



**MIAMI-DADE COUNTY**  
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) 372-6339

**NOTICE OF ACCEPTANCE (NOA)**

[www.maimidade.gov/buildingcode](http://www.maimidade.gov/buildingcode)

**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 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-FR Ply Exterior Insulation and Finish System**

**APPROVAL DOCUMENT:** Drawing No. Sto HI-FRPly, titled "Sto HI-FRPly EIFS Fire Treated Plywood System for Large Missile Impact Resistance", sheets 1 through 3 of 3, prepared by Sto Corporation, dated 11/05/08, with no revisions, signed and sealed by C. B. Shiver, 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 Resistant**

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", 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 # 03-0829.08 and consists of this page 1 and evidence page E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by **Carlos M. Utrera, P.E.**



*Handwritten signature and date: 11/24/08*

NOA No. 08-0516.06  
Expiration Date: September 7, 2013  
Approval Date: December 18, 2008  
Page 1

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Drawing No. Sto HI-FRPly, titled "Sto HI-FRPly EIFS Fire Treated Plywood System for Large Missile Impact Resistance", sheets 1 through 3 of 3, prepared by Sto Corporation, dated 11/05/08, with no revisions, signed and sealed by C. B. Shiver, P.E.

**B. TESTS**

1. Test report on Cyclic Load Test per PA 203 and Uniform Static Air Load Test per PA 202 on "Sto Rwall Class PB EIF, Fire Treated Plywood System for Large Missile Impact Resistance", prepared by Certified Testing Laboratories, Report # CTLA 470W, dated 02/07/00, signed and sealed by R. Patel, P.E.  
*"Submitted under NOA # 00-1206.03"*

**C. CALCULATIONS**

1. Anchorage Calculations by Cerny & Ivey Engineers, Inc., Appendix B, 52 sheets, signed and sealed by A. C. Ivey, P.E.  
*"Submitted under NOA # 00-1206.03"*

**D. QUALITY ASSURANCE**

1. Miami Dade Building Code Compliance Office (BCCO).

**E. MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. 07-1107.08, issued to Dyplast Products LLC., for their EPS Block Type Insulation, approved on 02/28/08, and expiring on 01/11/12.

**F. STATEMENTS**

1. Code compliance letter issued by Cerny & Ivey Engineers, Inc., dated 05/07/08, signed and sealed by C. B. Shiver, P.E.
2. No change letter issued by Sto Corporation, dated 05/13/07, signed by Abe Koury.

