



**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)

**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-PLY, Sheets 1 through 3 of 3, titled "Sto HI-PLY EIFS 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 # 00-1206.01 and consists of this page, evidence page as well as the approval document mentioned above.

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

[Handwritten Signature]
02/16/06



**NOA No: 05-0921.08
Expiration Date: January 29, 2007
Approval Date: February 16, 2006
Page 1**

Sto Corporation.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A DRAWINGS

1. Drawing No. **Sto HI-PLY**, Sheets 1 through 3 of 3, titled "Sto HI-PLY EIFS for Large Missile Impact Resistance" dated 11/03/00, with no revisions, prepared by Cerney & Ivey Engineering, Inc signed and sealed by C. B. Shiver, PE.

B TEST

- 1 Test report on Cyclic Pressure Test per PA 203, of "R-wall Class PB EIF System over plywood", prepared by Hurricane Test Laboratory, Inc., report No. 0064-0305-97, specimens 2, 3 & 4, dated 03/11/97, signed and sealed by T. S. Marshall PE.
- 2 Test report on Uniform Static Air Test, Air Infiltration Test, Water Leakage Test per PA 202, of "R-wall Class PB EIF System over Plywood" prepared by Hurricane Test Laboratory, Inc., report No. 0064-0305-97, specimen 1, dated 03/10/97, signed and sealed by T. S. Marshall, PE.
- 3 Test report on Adhesion Test per ASTM C297 of "R-Wall System over plywood and OSB exposure I substrates", prepared by United States Testing Company, Inc., report # 185877-4, dated 01/13/92 signed and sealed by R. C. Smith PE.

C CALCULATIONS.

- 1 Calculations for R-Wall Class PB EIFS over plywood sheathing, sheets 1 through 5, dated 06/16/97, prepared by Cerny & Ivey Engineers, Inc., signed and sealed by A. C. Ivey , PE.
- 2 Calculations for R-Wall Class B System, sheets 1 through 52, signed and sealed by A. C. Ivey, PE on 11/04/99.

D 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.

E STATEMENTS.

- 1 Test compliance letter issued by Hurricane Test Laboratory, Inc. on 06/05/97, signed and sealed by S. Marshall, PE.
- 2 Code compliance letter issued by Cerny & Ivey Engineers, Inc., dated 04/25/00, signed and sealed by C. Ivey, PE.
- 3 No change letter issued by Sto Corporation, on 01/31/2001, signed by T. E. Remmele.
- 4 One year approval letter accepted by Sto Corporation, dated 10/18/05 and signed by C. F. Font and accepted by T. L. Viness.



02/16/06

Candido F. Font PE.

