



**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. S.W.  
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 HI-PLY Exterior Insulation and Finish System.**

**APPROVAL DOCUMENT:** Drawing No. Sto HI-CM3, Sheets 1 through 3 of 3, titled "Sto HI-CM EIFS over CMU for Large Missile Impact Resistance" dated 11/03/00, with no revisions, prepared by Cerny & Ivey Engineering, Inc. signed and sealed by C. B. Shiver PE., bearing the Miami-Dade County Product Control renewal stamp with the NOA number and expiration date by the Miami-Dade County Product Control Division.

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

**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.

**LIMITATIONS:** This system is not to be used on horizontal surfaces exposed to weather except as a soffit, it is intended to be used on wall systems only.

**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 its termination and removal.

**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 renews NOA # 00-1206.02 and consists of this page, evidence page as well as the approval document mentioned above.

The submitted documentation was reviewed by **Candido E. Font PE.**

*[Handwritten signature]*  
02/16/06



**NOA No: 05-0921.07  
Expiration Date: January 08, 2007  
Approval Date: February 16, 2006  
Page 1**

**Sto Corporation.**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A DRAWING**

1. Drawing prepared by Sto Corporation titled "Sto Hi-CM EIFS over CMU for Large Missile Impact Resistance", drawing No. Sto Hi-CM-3, Sheets 1 through 3 of 3, dated 11/03/2000, with no revisions, signed and sealed by C. R. Shiver, PE.

**B TEST**

- 1 Test report on Structural Test, Air Infiltration Test, Water Leakage Test per PA 202 and Cyclic Pressure Test per PA 203, of "R-wall Class PB EIF System over CMU Block Wall", prepared by Hurricane Test Laboratory, Inc., report No. 0064-0307-97 Specimens 1, 2, 3 & 4, dated 03/13/97, signed and sealed by T. S. Marshall PE.
- 2 Test report on Adhesion Test per ASTM C297 of "R-Wall System" over Gypsum sheathing, Concrete and Concrete Masonry Unit", prepared by United States Testing Company, Inc., report # 185877-3, dated 02/04/92 signed and sealed by R. C. Smith PE.

**C CALCULATIONS.**

N/A

**D QUALITY ASSURANCE**

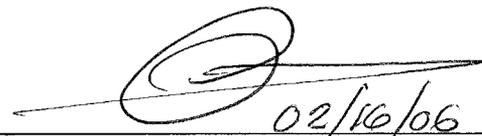
1. Building Code Compliance Office.