**G. OTHER**

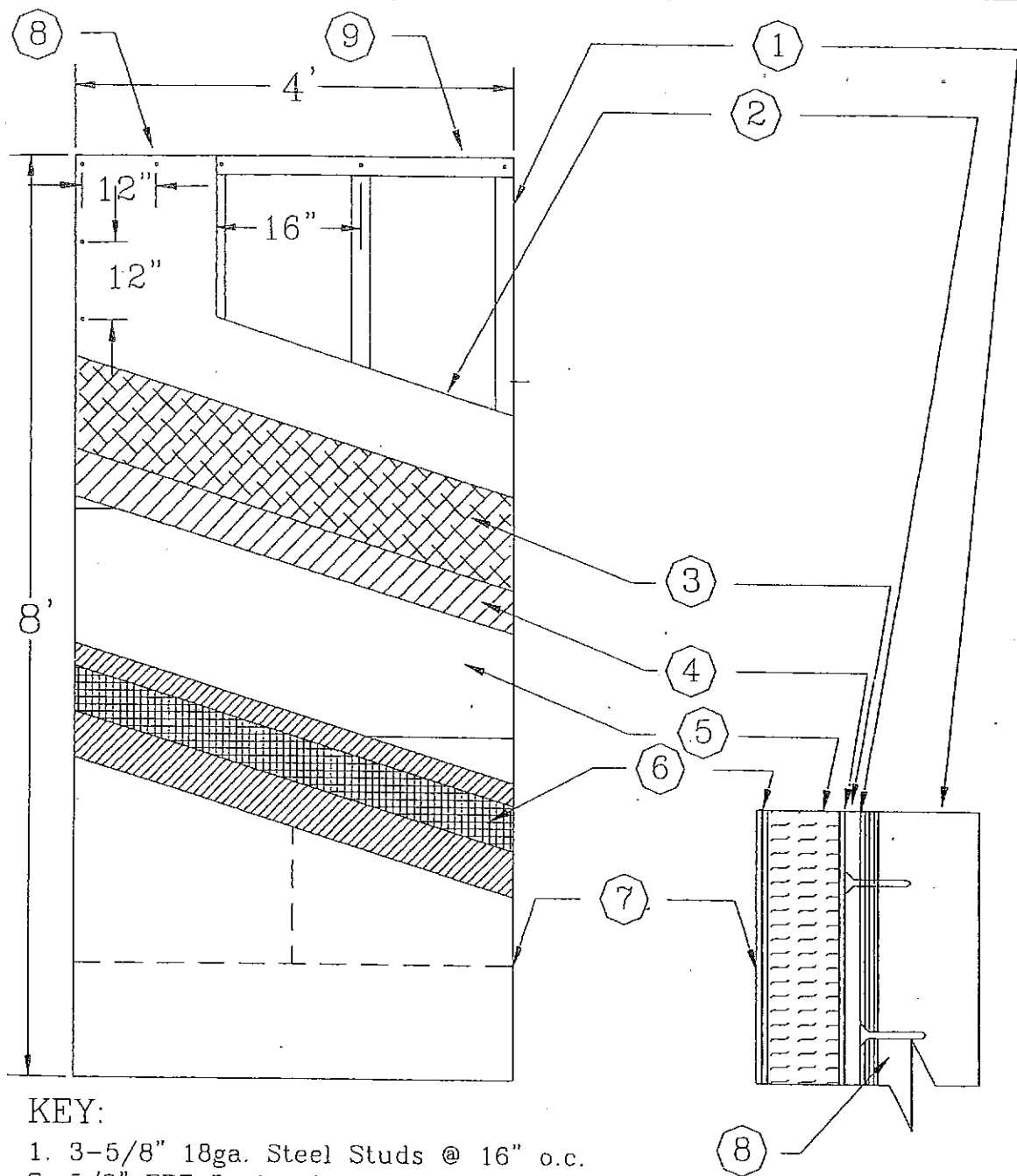
1. Notice of Acceptance No. 03-0829.08, issued to Sto Corporation, approved on 10/23/03 and expiring on 09/07/08.



11/24/08

Carlos M. Utrera, P.E.  
Product Control Examiner  
NOA No. 08-0516.06

Expiration Date: September 7, 2013  
Approval Date: December 18, 2008



**KEY:**

1. 3-5/8" 18ga. Steel Studs @ 16" o.c.
2. 5/8" FRT 5 ply plywood
3. 1/2" Exterior Grade Gypsum Sheathing
4. Sto Primer/Adhesive-B (No. 101)
5. EPS Board @ 3/4" Thick & 1 PCF
6. Sto Primer/Adhesive-B with Sto Mesh (No. 920) Embedded
7. Sto Textured Finish (No. 310, 306, and 307)
8. Fasteners: 1-1/2" x #8 drywall screws @ 12" oc field and perimeter to attach plywood. 1" x #8 drywall screws @ 12" oc field and perimeter to attach gypsum sheathing
9. U Channel on head & sill secured to vertical studs with 1/2" SMS inboard & outboard.

**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.- 5/8" Fire Resistance Treated 5 ply plywood fastened with 1-1/2" x #8 drywall screws @ 12" o.c. field and perimeter over steel studs. 1/2" thick exterior grade gypsum sheathing (ASTM C-79) with #8 x 1" drywall screws @ 12" o.c. field and perimeter.
  - 1.1.2. Sto insulation ( Dyplast) EPS Expanded Polystyrene insulation minimum 3/4" thick with a density of 1PCF as approved by Dade County NOA.#07-1107.08
  - 1.1.3. Sto Primer/Adhesive -B (No. 101) is a polymer modified cement based material used as an adhesive and base coat in Sto systems
  - 1.1.4. Sto Mesh (No. 920) 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 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 mixture is applied to the back of the Sto ( Dyplast) insulation board using a 1/2" x 1/2" U-notched trowel. Uniform ribbons of adhesive are formed on the Sto (Dyplast) insulation board parallel to the long dimension of the board.
  - 1.2.3. The Sto (Dyplast) insulation board minimum 3/4" thick is applied to the gypsum surface horizontally with staggered joints. Uniform pressure is applied to the insulation board to ensure proper adhesion to the gypsum surface. Once the entire surface of the gypsum 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 (Dyplast) 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 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 Florida Building Code 2004/2007on and its latest supplements.
- 2) This system has been tested in accordance with the Dade County Protocol TAS202 and TAS 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 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 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.

