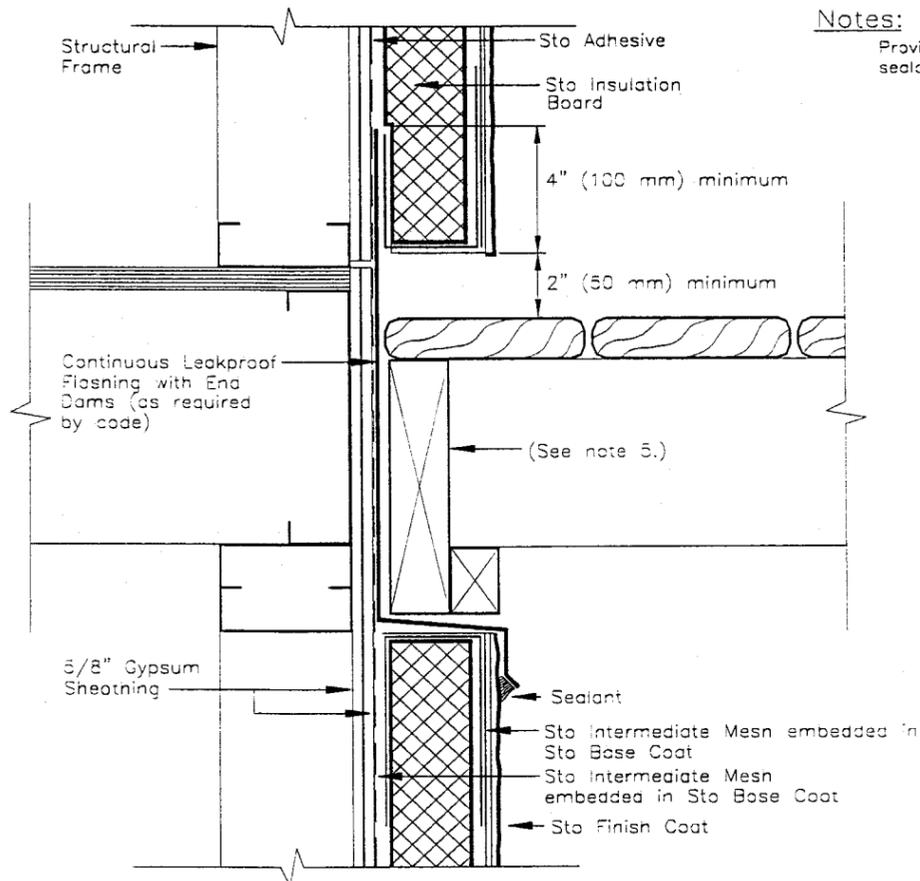
JUL 19 2001  
 06-0312.04

**Design Pressure Rating**  
**+125/-125 PSF with # 8 Fastener**  
**Large Missile**  
**Impact Resistance**

5220 PEACOCK PARKWAY, NORCROSS, GA 30092  
 (770) 442-8822 FAX (770) 442-1162

6/24/01  
 Miami Dade Product Control Division

**Sto Corp.**  
 3800 Camp Creek Parkway  
 Building 1400, Suite 120  
 Atlanta, Ga. 30331  
 Sto HI-G2 EIFS  
 for  
**Large Missile Impact Resistance**  
 Drawing no. Sto HI-G2  
 Page No. 1 of 3  
 Date: 12/10/2000  
 Not to Scale