**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.

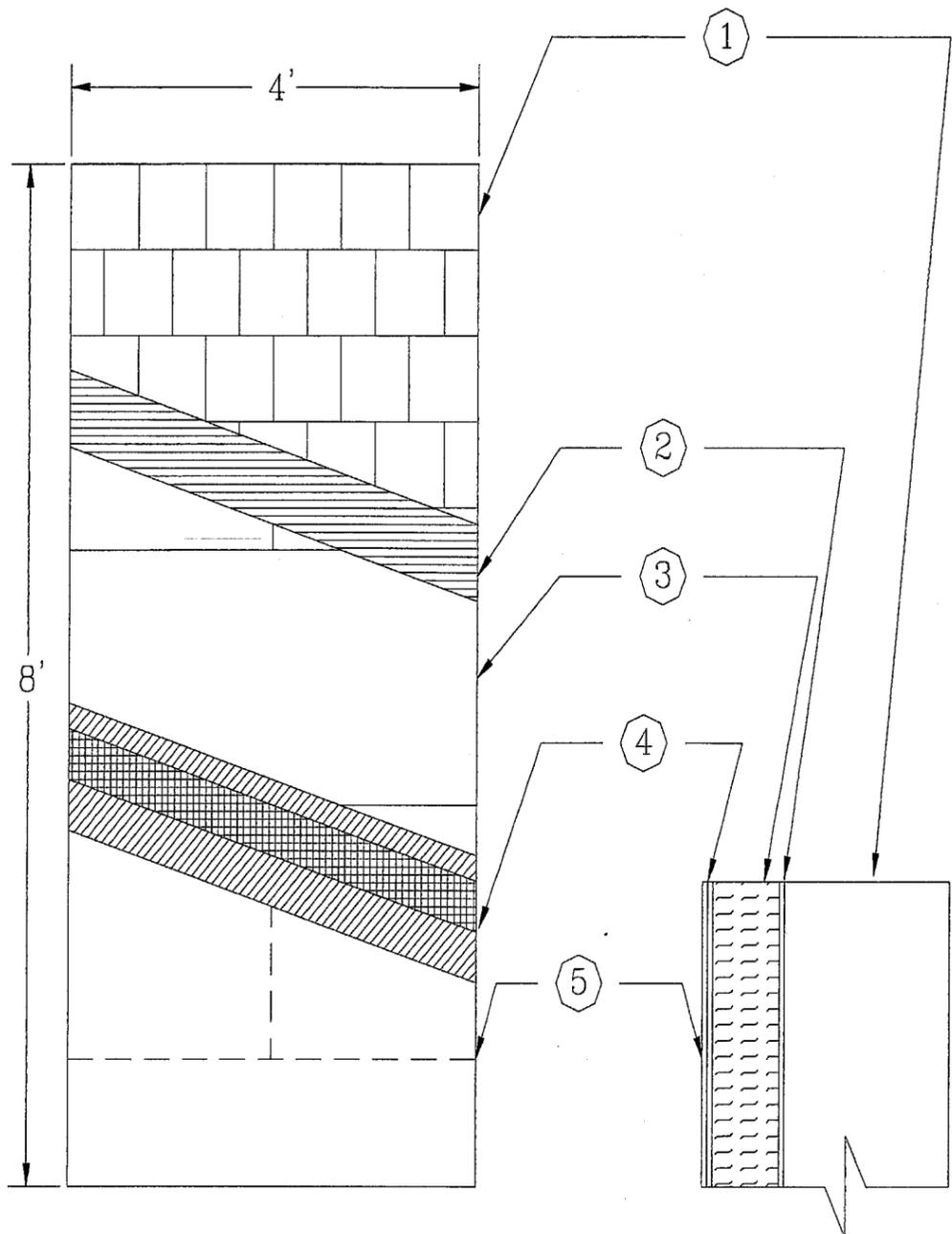
**F STATEMENTS.**

- 1 Test compliance letter issued by Hurricane Test Laboratory, Inc. on 06/05/97, signed and sealed by T. S. Marshall, PE.
- 2 Code compliance letter issued by Cerny & Ivey Engineers, Inc., dated 11/25/97, signed and sealed by A. C. Ivey, PE.
- 3 No financial interest letter issued by Cerny & Ivey Engineers, Inc., dated 11/04/97, signed by A. C. Ivey and notarized by S. S. Mendoza.
- 4 One year approval acceptance letter issued by Product Control Division on 10/18/05, signed by C. F. Font and accepted by T. L. Viness.



02/16/06

**Candido F. Font PE.**  
**Sr. Product Control Examiner**  
**NOA No: 05-0921.07**  
**Expiration Date: January 08, 2007**  
**Approval Date: February 16, 2006**



**DESCRIPTION**

- 1.1 Sto Exterior Insulation and Finish System
  - 1.1.1. Sto ( Apache) EPS Expanded Polystyrene insulation 1" thick with a density of IPCF as approved by Dade County NOA# 98-0904.04
  - 1.1.2. Sto Primer/Adhesive -B (No. 101) is a polymer modified cement based material used as an adhesive and base coat in R-Wall systems
  - 1.1.3. Sto mesh (No. 920) a glass fiber fabric used for impact resistance of the Sto systems
  - 1.1.4. 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 CMU surface is cleaned to remove any bond inhibiting particles from the application surface.
  - 1.2.2. The Sto Primer /Adhesive-B is mixed with 7-9 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. The adhesive is applied to the back of the Sto (Apache) insulation board using a 5/8" x 5/8" square notched trowel. Uniform ribbons of adhesive are formed on the Sto (Apache) insulation board parallel to the long dimension of the board.
  - 1.2.3. The Sto (Apache) insulation board 1" thick is applied to the CMU surface horizontally with staggered joints. Uniform pressure is applied to the insulation board to ensure proper adhesion to the CMU surface. Once the entire surface of the CMU is covered with the insulation board it is left overnight to cure.
  - 1.2.4. The Sto Primer /Adhesive-B is mixed with 7-9 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 1/8" thick layer is applied to the exposed surface of the STO (Apache) insulation board using a stainless steel trowel.
  - 1.2.5. Sto mesh is embedded in the wet Primer/Adhesive-B by troweling from the center to the edges of the mesh and the excess 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.
  - 1.2.6. Once the mesh reinforcing coat is dry and cured, a minimum 1/16" coat of Sto textured finish is applied to the entire surface.
  - 1.2.7. This system shall be applied by a Dade County licensed plastering contractor, certified registered trained and monitored by Sto Corp., following the recommendations of the manufacturer, this NOA, and all applicable sections of the South Florida Building Code.
  - 1.2.8. This product is approved to be installed for a maximum design pressure of -100 PSF. Its application cannot exceed that pressure.