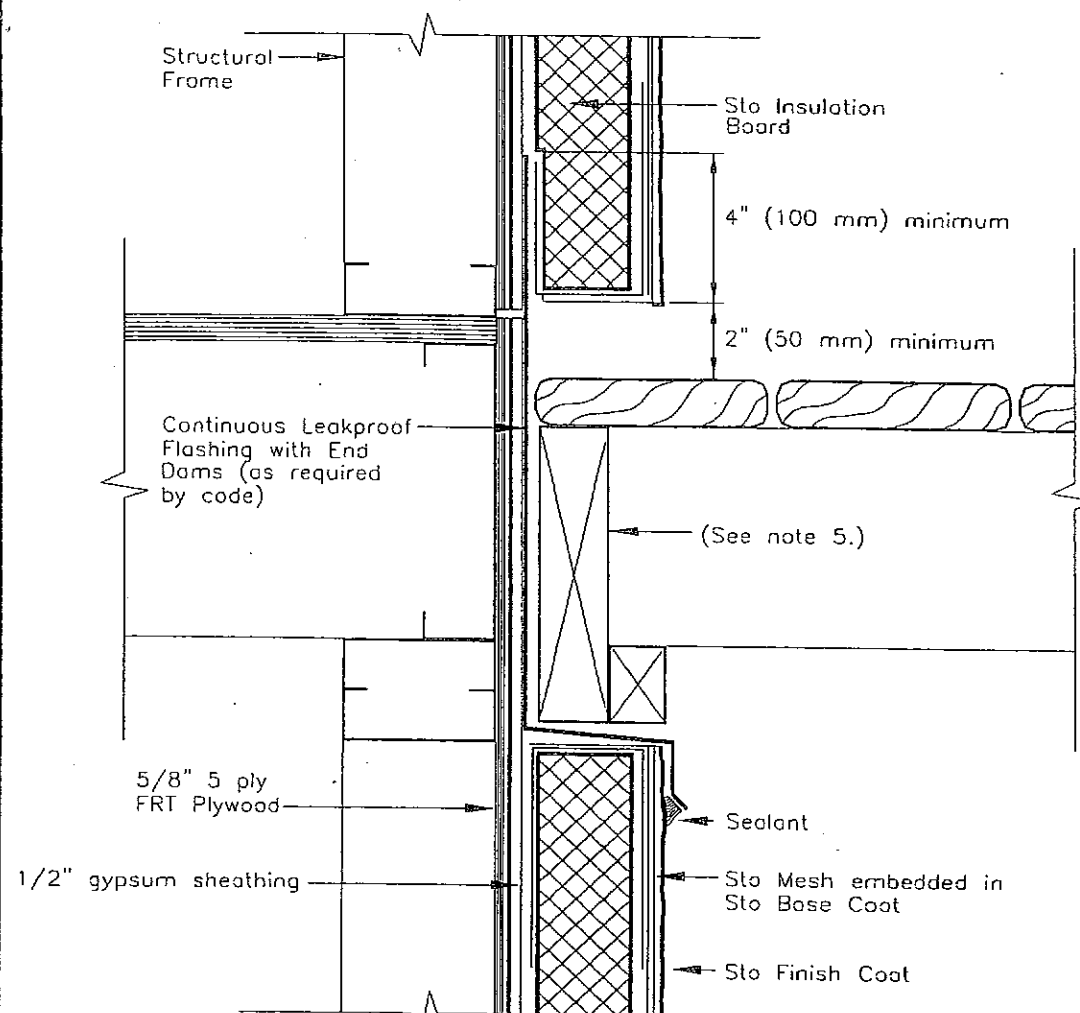
**Design Pressure Rating  
+70/-70 PSF  
Installed over  
Impact Resistant Substrate**