Sr. Product Control Examiner

NOA No: 05-0921.08

Expiration Date: January 29, 2007

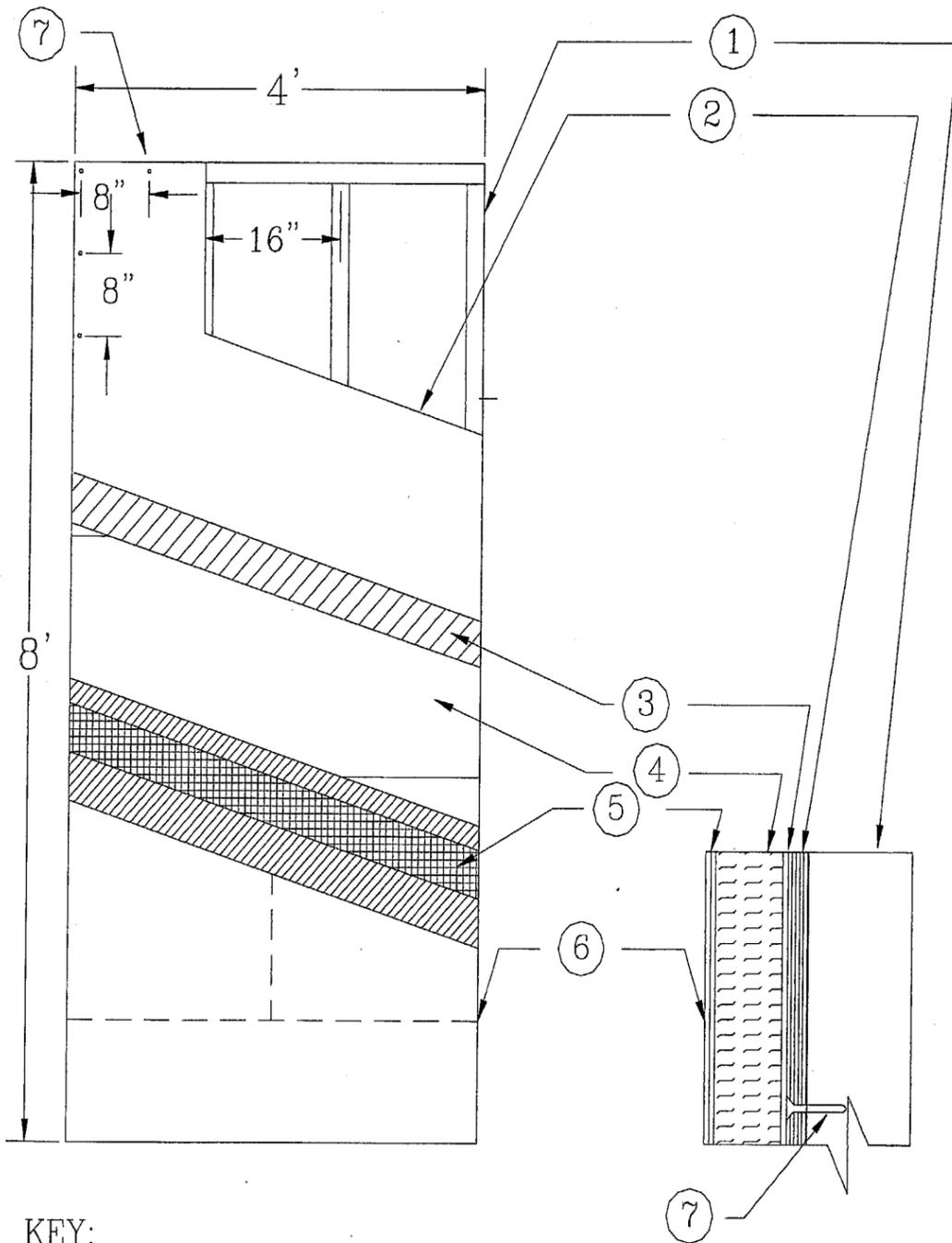
Approval Date: February 16, 2006

DESCRIPTION

- 1.1 Substrates approved with the system
- 1.1.1. Minimum 2 x 4 wood or 3-5/8" x 1-5/8" x 18 ga. steel studs @ 16" o.c.- 5/8" CDX 5 ply plywood over steel studs with #8 x 1-1/4" drywall screws @ 8" field and perimeter or 10d common nails @ 8"oc field and perimeter over wood studs.
 - 1.1.2. Sto insulation (Apache) EPS Expanded Polystyrene insulation minimum 1" thick with a density of 1PCF as approved by Dade County NOA# 98-0904.04
 - 1.1.3. Sto Dispersion Adhesive (No. 829) a ready mixed acrylic base adhesive, used to attach Sto insulation board to the sheathing in the Sto HI- Ply exterior insulation and finish system
 - 1.1.4. Sto Primer/Adhesive -B (No. 101) is a polymer modified cement based material used as a adhesive and base coat in Sto systems
 - 1.1.5. Sto reinforcing mesh (No. 920) a glass fiber fabric used for impact resistance of the Sto systems
 - 1.1.6. 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: Find Sand, Medium Sand, and Swirl
- 1.2 Application
- 1.2.1. The exposed plywood surface is cleaned to remove any bond inhibiting particles from the surface of the plywood.
 - 1.2.2. The Sto Dispersion Adhesive is mixed using a clean rust free high speed electric drill and paddle. The adhesive is applied to the back of the Sto (Apache) insulation board using a 3/16" x 5/16" U-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 minimum 1" thick is applied to the plywood surface horizontally with staggered joints. Uniform pressure is applied to the insulation board to ensure proper adhesion to the plywood surface. Once the entire surface of the plywood 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 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-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 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 and the wood shall be S. Y. P. (SG. 0.50) or better.
- 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. 2 x 4 wood or 3-5/8" 18ga. metal studs @ 16" o.c.
2. Sheathing: 5/8" CDX 5 ply plywood
3. Sto Dispersion Adhesive (No. 829)
4. EPS board @ 1" thick & 1PCF by Apache
5. Sto Primer/Adhesive B (No. 101) with Sto Mesh (No. 920) embedded
6. Sto Textured Finish No. 310, 306, and 307
7. Fasteners: 10D common nails @ 8" o.c. in field and perimeter for wood studs. #8 x 1-1/4" type S-12 screws @ 8" o.c. in field and perimeter for metal studs