**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-202 and PA-203 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 design the concrete block wall 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 concrete masonry units shall conform to ASTM C-90 and Type-S mortar per ASTM C-270.
- 8) Details on page No. 2 and 3 of 3 are typical and show intent to prevent water infiltration into and behind the system. Alternate details and specific conditions not covered by the typical details are the responsibility of the licensed design professional in consultation with Sto Corp.

- KEY:**
- 1. Nominal 8" Hollow Core Concrete Blocks
  - 2. Sto Primer/Adhesive-B
  - 3. EPS Board @ 1" Thick
  - 4. Sto Primer/Adhesive-B with Sto Mesh Embedded
  - 5. Sto Textured Finish

**Impact Resistant Substrates**  
 The minimum standards for CBS impact systems are: concrete masonry units (ASTM C-90) with Type S mortar (ASTM C-270) built according to the design of the Engineer or Architect of record per the requirements of the South Florida Building Code and the job specifics.

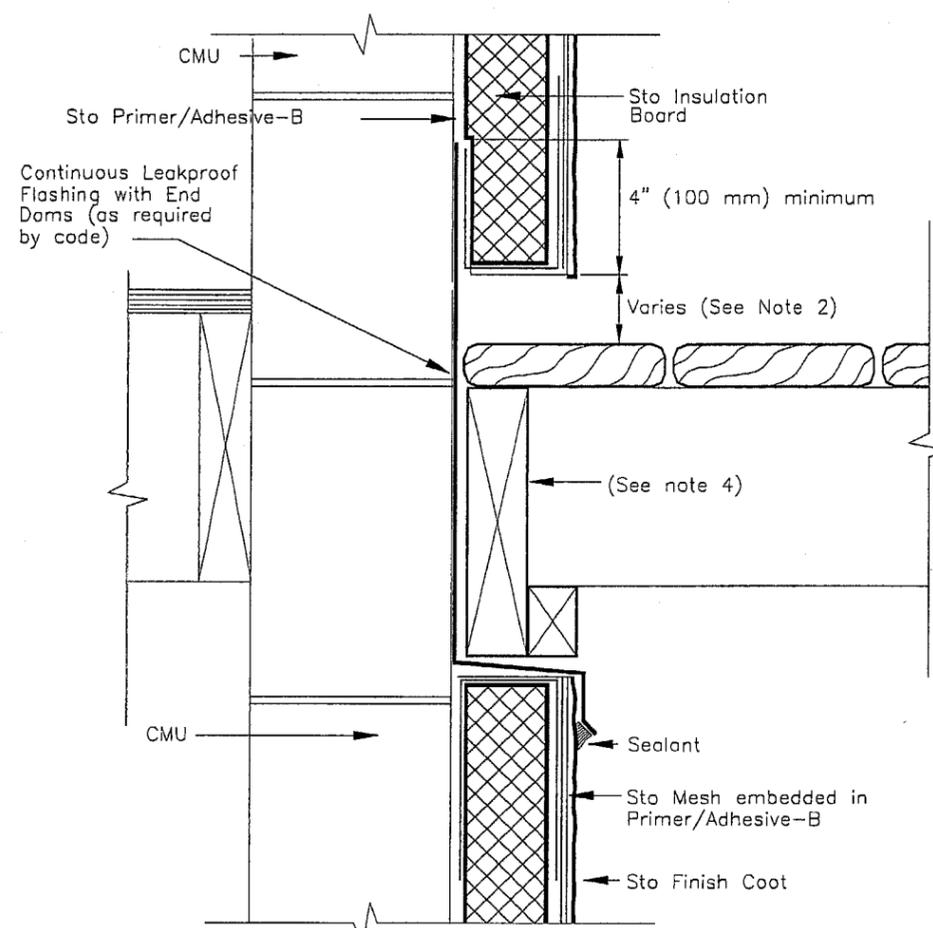
**PRODUCT RENEWED**  
 as complying with the Florida Building Code  
 Acceptance No. 05-0921.07  
 Expiration Date 01/08/07  
 By   
 Miami Dade Product Control Division