**PRODUCT RENEWED**  
as complying with the Florida  
Building Code  
Acceptance No. 08-0516\_06  
Expiration Date 09/07/2013  
By *[Signature]*  
Miami Dade Product Control  
Division

**CERNY & IVEY ENGINEERS, INC.**  
CONSULTING ENGINEERS VESTING LABORATORY  
4001 FRANCHISE PARKWAY, SUITE 200, MIAMI, FL 33133  
(772) 530-2025 • FAX (772) 530-2060

*[Signature]*  
11-10-2008

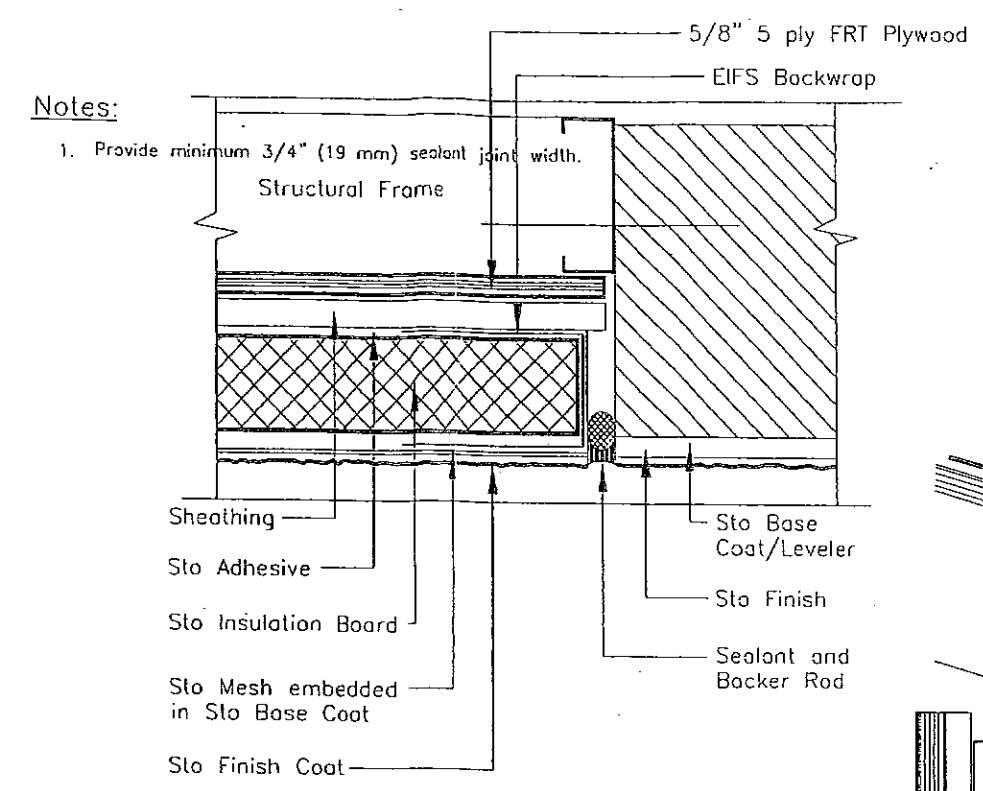
**Sto Corp.**  
3800 Camp Creek Parkway  
Building 1400, Suite 120  
Atlanta, Ga. 30331  
Sto HI-FRply EIFS  
Fire Treated Plywood System  
for  
Large Missile Impact Resistance  
Drawing no. Sto HI-FRply  
Page No. 1 of 3  
Date: 11/5/2008  
Not to Scale



- Notes:**
1. Cap 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).