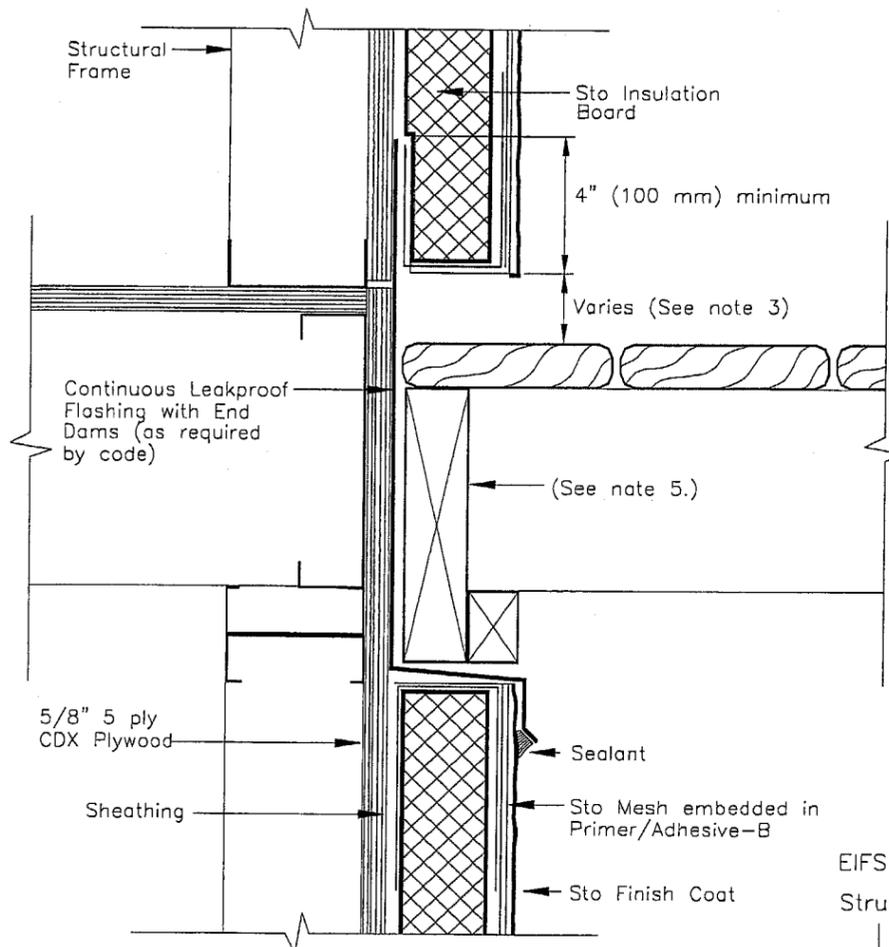
APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE 02-22-01
BY
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-1206.01

Design Pressure Rating
Wood studs +/- 100 PSF
Metal studs +/- 74 PSF
Installed over
Impact Resistant Substrate

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 05-0921/08
Expiration Date 01/29/07
By
Miami Dade Product Control
Division

CERNY & IVEY ENGINEERS, INC.
CONSULTING ENGINEERS TESTING LABORATORY
5600 PEACHTREE PARKWAY, NORCROSS, GA 30052
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Sto Corp.
3800 Camp Creek Parkway
Building 1400, Suite 120
Atlanta, Ga. 30331
Sto HI-Ply EIFS
for
Large Missile Impact Resistance
Drawing no. Sto HI-Ply
Page No. 1 of 3
Date: 11/03/2000
Not to Scale



TERMINATION AT DECK
N.T.S.