**Design Pressure Rating**  
**- 100 PSF**  
**Installed over**  
**Impact Resistant Substrate**

APPROVED AS COMPLYING WITH THE  
 SOUTH FLORIDA BUILDING CODE  
 DATE February 08, 2001  
 BY   
 PRODUCT CONTROL DIVISION  
 BUILDING CODE COMPLIANCE OFFICE  
 ACCEPTANCE NO. 00-1206.02

**GERNY & IVEY ENGINEERS, INC.**  
 CONSULTING ENGINEERS TESTING LABORATORY  
 8800 PHAENOMENON PARKWAY, NORCROSS, GA 30092  
 (770) 446-2828 • FAX (770) 256-1140

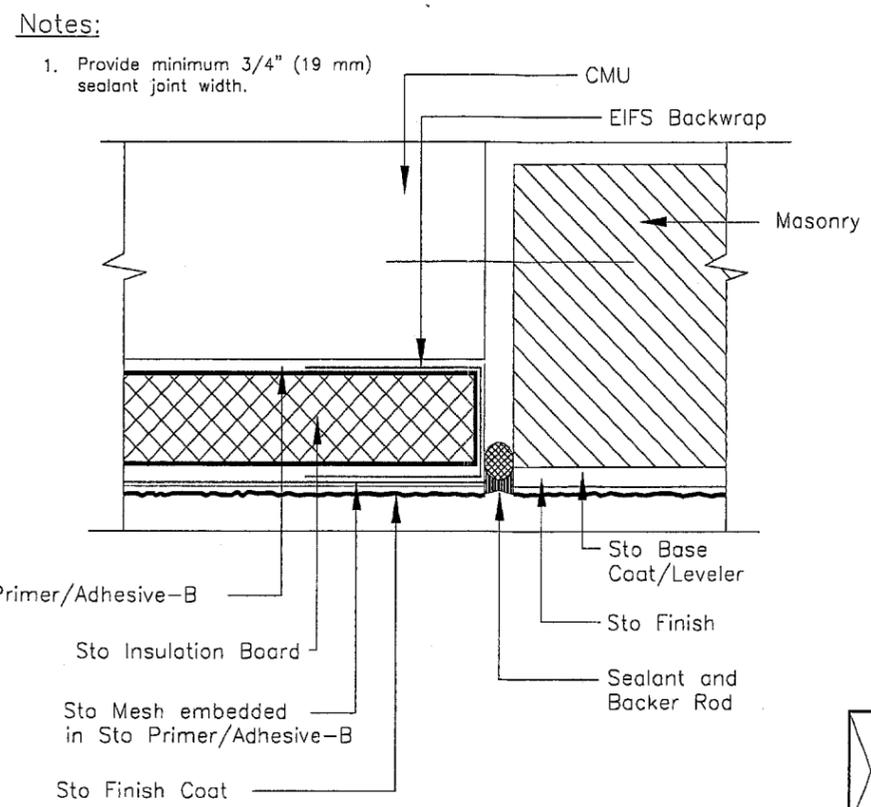
**Sto Corp.**  
 3800 Camp Creek Parkway  
 Building 1400, Suite 120  
 Atlanta, Ga. 30331  
 Sto HI-CM EIFS  
 Over CMU  
 for  
**Large Missile Impact Resistance**  
 Drawing no. Sto HI-CM-3  
 Page No. 1 of 3  
 Date: 11/03/2000  
 Not to Scale