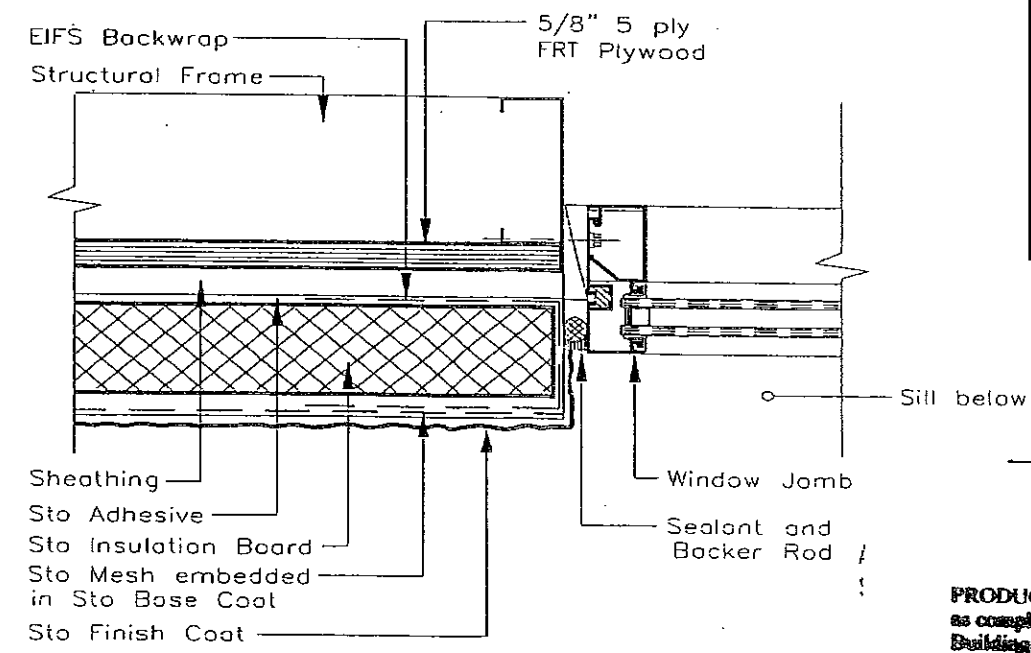
**TERMINATION AT DECK**  
N.T.S.

**TYPICAL DETAILS**



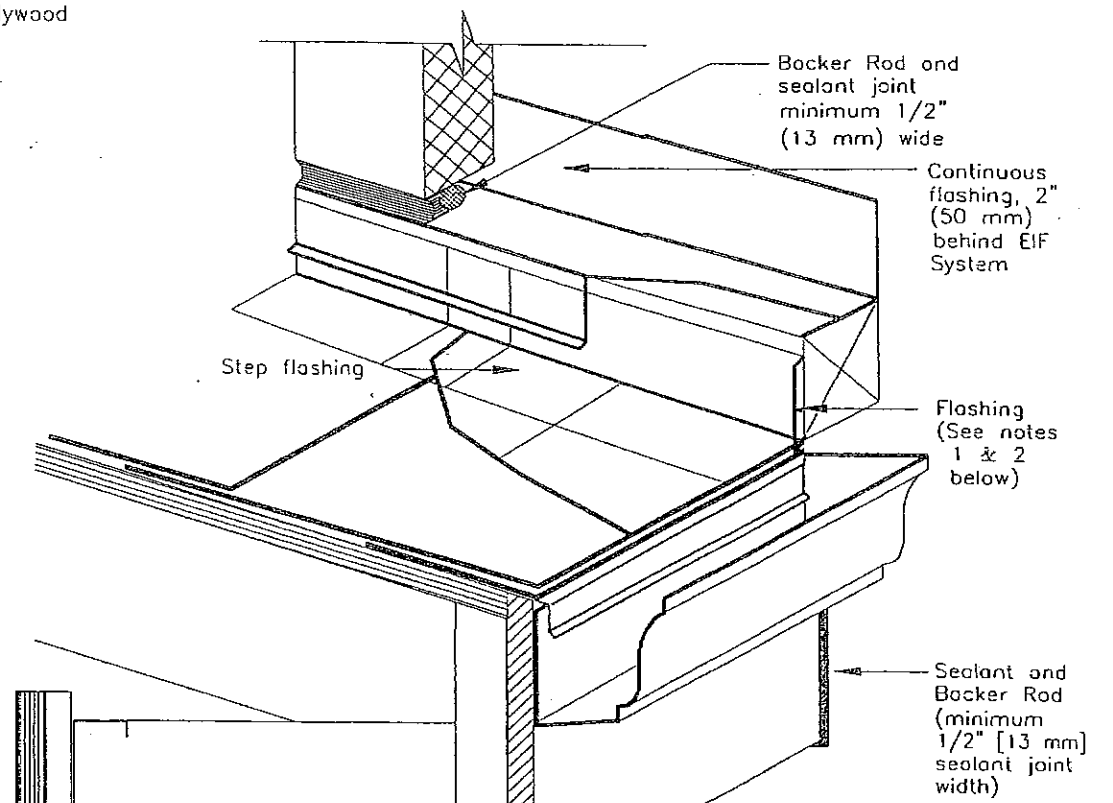
- Notes:**
1. Provide minimum 3/4" (19 mm) sealant joint width.