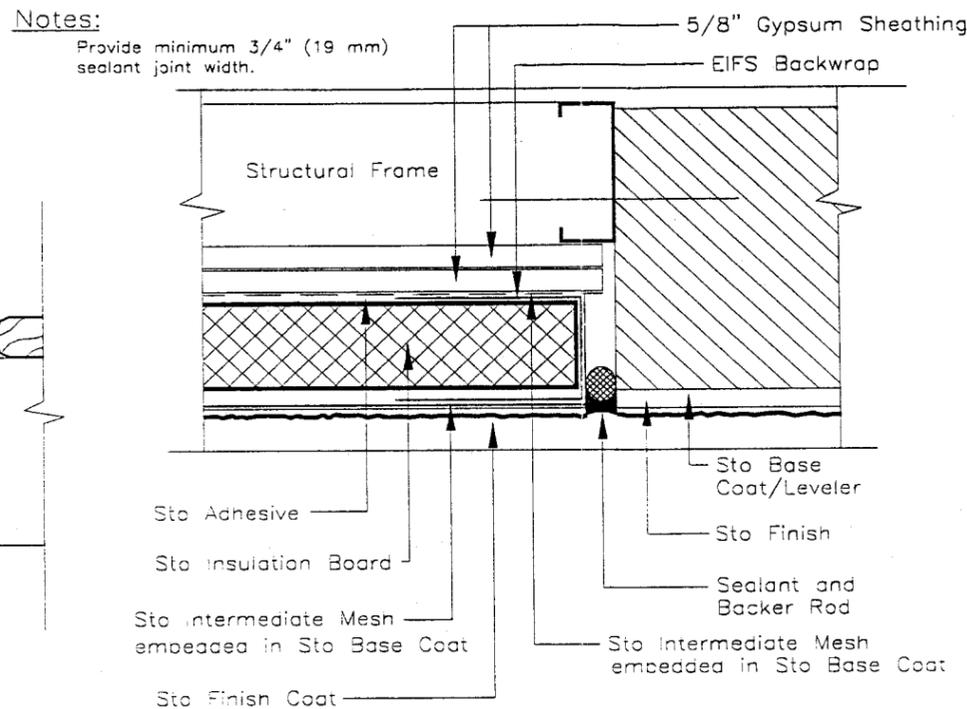


**TERMINATION AT DECK**  
N.T.S.

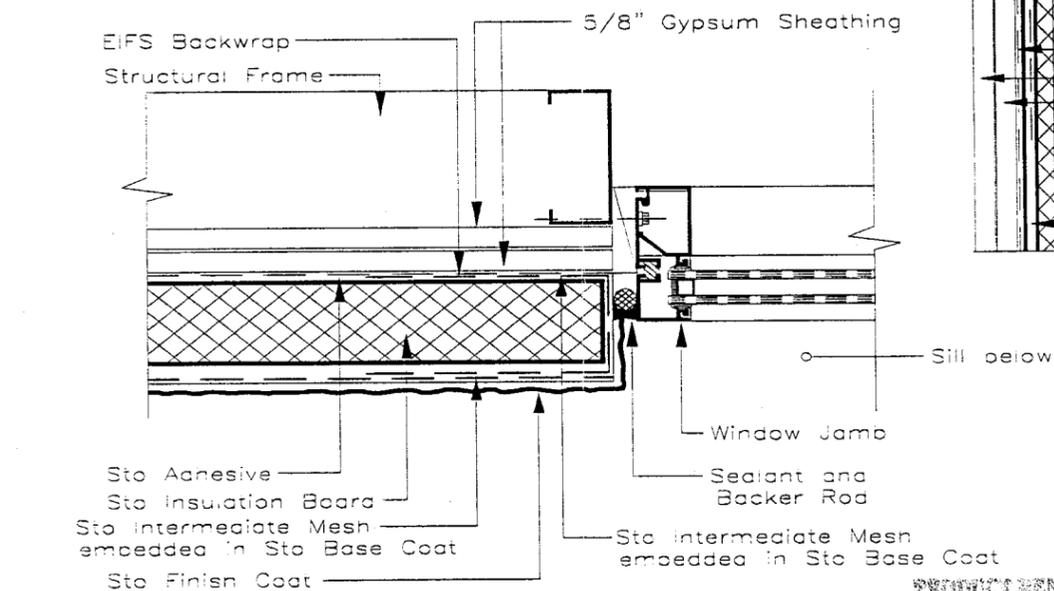
**Notes:**

1. Gap wood sheathing edge and end joints in accordance with APA (American Plywood Association) recommendations.
2. Seal penetrations through flashing where attached to framing.
3. Distance of EIFS to deck varies with climate. Allow sufficient distance to prevent snow/ice and puddling water against system.
4. Provide end dams where flashings terminate at ends of deck.
5. Pressure treated wood (space from flashing or rout backside to provide drainage).