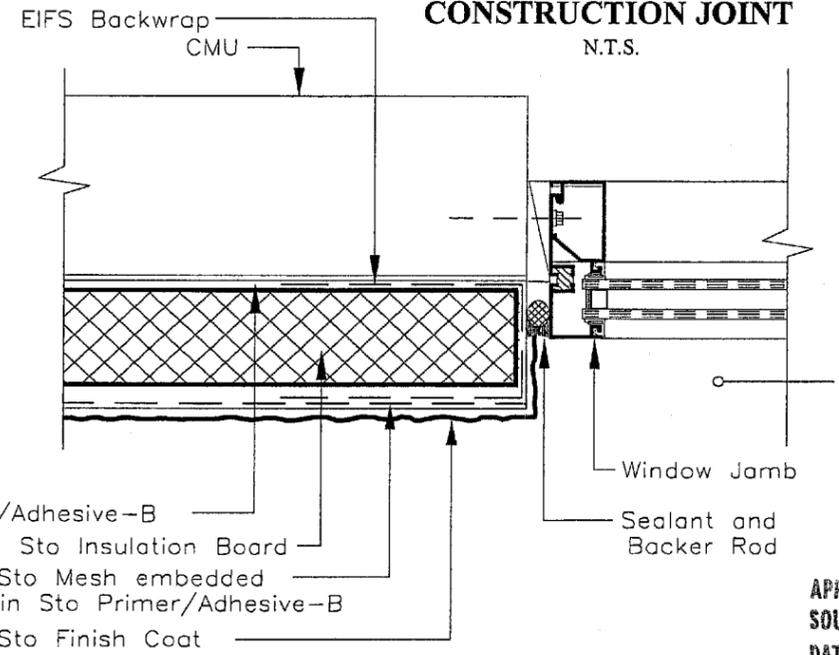
- Notes:**
1. Seal penetrations through flashing where attached to CMU.
  2. Distance of EIFS to deck varies with climate. Allow sufficient distance to prevent snow/ice and puddling water against system.
  3. Provide end dams where flashings terminate at ends of deck.
  4. Pressure treated wood (space from flashing or raut backside to provide drainage).