**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.



- Notes:**
1. Provide continuous leakproof 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.

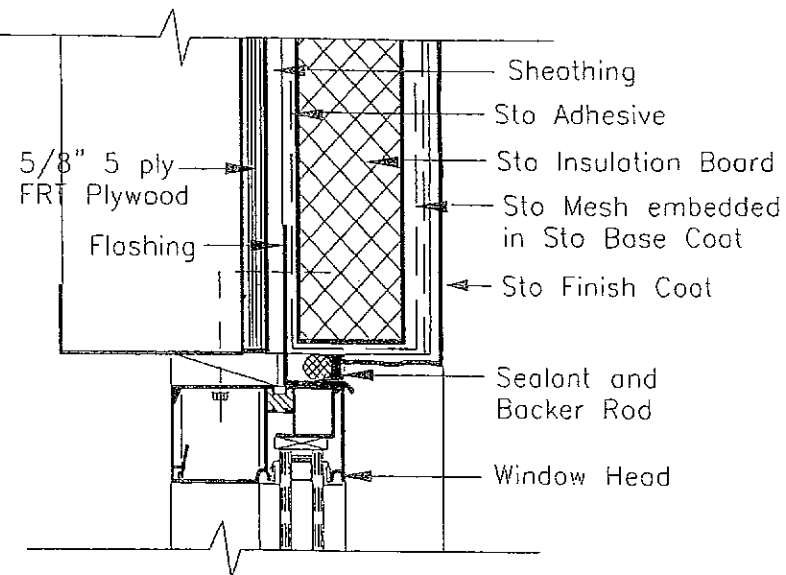
**OVERHANG**  
N.T.S.

**PRODUCT RENEWED**  
as complying with the Florida  
Building Code  
Acceptance No. 08-0516.06  
Expiration Date 07/07/2013  
By *[Signature]*  
Miami Dade Product Control  
Division

**GERNY & IVEY ENGINEERS, INC.**  
CONSULTING ENGINEERS TESTING LABORATORY  
11000 WASHINGTON PARKWAY, NORCROSS, GA 30071  
(770) 540-8000 • FAX (770) 230-1990