**TYPICAL DETAILS**



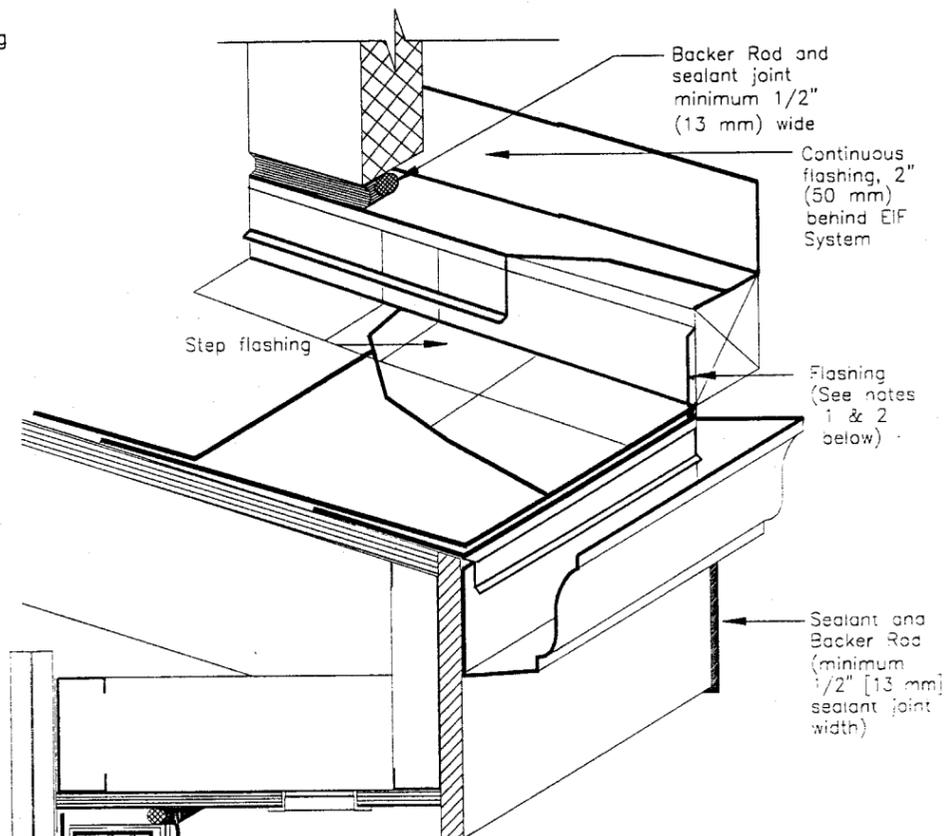
**CONSTRUCTION JOINT**  
N.T.S.



**Notes:**

1. Provide minimum 3/4" (19 mm) depth from back of insulation board to face of window frame for sufficient depth to install sealant.
2. Provide minimum 1/2" (13 mm) sealant joint width.