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

**TYPICAL DETAILS**

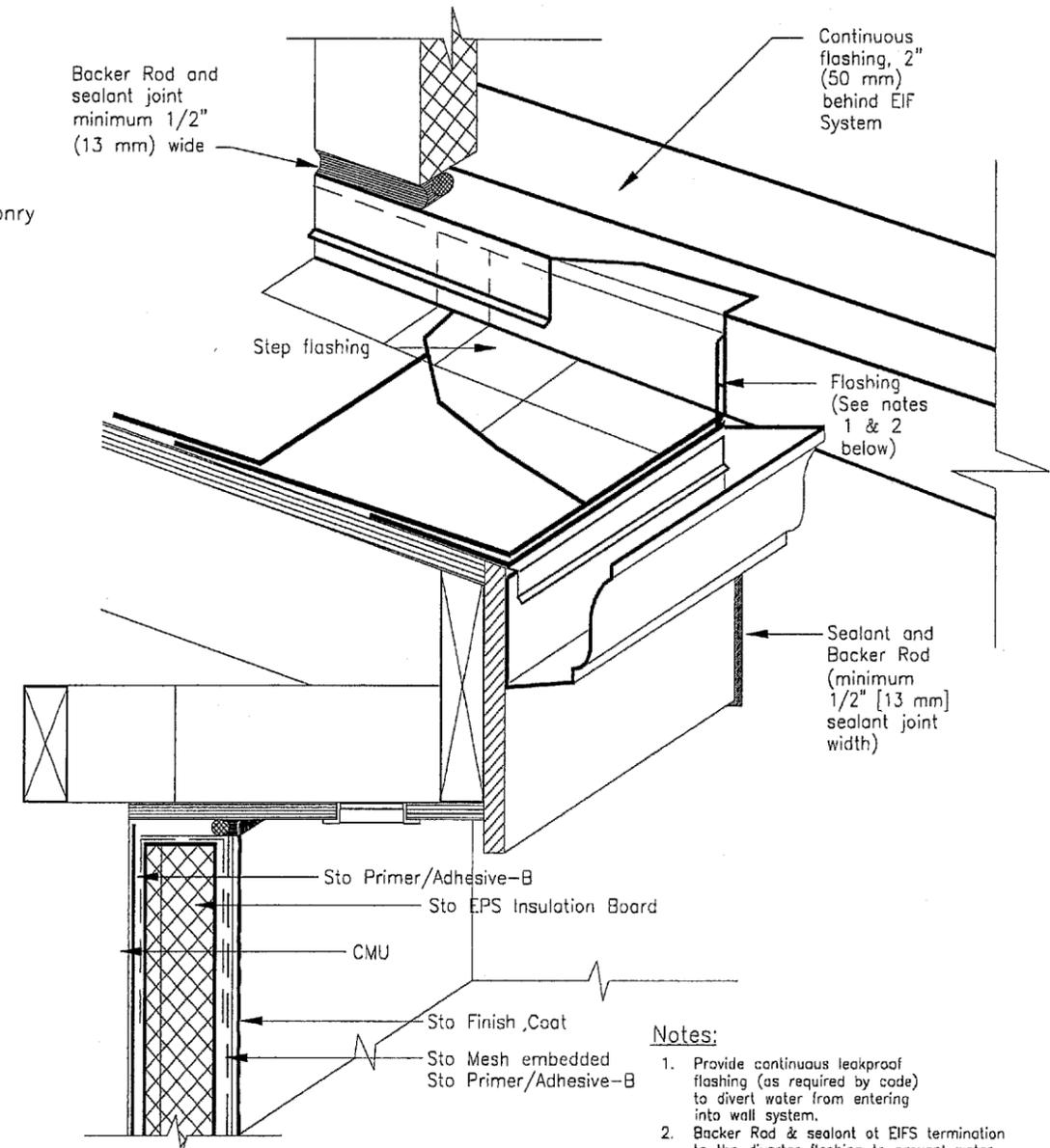


**CONSTRUCTION JOINT**  
N.T.S.



- 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 leakproof flashing (as required by code) to divert water from entering into wall system.
  2. Backer Rod & sealant at EIFS termination to the diverter flashing to prevent water from penetrating behind EIFS.

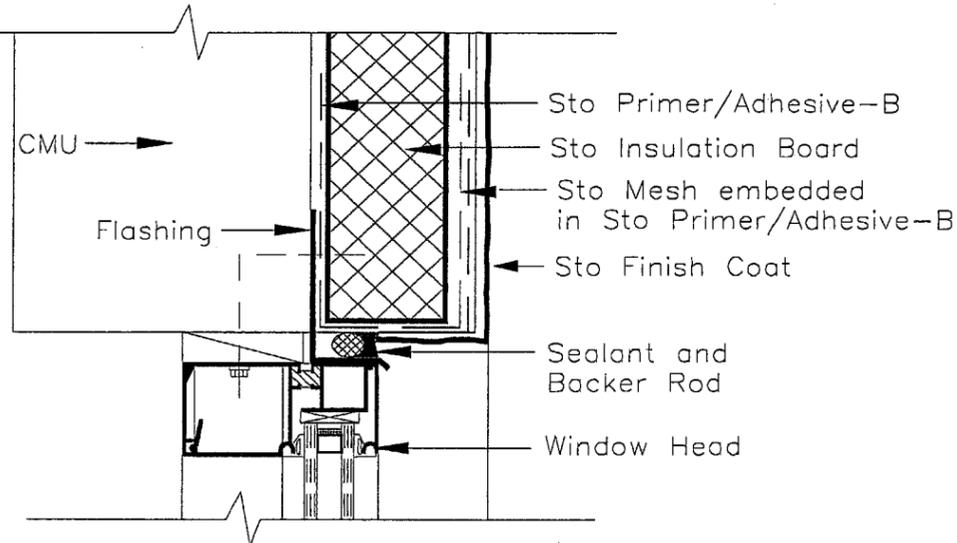
PRODUCT RENEWED  
as complying with the Florida  
Building Code  
Acceptance No. 05-092107  
Expiration Date 01/05/107  
By *[Signature]*  
Miami Dade Product Control  
Division

APPROVED AS COMPLYING WITH THE  
SOUTH FLORIDA BUILDING CODE  
DATE February 08, 2001  
BY *[Signature]*  
PRODUCT CONTROL DIVISION  
BUILDING CODE COMPLIANCE OFFICE  
ACCEPTANCE NO. 00-1206.02

**GERNY & IVEY ENGINEERS, INC.**  
CONSULTING ENGINEERS TESTING LABORATORY  
2222 PEACHTREE PARKWAY, NORCROSS, GA 30092  
1770-642-8222 • FAX 1770-282-1102

*[Signature]*

**Sto Corp.**  
3800 Camp Creek Parkway  
Building 1400, Suite 120  
Atlanta, Ga. 30331  
Sto Hi-CM PB EIF  
Over CMU  
for  
Large Missile Impact Resistance  
Drawing no. Sto Hi-CM-3  
Page No. 2 of 3  
Date: 11/03/2000  
Not to Scale