*[Signature]*  
11-10-2008

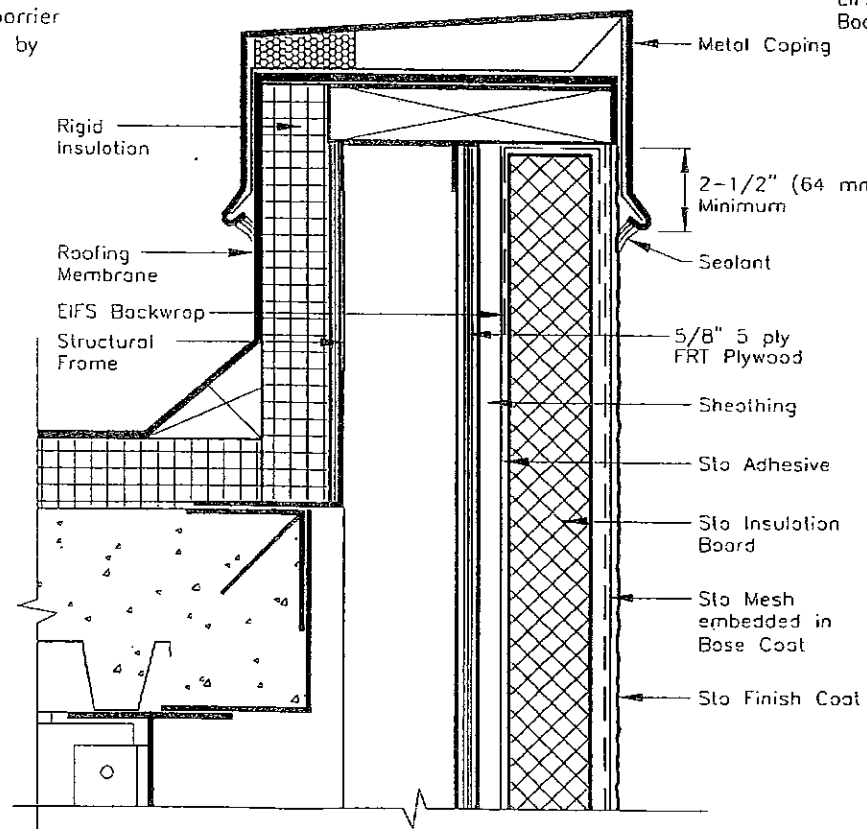
**Sto Corp.**  
3800 Camp Creek Parkway  
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Atlanta, Ga. 30331  
Sto HI-FRply EIFS  
Fire Treated Plywood System  
for  
Large Missile Impact Resistance  
Drawing no. Sto HI-FRply  
Page No. 2 of 3  
Date: 11/5/2008  
Not to Scale



**Notes:**

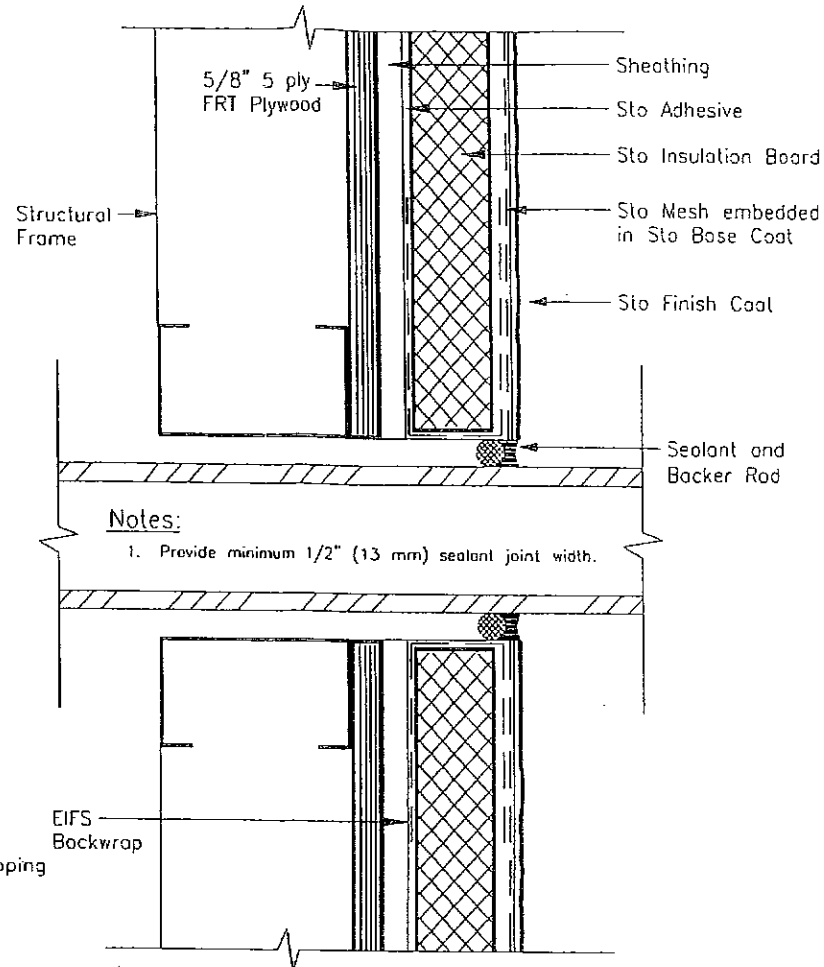
1. Provide minimum 3/4" (19 mm) depth from back of insulation board to face of window frame for sufficient depth to install sealant.
2. Provide minimum 1/2" (13 mm) sealant joint width.
3. Provide flashing as secondary barrier at sealant joint when called for by design professional.