**WINDOW JAMB**  
N.T.S.



**OVERHANG**  
N.T.S.

**Notes:**

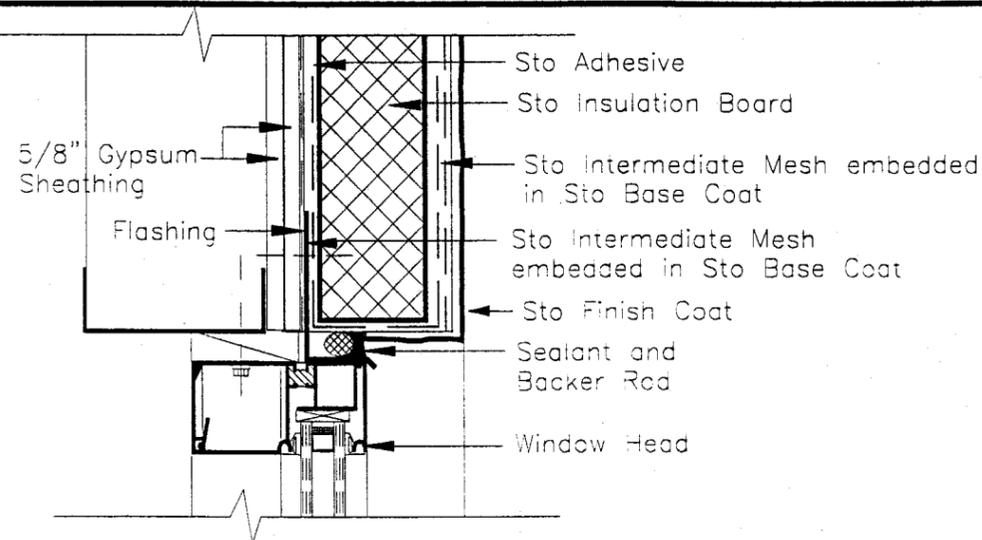
1. Provide continuous eakproof flashing (as required by code) to divert water from entering into wall system.
2. Seal EIFS termination to the diverter flashing to prevent water from penetrating behind EIFS.

APPROVED FOR SUBMITTAL  
DATE: JUL 19 2001  
BY: [Signature]

REVISIONS  
AS CORRECTED BY THE FLORIDA  
BUILDING CODE  
EXPLANATION: 06-051003  
07/19/01  
BY: [Signature]  
MINOR DATA CORRECTIONS

**GERNY & IVEY ENGINEERS, INC.**  
CONSULTING ENGINEERS TESTING LABORATORY  
2880 PEACOCK PARKWAY, NORCROSS, GA 30092  
7701-468-8828 FAX 7701-288-1169

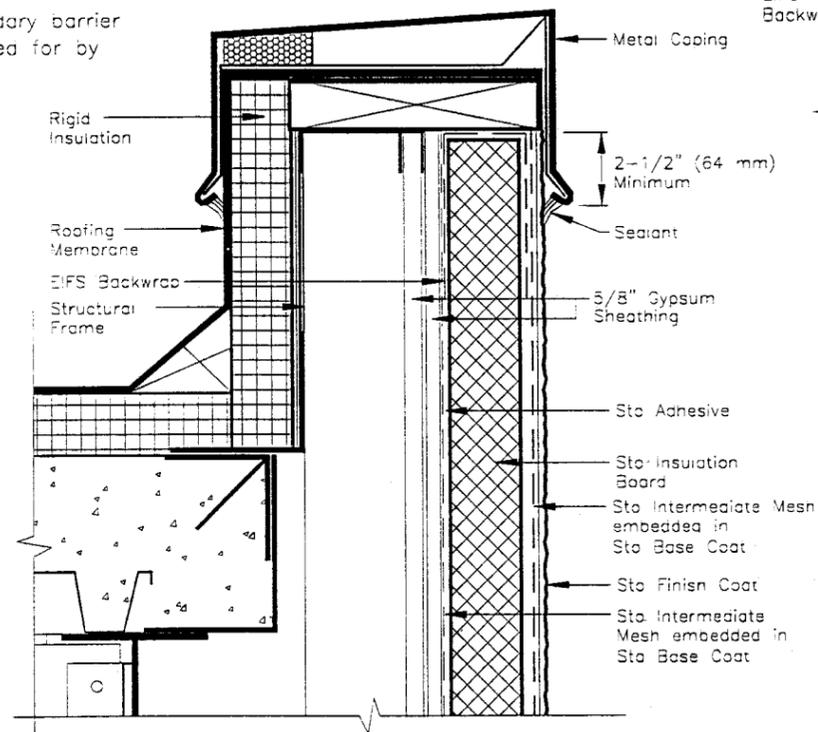
DI-0312.04  
**Sto Corp.**  
3800 Camp Creek Parkway  
Building 1400, Suite 120  
Atlanta, Ga. 30331  
Sto HI-G2 EIFS  
for  
Large Missile Impact Resistance  
Drawing no. Sto HI-G2  
Page No. 2 of 3  
Date: 12/10/2000  
Not to Scale