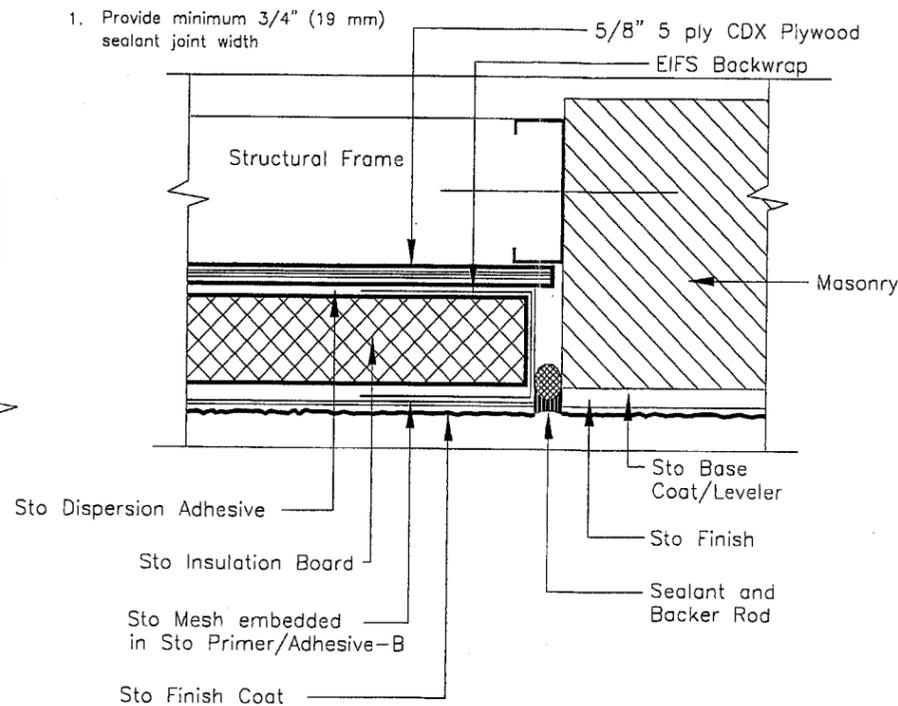
Notes:

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).

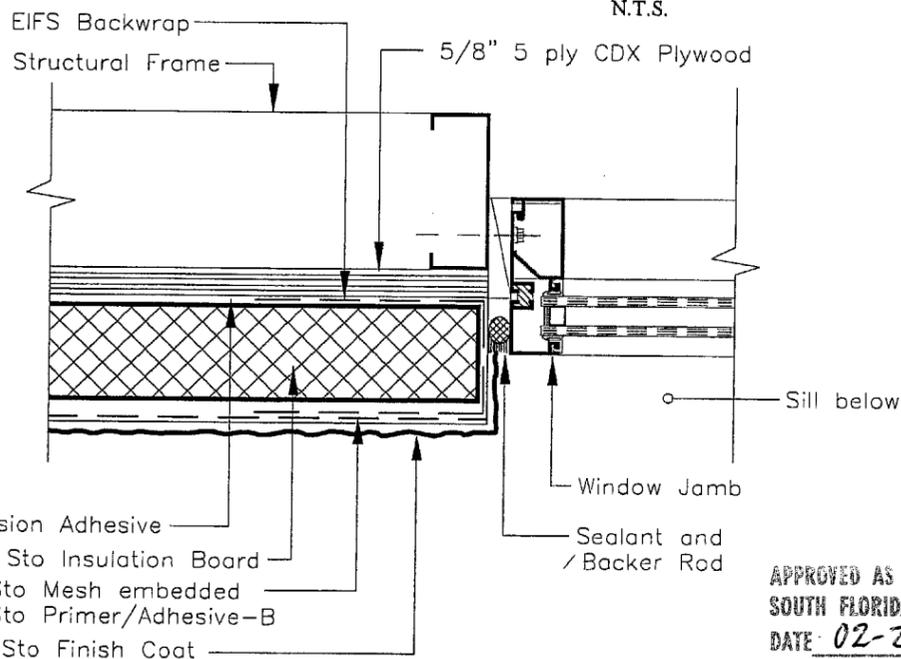
TYPICAL DETAILS

Notes:

