



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES
BOARD AND CODE ADMINISTRATION DIVISION

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/economy

NOTICE OF ACCEPTANCE (NOA)

International Materials, Inc. dba Intermat, Inc.
2045 Placentia Avenue
Costa Mesa, CA 92627

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 High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: Sure-Board Wall Sheathing System

APPROVAL DOCUMENT: Drawing No. 23-068, titled "Sure-Board Wall Sheathing System", sheets 1 through 5 of 5, prepared by Tilteco, Inc., dated July 07, 2023, last revision #1 dated July 07, 2023, signed and sealed by Walter A. Tillit Jr., P.E., on July 07, 2023 bearing the Miami-Dade County Product Control Renewal stamp with the Notice of Acceptance number and the expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each panel shall bear a permanent label with the manufacturer's name or logo, city, state and the 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. **An original signed and sealed company letter from Intermat, Inc. is required, providing that the Sure-Board Wall Sheathing System was purchased from them in order for this NOA to be valid on any job.**

This NOA **renews NOA #23-0726.09** and consists of this page 1, evidence submitted pages E-1, E-2, E-3, E-4, E-5 E-6 & E-7 as well as approval document mentioned above.

The submitted documentation was reviewed by **Helmy A. Makar, P.E., M.S.**



Helmy A. Makar
07/18/24

NOA No. 24-0410.02
Expiration Date: 06/13/2029
Approval Date: 07/18/2024
Page 1

International Materials, Inc. dba Intermat, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #03-1015.08

A. DRAWINGS

1. *Drawing No. 02-385, titled " Wall Panel System ", sheets 1 through 10 of 10, prepared by Tilteco, Inc., dated July 11, 2002 with last revision #1 dated January 7, 2004, signed and sealed by Walter A. Tillit Jr., P.E.*

B. TEST

1. *Test report on Large Missile Impact test, Cyclic Wind Pressure test and Uniform Static Air Pressure test and Air & Water Infiltration tests and ASTM E 72-98 on Composite Wall Panels over Galvanized Steel Studs, prepared by American Test Lab of South Florida, report No. 0506.01-03, dated September 5, 2003, signed and sealed by William R. Mehner, P.E. and Henry Hattem, PE.*
2. *Addendum to report No. 0506.01-03, dated December 15, 2003, signed and sealed by William R. Mehner, P.E. and Henry Hattem, PE.*

C. CALCULATIONS

1. *Panel allowable calculation and Anchors' verification prepared by Walter A. Tillit Jr., P.E. dated august 27, 2003 signed and sealed by Walter A Tillit Jr., PE.*

D. QUALITY ASSURANCE

1. *By Miami-Dade County Building Code Compliance Office.*

E. MATERIAL CERTIFICATION

1. *Tensile test report of metal panel, prepared by Q. C. Metallurgical, Inc., dated August 4, 2003, signed and sealed by Frank E. Grate, Jr., P E.*
2. *Copy of N.O.A. # 00-1114.05.*

2. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 05-0929.09

A. DRAWINGS

1. *Drawing No. 05-291, titled " Wall Panel System ", sheets 1 through 10 of 10, prepared by Tilteco, Inc., dated September 16, 2005 with last revision #1 dated September 16, 2005, signed and sealed by Walter A. Tillit Jr., P.E.*

B. TEST

1. *None.*

C. CALCULATIONS

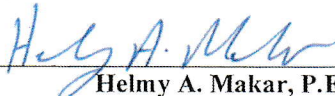
1. *Panel Anchors' verification per FBC 2004 edition prepared by Walter A. Tillit Jr., P.E. dated September 21, 2005 signed and sealed by Walter A Tillit Jr., PE.*

D. QUALITY ASSURANCE

1. *By Miami-Dade County Building Code Compliance Office.*

E. MATERIAL CERTIFICATION

1. *None.*



Helmy A. Makar, P.E., M.S.
Product Control Section Supervisor
NOA No. 24-0410.02
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NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

3. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 08-1126.08

A. DRAWINGS

1. *Drawing No. 08-219, titled " Sure-Board Wall Panel ", sheets 1 through 10 of 10, prepared by Tilteco, Inc., dated October 01, 2008 with last revision #1 dated October 01, 2008, signed and sealed by Walter A. Tillit Jr., P.E., on December 15, 2008.*