**Notes:**

1. Provide minimum 3/4" (19 mm) depth from back of insulation board to face of window frame for sufficient depth to install sealant.
2. Provide minimum 1/2" (13 mm) sealant joint width.
3. Provide flashing as secondary barrier at sealant joint when called for by design professional.

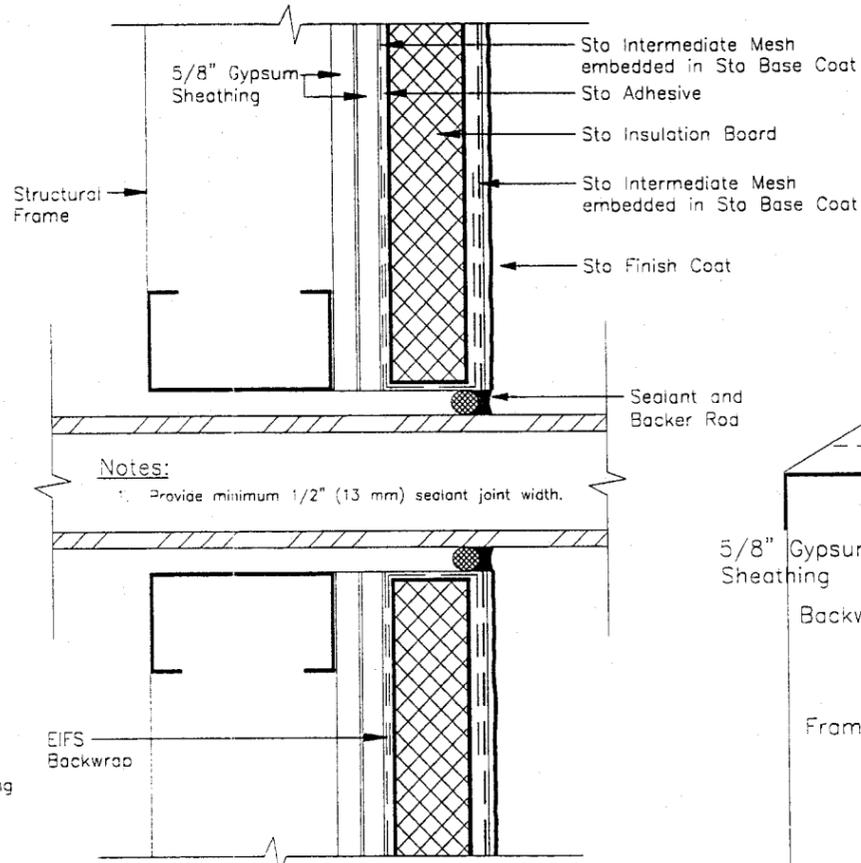
**WINDOW HEAD**  
N.T.S.



**Notes:**

1. Protect exposed EIF System at parapet from weather damage during construction until permanently protected with coping.
2. Extend dimension of coping overlap for multi-story construction/coastal regions to prevent wind driven rain from entering behind system.