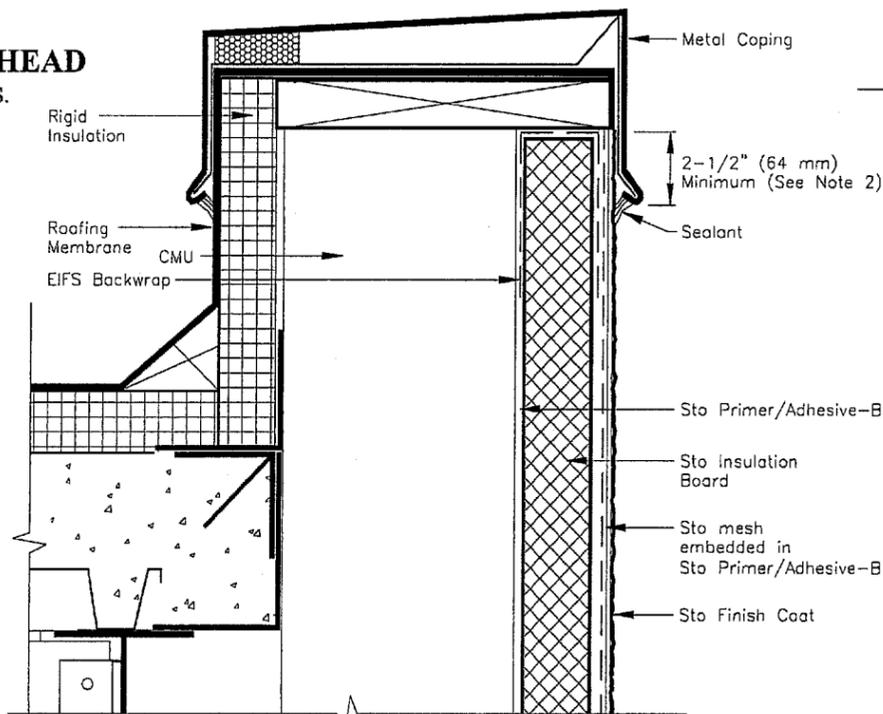


**Notes:**

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.

**WINDOW HEAD**

N.T.S.

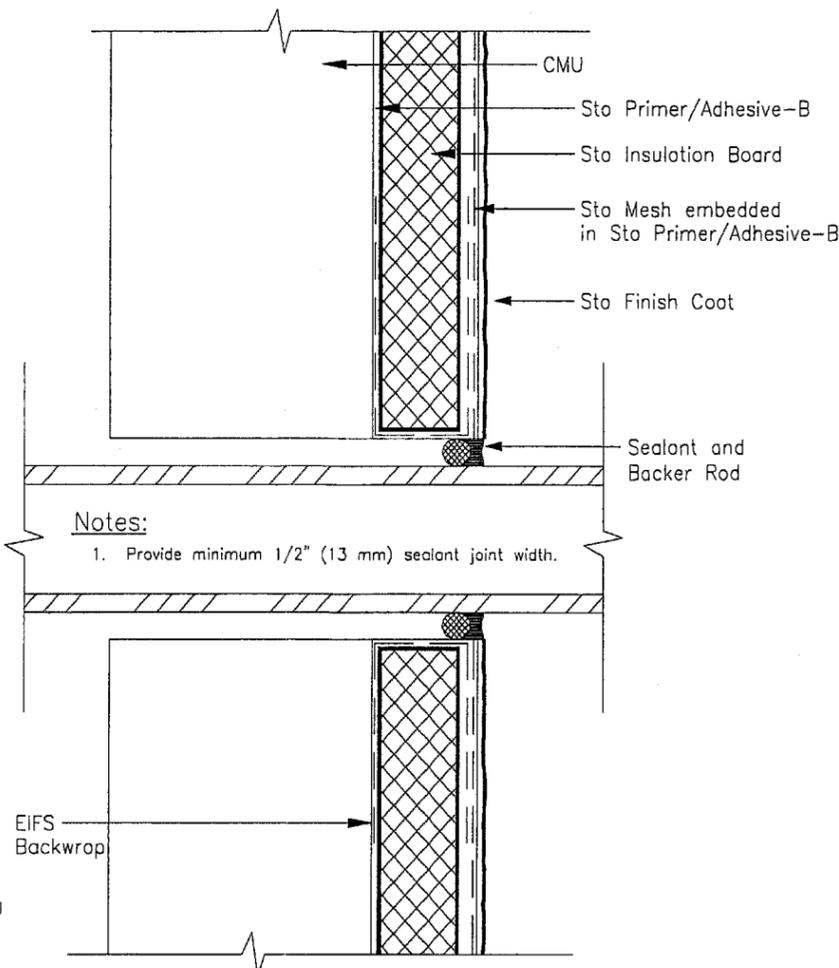


**Notes:**

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.