B. TEST

1. *None.*

C. CALCULATIONS

1. *Calculation titled "Revision of Miami-Dade County Product Approval Anchor Calculations" by Walter A. Tillit Jr., P.E. dated November 24, 2008 signed and sealed by Walter A Tillit Jr., PE.*

D. QUALITY ASSURANCE

1. *By Miami-Dade County Building Code Compliance Office.*

E. MATERIAL CERTIFICATION

1. *Copy of N.O.A. # 05-0929.09*

4. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 10-0519.09

A. DRAWINGS

1. *Drawing No. 08-219, titled " Sure-Board Wall Panel ", sheets 1 through 10 of 10, prepared by Tilteco, Inc., dated October 01, 2008 with last revision #2 dated June 28, 2010, signed and sealed by Walter A. Tillit Jr., P.E., on July 01, 2010.*

B. TEST

1. *None.*

C. CALCULATIONS

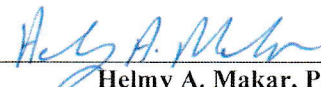
1. *None.*

D. QUALITY ASSURANCE

1. *By Miami-Dade County Building Code Compliance Office.*

E. MATERIAL CERTIFICATION

1. *Copy of N.O.A. # 08-1126.08*




Helmy A. Makar, P.E., M.S.
Product Control Section Supervisor
NOA No. 24-0410.02
Expiration Date: 06/13/2029
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International Materials, Inc. dba Intermat, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

- 5. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 12-0229.07**
- A. DRAWINGS**
1. *Drawing No. 12-009, titled " Sure-Board Wall Panel ", sheets 1 through 10 of 10, prepared by Tilteco, Inc., dated January 17, 2012 with last revision #1 dated January 17, 2012, signed and sealed by Walter A. Tillit Jr., P.E., on January 25, 2012.*
- B. TEST**
1. *None.*
- C. CALCULATIONS**
1. *None.*
- D. QUALITY ASSURANCE**
1. *By Miami-Dade County Department of Regulatory and Economic Resources (RER).*
- E. MATERIAL CERTIFICATION**
1. *None.*
- F. OTHERS**
1. *Florida Building Code, 2010 Edition Compliance letter, issued by Tilteco, Inc., dated February 01, 2012, signed and sealed by Walter A. Tillit Jr., P.E.*
- 6. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 14-1030.12**
- A. DRAWINGS**
1. *Drawing No. 13-089, titled " Sure-Board Wall Panel ", sheets 1 through 10 of 10, prepared by Tilteco, Inc., dated December 09, 2013 with revision #1 dated December 09, 2013, signed and sealed by Walter A. Tillit Jr., P.E., on October 20, 2014.*
- B. TEST**
1. *None.*
- C. CALCULATIONS**
1. *None.*
- D. QUALITY ASSURANCE**
1. *By Miami-Dade County Department of Regulatory and Economic Resources.*
- E. MATERIAL CERTIFICATION**
1. *None.*
- F. OTHERS**
1. *Florida Building Code, 2010 Edition Compliance letter, issued by Tilteco, Inc., dated October 17, 2014, signed and sealed by Walter A. Tillit Jr., P.E.*



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NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

7. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 15-0601.10

A. DRAWINGS

1. *Drawing No. 15-149, titled " Sure-Board Wall Panel ", sheets 1 through 10 of 10, prepared by Tilteco, Inc., dated May 22, 2015 with revision #1 dated May 22, 2015, signed and sealed by Walter A. Tillit Jr., P.E., on May 26, 2015.*

B. TEST

1. *None.*

C. CALCULATIONS

1. *None.*

D. QUALITY ASSURANCE

1. *By Miami-Dade County Department of Regulatory and Economic Resources.*

E. MATERIAL CERTIFICATION

1. *None.*

F. OTHERS

1. *Florida Building Code, 2014 Edition Compliance letter, issued by Tilteco, Inc., dated May 21, 2015, signed and sealed by Walter A. Tillit Jr., P.E.*

8. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 18-0905.10

A. DRAWINGS

1. *Drawing No. 18-088, titled "Sure-Board Wall Panel", sheets 1 through 10 of 10, prepared by Tilteco, Inc., dated August 27, 2018 with revision #1 dated August 27, 2018, signed and sealed by Walter A. Tillit Jr., P.E., on August 28, 2018.*

B. TEST

1. *None.*

C. CALCULATIONS

1. *None.*

D. QUALITY ASSURANCE

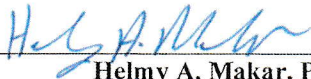
1. *By Miami-Dade County Department of Regulatory and Economic Resources.*

E. MATERIAL CERTIFICATION

1. *None.*

F. OTHERS

1. *Florida Building Code, 2017 Edition Compliance letter, issued by Tilteco, Inc., dated August 27, 2018, signed and sealed by Walter A. Tillit Jr., P.E.*



Helmy A. Makar, P.E., M.S.
Product Control Section Supervisor
NOA No. 24-0410.02
Expiration Date: 06/13/2029
Approval Date: 07/18/2024

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NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

9. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 19-0213.08

A. DRAWINGS

1. *Drawing No. 19-003, titled "Sure-Board Wall Sheathing System", sheets 1 through 5 of 5, prepared by Tilteco, Inc., dated January 10, 2019, signed and sealed by Walter A. Tillit Jr., P.E., on February 08, 2019.*

B. TEST

1. *None.*

C. CALCULATIONS

1. *None.*

D. QUALITY ASSURANCE

1. *By Miami-Dade County Department of Regulatory and Economic Resources.*

E. MATERIAL CERTIFICATION

1. *None.*

F. OTHERS

1. *Florida Building Code, 2017 Edition Compliance letter, issued by Tilteco, Inc., dated January 22, 2019, signed and sealed by Walter A. Tillit Jr., P.E.*

10. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 20-0219.02

A. DRAWINGS

1. *Drawing No. 19-003, titled "Sure-Board Wall Sheathing System", sheets 1 through 5 of 5, prepared by Tilteco, Inc., dated January 10, 2019, last revision #1 dated February 03, 2020, signed and sealed by Walter A. Tillit Jr., P.E., on Feb. 03, 2020.*

B. TEST

1. *None.*

C. CALCULATIONS

1. *None.*

D. QUALITY ASSURANCE

1. *By Miami-Dade County Department of Regulatory and Economic Resources.*

E. MATERIAL CERTIFICATION

1. *None.*

F. OTHERS

1. *Florida Building Code, 2017 Edition Compliance letter, issued by Tilteco, Inc., dated February 03, 2020, signed and sealed by Walter A. Tillit Jr., P.E.*



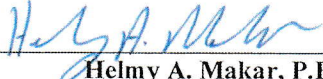
Helmy A. Makar, P.E., M.S.

Product Control Section Supervisor
NOA No. 24-0410.02
Expiration Date: 06/13/2029
Approval Date: 07/18/2024

International Materials, Inc. dba Intermat, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

- 11. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 20-0811.07**
- A. DRAWINGS**
1. *Drawing No. 20-211, titled "Sure-Board Wall Sheathing System", sheets 1 through 5 of 5, prepared by Tilteco, Inc., dated July 17, 2020, last revision #1 dated July 17, 2020, signed and sealed by Walter A. Tillit Jr., P.E., on July 20, 2020.*
- B. TEST**
1. *None.*
- C. CALCULATIONS**
1. *None.*
- D. QUALITY ASSURANCE**
1. *By Miami-Dade County Department of Regulatory and Economic Resources.*
- E. MATERIAL CERTIFICATION**
1. *None.*
- F. OTHERS**
1. *Florida Building Code, 2017 Edition & 2020 Edition Compliance letter, issued by Tilteco, Inc., dated July 21, 2020, signed and sealed by Walter A. Tillit Jr., P.E.*
- 12. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 23-0726.09**
- A. DRAWINGS**
1. *Drawing No. 23-068, titled "Sure-Board Wall Sheathing System", sheets 1 through 5 of 5, prepared by Tilteco, Inc., dated July 07, 2023, last revision #1 dated July 07, 2023, signed and sealed by Walter A. Tillit Jr., P.E., on July 07, 2023.*
- B. TEST**
1. *None.*
- C. CALCULATIONS**
1. *None.*
- D. QUALITY ASSURANCE**
1. *By Miami-Dade County Department of Regulatory and Economic Resources.*
- E. MATERIAL CERTIFICATION**
1. *None.*
- F. OTHERS**
1. *Florida Building Code, 2023 Edition & 2020 Edition Compliance letter, issued by Tilteco, Inc., dated July 07, 2023, signed and sealed by Walter A. Tillit Jr., P.E.*