1. Provide minimum 3/4" (19 mm) sealant joint width



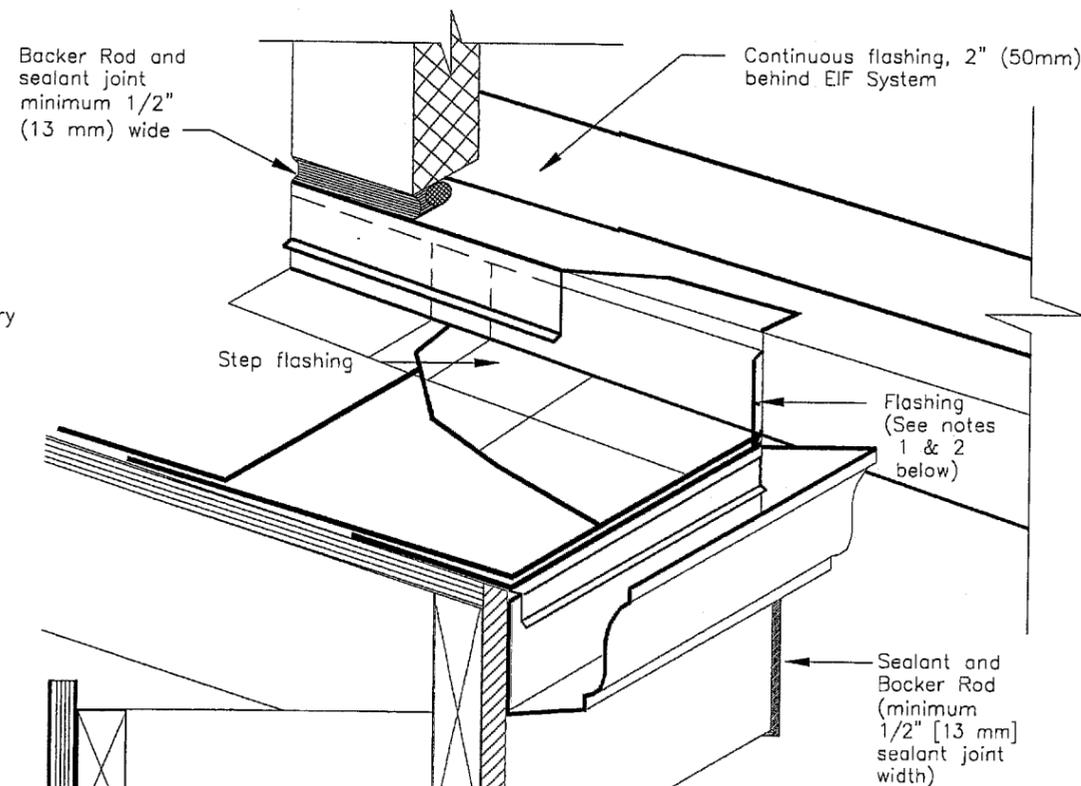
CONSTRUCTION JOINT
N.T.S.



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.



OVERHANG
N.T.S.

Notes:

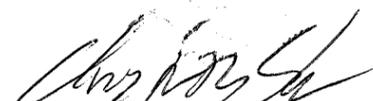
1. Provide continuous leakproof flashing (as required by code) to divert water from entering into wall system.
2. Backer rod and sealant at EIFS termination to the diverter flashing to prevent water from penetrating behind EIFS.

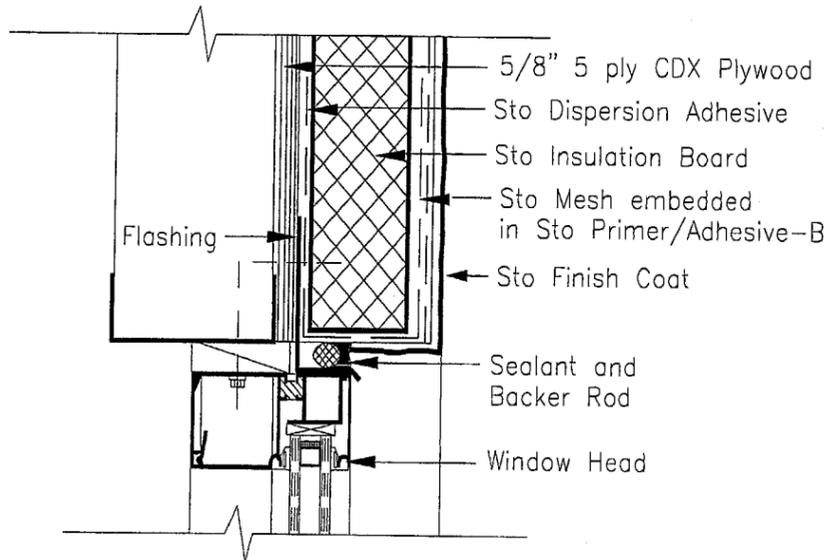
PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 05-092108
Expiration Date 01/29/09
By 
Product Control
Division

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE: 02-22-01
BY 
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-1206.01