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



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.

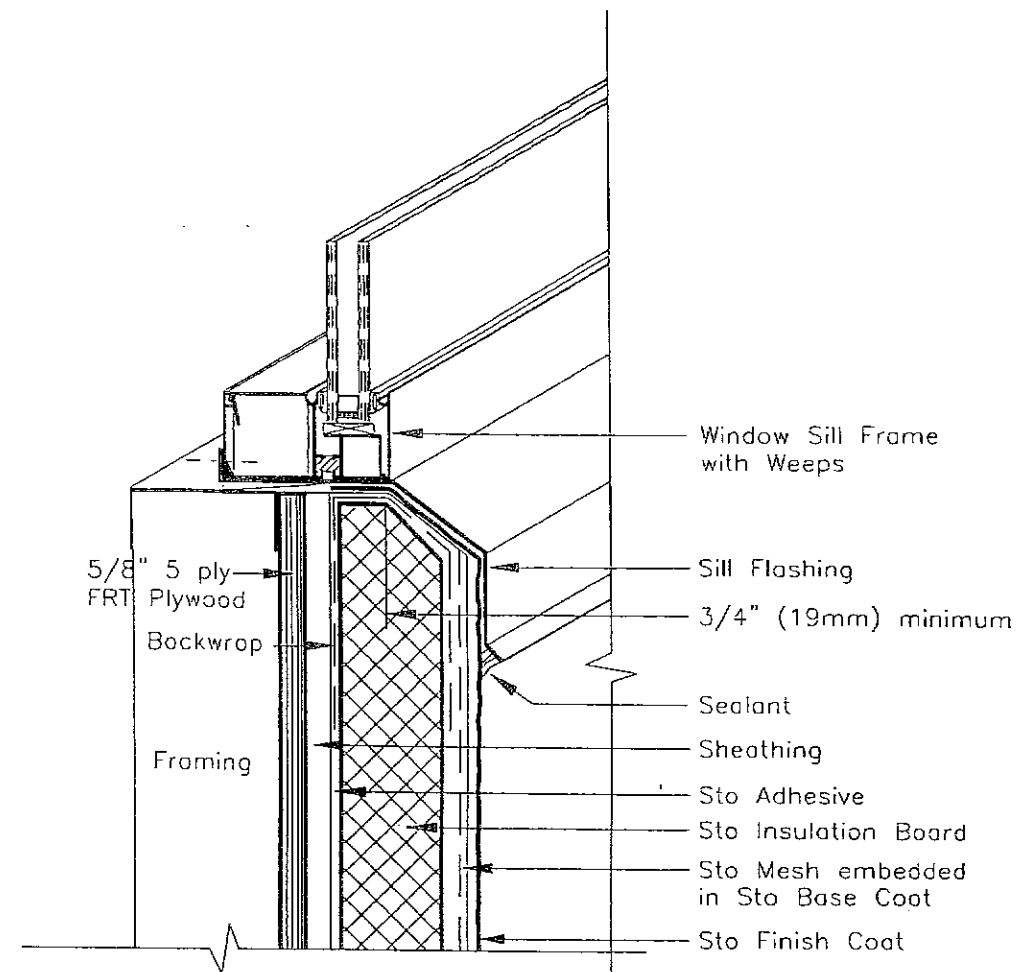
**PARAPET**  
N.T.S.



**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**

PRODUCT RENEWED  
as complying with the Florida  
Building Code  
Acceptance No. 08-0516, 06  
Expiration Date 01/07/2015  
By [Signature]  
Miami Code Product Control  
Division

**CERNY & IVEY ENGINEERS, INC.**  
CONSULTING ENGINEERS TESTING LABORATORY  
2822 PRITCHARD PARKWAY, NORCROSS, GA 30071  
17701-662-8528 • FAX 1770-125-062

[Signature]  
11-10-2008

**Sto Corp.**  
3800 Camp Creek Parkway  
Building 1400, Suite 120  
Atlanta, Ga. 30331  
Sto HI-FRPly EIFS  
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Page No. 3 of 3  
Date: 11/5/2008  
Not to Scale