Helmy A. Makar, P.E., M.S.
Product Control Section Supervisor
NOA No. 24-0410.02
Expiration Date: 06/13/2029
Approval Date: 07/18/2024

International Materials, Inc. dba Intermat, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

13. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. *None.*

B. TEST

1. *None.*

C. CALCULATIONS

1. *None.*

D. QUALITY ASSURANCE

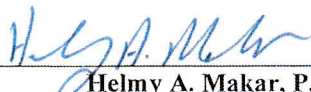
1. *By Miami-Dade County Department of Regulatory and Economic Resources.*

E. MATERIAL CERTIFICATION

1. *None.*

F. OTHERS

1. *Florida Building Code, 2023 Edition & 2020 Edition Compliance letter, issued by Tilteco, Inc., dated 02/12/2024, signed and sealed by Walter A. Tillit Jr., P.E.*



Helmy A. Makar, P.E., M.S.
Product Control Section Supervisor
NOA No. 24-0410.02
Expiration Date: 06/13/2029
Approval Date: 07/18/2024

GENERAL NOTES:

1. THIS PRODUCT APPROVAL DOCUMENT (P.A.D.) APPLIES ONLY TO THE STRUCTURAL WALL SHEATHING INDICATED AND SPECIFIED ON THIS DRAWING, AND HAS BEEN VERIFIED FOR COMPLIANCE IN ACCORDANCE WITH THE 2023 (8th EDITION) AND 2020 (7th EDITION) OF THE FLORIDA BUILDING CODE. SURE-BOARD® WALL SHEATHING MAY BE INSTALLED AT HIGH VELOCITY HURRICANE ZONES (H.V.H.Z.). DESIGN WIND LOADS FOR ANY INSTALLATION SHALL BE DETERMINED AS PER SECTION 1620 OF THE ABOVE MENTIONED CODE, USING ASCE 7-22 (FBC 2023) AND ASCE 7-16 (FBC 2020) AND SHALL NOT EXCEED THE MAXIMUM (A.S.D.) DESIGN PRESSURE RATINGS AND ALLOWABLES INDICATED ON THIS SHEET.

IN ORDER TO VERIFY THE ABOVE CONDITION, ULTIMATE DESIGN WIND LOADS DETERMINED PER ASCE 7-22 OR ASCE 7-16 SHALL BE FIRST REDUCED TO A.S.D. DESIGN WIND LOADS BY MULTIPLYING THEM BY 0.6 IN ORDER TO COMPARE THESE W/ MAX. (A.S.D.) DESIGN PRESSURE RATINGS INDICATED ON THIS SHEET.

2. EXISTING METAL STUDS WHERE SURE-BOARD® WALL SHEATHING WILL BE ATTACHED ARE NOT PART OF THIS APPROVAL, BUT MUST MEET WITH MINIMUM REQUIREMENTS INDICATED ON THIS DRAWING, AND SHALL BE STRUCTURALLY DESIGNED BY A FLORIDA REGISTERED ENGINEER OR ARCHITECT TO SUSTAIN THE SUPERIMPOSED LOADS PER FLORIDA BUILDING CODE AND SHALL BE REVIEWED BY THE STRUCTURAL PLANS EXAMINER WHERE SURE-BOARD WILL BE INSTALLED.

3. ALL SCREWS SHALL BE CORROSION RESISTANT AS PER DIN 50018 WITH FLAT HEAD AND RAISED SIDES TO PREVENT EXCESSIVE PENETRATION WITH MIN. $f_y = 80 \text{ ksi}$ & SHALL COMPLY W/ FLORIDA BUILDING CODE SECTION 2411.3.3.4.