CERNY & IVEY ENGINEERS, INC.
CONSULTING ENGINEERS TESTING LABORATORY
4220 PEACHTREE PARKWAY, NORCROSS, GA 30052
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Sto Corp.
3800 Camp Creek Parkway
Building 1400, Suite 120
Atlanta, Ga. 30331
Sto HI-Ply EIFS
for
Large Missile Impact Resistance
Drawing no. Sto HI-Ply
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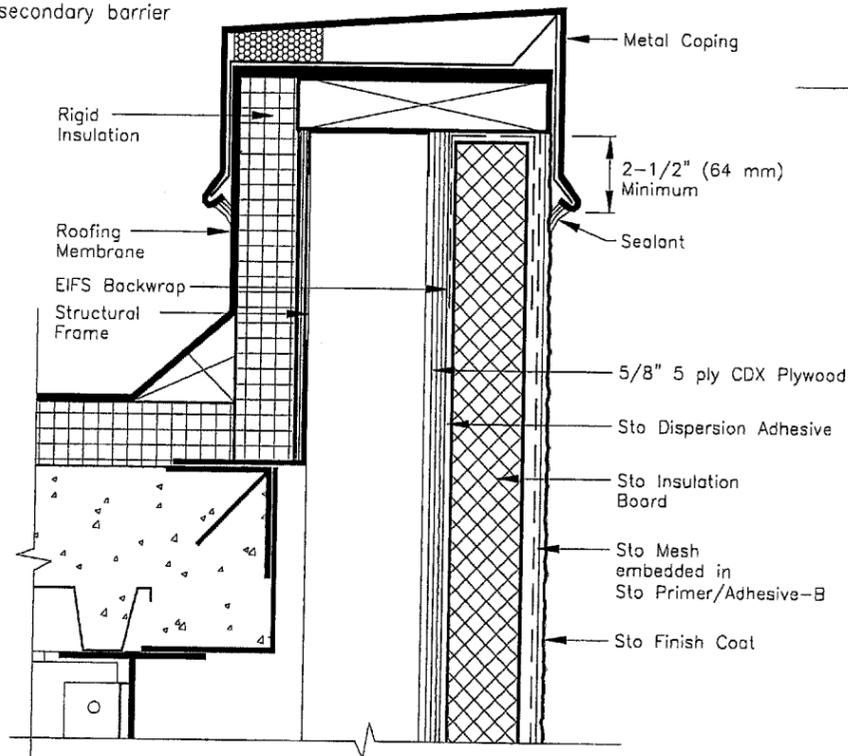




Notes:

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.

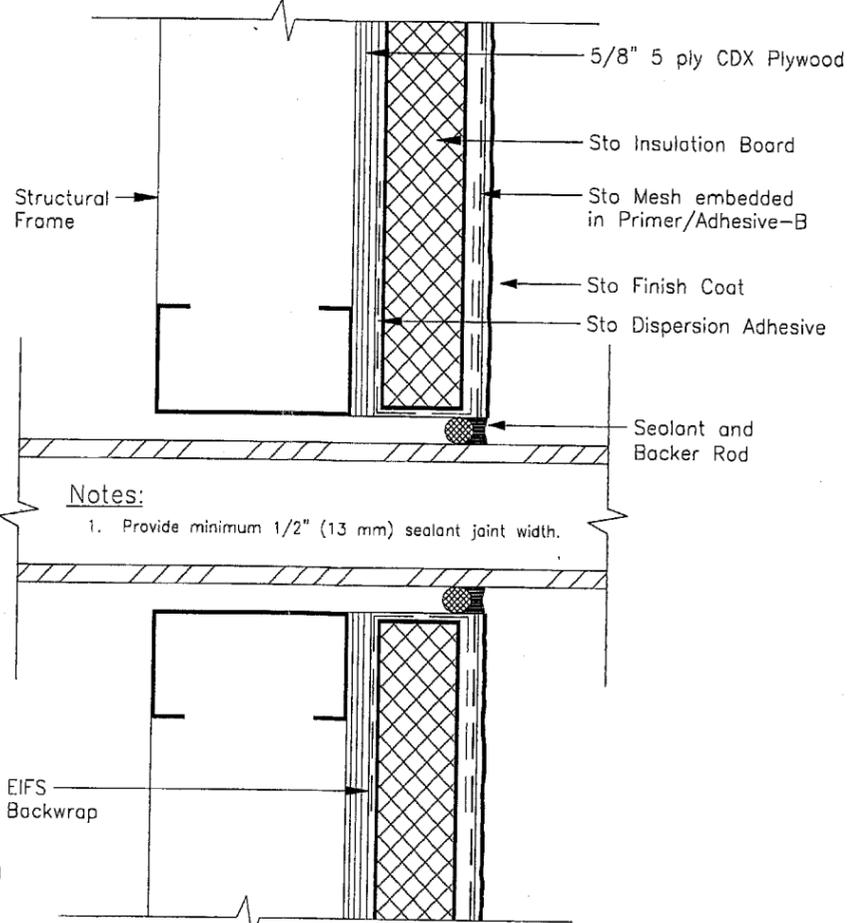
WINDOW HEAD
N.T.S.