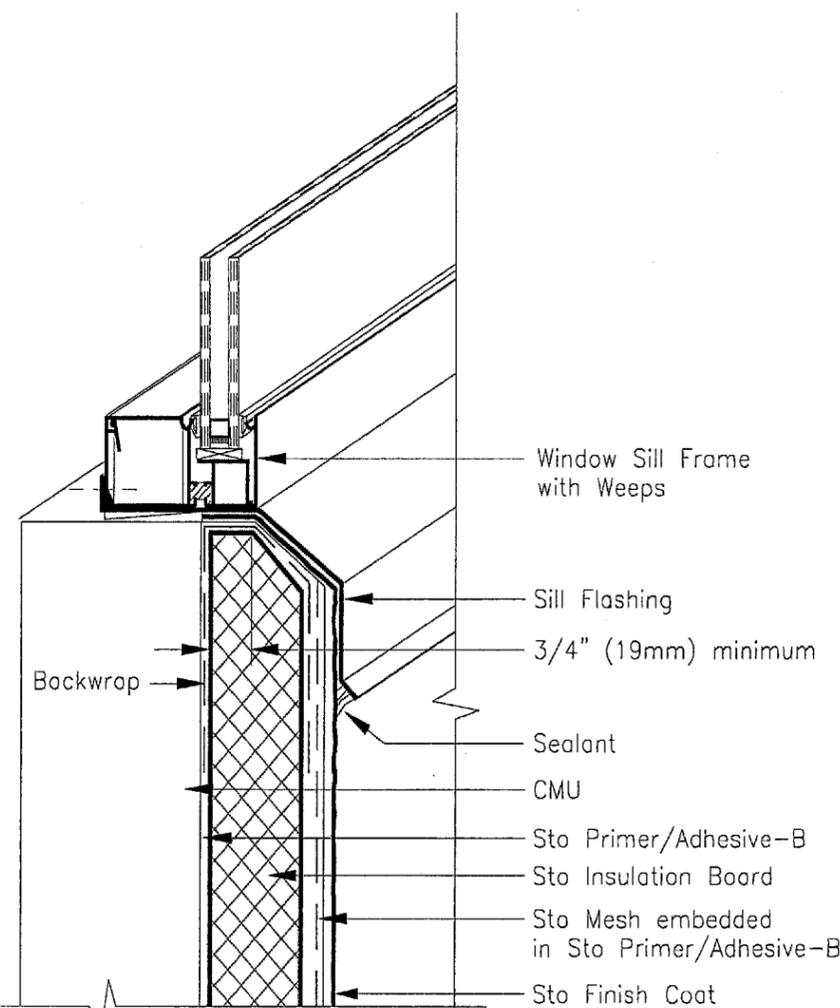


**Notes:**

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 and seal flashing @ jamb.

**WINDOW SILL**

N.T.S.

**PRODUCT RENEWED**  
as complying with the Florida  
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Acceptance No. 05-092.07  
Expiration Date 01/08/07

By [Signature]  
**Miami Dade Product Control  
Division**

**TYPICAL DETAILS**

APPROVED AS COMPLYING WITH THE  
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DATE February 08, 2001  
BY [Signature]  
PRODUCT CONTROL DIVISION  
BUILDING CODE COMPLIANCE OFFICE  
ACCEPTANCE NO. 00-1206.02

**CERNY & IVEY ENGINEERS, INC.**  
CONSULTING ENGINEERS TESTING LABORATORY  
2520 PEACHTREE PARKWAY, NORCROSS, GA 30092  
(770)-449-8833 • FAX (770)-222-1142

**Sto Corp.**  
3800 Camp Creek Parkway  
Building 1400, Suite 120  
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Sto Hi-CMPBEIF  
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[Signature]