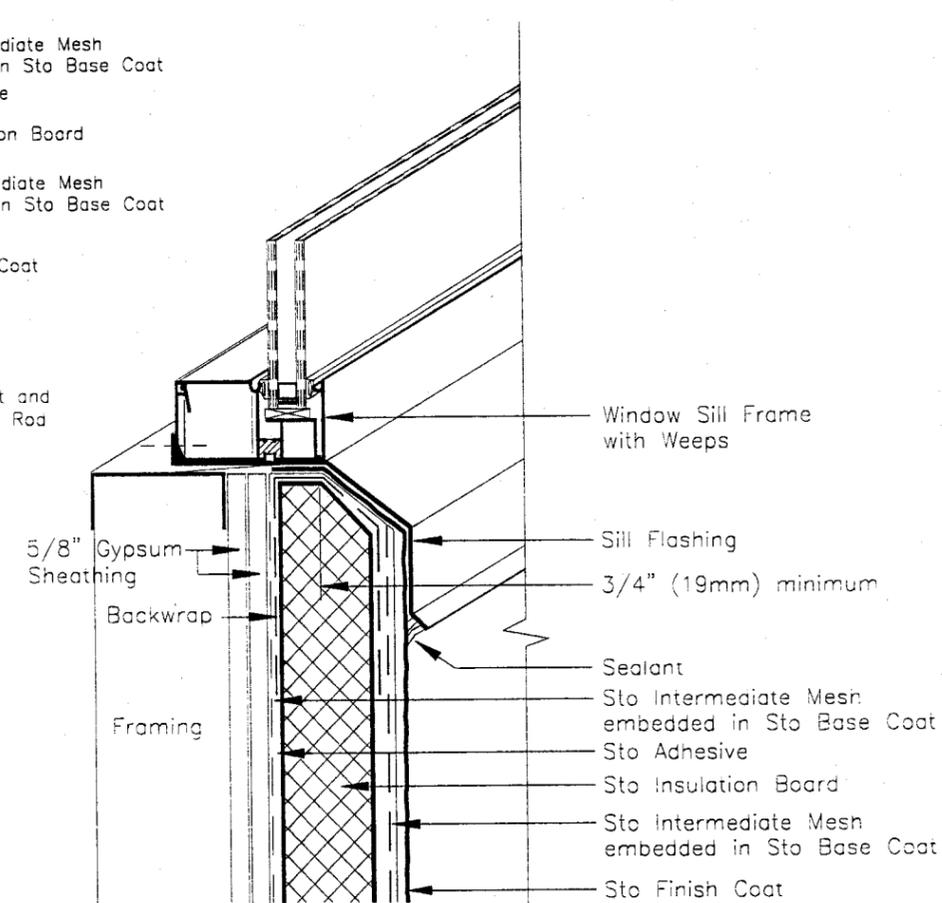
**PARAPET**  
N.T.S.



**Notes:**

1. Provide minimum 1/2" (13 mm) sealant joint width.

**TERMINATION AT PENETRATION**  
N.T.S.



**Notes:**

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

**WINDOW SILL**  
N.T.S.

**TYPICAL DETAILS**

CONFORMS WITH THE  
INTERNATIONAL BUILDING CODE  
JUL 19 2001  
APPROVED BY THE  
ATLANTA POLICE OFFICE  
01-0312.04

PROPERTY MARKED  
As a copy with the Florida  
Building Code  
Approved by the  
06-0510.03  
07/19/11  
By  
William Wade Product Control  
Division

**CERNY & IVEY ENGINEERS, INC.**  
CONSULTING ENGINEERS TESTING LABORATORY  
1280 PEACHTREE PARKWAY, NORCROSS, GA 30092  
7701-645-8338 • FAX 7701-325-1143

*Robert Kenney*  
C/rep

**Sto Corp.**  
3800 Camp Creek Parkway  
Building 1400, Suite 120  
Atlanta, Ga. 30331  
Sto HI-G2 EIFS  
for  
Large Missile Impact Resistance  
Drawing no. Sto HI-G2  
Page No. 3 of 3  
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