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.

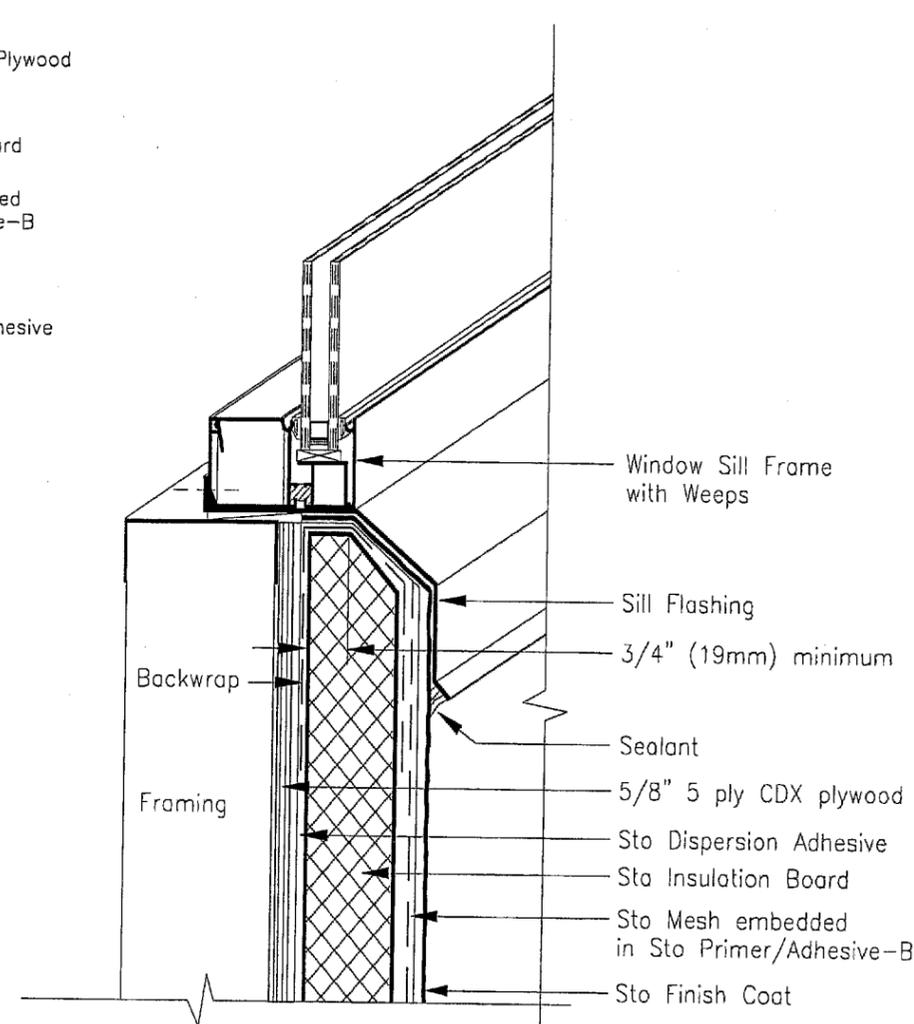
PARAPET
N.T.S.



Notes:

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

TERMINATION AT PENETRATION
N.T.S.

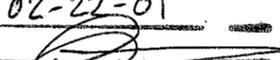


Notes:

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.

TYPICAL DETAILS

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE 02-22-01
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PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-1206.01

PRODUCT RENEWED
on compliance with the Florida
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Acceptance No. 05-092108
Expiration Date 01/29/09
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Sto HI-Ply EIFS
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CERNY & IVEY ENGINEERS, INC.
CONSULTING ENGINEERS TESTING LABORATORY
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