4. MAXIMUM A.S.D. ALLOWABLES, OBTAINED THRU TESTING PERFORMED AS PER TAS 201, 202, 203 AND ASTM E-72, AS PER ATL REPORT 0506.01-03 WITH ADDENDUM & REPORT # LARGE MISSILE IMPACT RESISTANT: 80 FT/SEC. MISSILE SPEED. (9 Lb MISSILE) MAXIMUM SURE-BOARD® PANEL HEIGHT: 108" * MAXIMUM SURE-BOARD® PANEL WIDTH: 48" * MAXIMUM A.S.D. RACKING LOAD PER PANEL: 2200 Lb (550 Lb/Ft)* MAXIMUM LATERAL A.S.D. DESIGN PRESSURE RATING FOR PANELS WITH STUDS @ 16" o.c.: ±64.3 psf * PANELS MAY BE INSTALLED SIDE BY SIDE OR STACKED ON TOP OF EACH OTHER FOLLOWING JOINT DETAIL ON SHEET 2.

5. (a) THIS P.A.D. PREPARED BY THIS ENGINEER IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT, I.E. WHERE THE SITE CONDITIONS DEVIATE FROM THE P.A.D.

- (b) CONTRACTOR TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTALLATION INCLUDING LIFE SAFETY OF THIS PRODUCT BASED ON THIS P.A.D. PROVIDED HE/SHE DOES NOT DEVIATE FROM THE CONDITIONS DETAILED ON THIS DOCUMENT. CONSTRUCTION SAFETY AT SITE IS THE CONTRACTOR'S RESPONSIBILITY.

- (c) THIS P.A.D. WILL BE CONSIDERED INVALID IF MODIFIED.

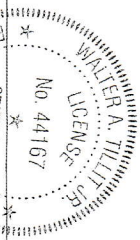
- (d) SITE SPECIFIC PROJECTS SHALL BE PREPARED BY A FLORIDA REGISTERED ENGINEER OR ARCHITECT WHICH WILL BECOME THE PROFESSIONAL OF RECORD (P.O.R.) FOR THE PROJECT, AND SHALL BE RESPONSIBLE FOR THE USE OF THE P.A.D.

THIS DRAWING SHALL ONLY BE USED TO OBTAIN PERMITS IN THE STATE OF FLORIDA

Warning note:

Attention Building Official/Building Inspector
An "original signed and company sealed letter" from Internat Inc. is required proving that the panels were purchased from them in order for this NOA to be valid on any job.

- (e) ORIGINAL P.A.D. SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER THAT PREPARED IT.
6. A PERMANENT PANEL MANUFACTURER'S LABEL SHALL BE PLACED ON THE EXPOSED SURFACE OF THE PANEL. ONE LABEL SHALL BE PLACED FOR EVERY OPENING. LABEL SHALL READ AS FOLLOWS:
"SURE-BOARD® WALL SHEATHING
INTERMAT INC.
COSTA MESA, CA.
MIAMI-DADE COUNTY PRODUCT CONTROL APPROVED



P.E. SEAL/SIGNATURE/DATE
7/7/2023

PRODUCT REVIEWED
in compliance with the Florida
Building Code
Acceptance No. 24-0410-02
Expiration Date 06/13/2029
By *W.A. Tilit*
Member of the Product Council

PREPARED BY:
as complying with the Florida
Building Code
Association No. 23-0726-09
Expiration Date 06/13/2024
By *W.A. Tilit*
Member of the Product Council

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

SURE-BOARD® WALL SHEATHING



TILIT TESTING & ENGINEERING COMPANY
6335 N.W. 36th St., Ste. 305, Virginia Gardens, FL 33166
Phone: 1-800-368-7131
Central: 772-609-0100
CA-0005719
WALTER A. TILIT Jr., P.E.

REV. NO.	DESCRIPTION	DATE	REV. NO.	DESCRIPTION	DATE
1	QID 20-211	12/27/2023	3		

T.M.
 DRAWN BY: 7/7/2023
 DATE: 23-068
 DIVISION NO.

MIAMI DADE COUNTY

SPECIFICATIONS FOR SURE-BOARD®:

1. THE ACRYLIC EMULSION SHALL BE SYSTEM PROOF WEATHER RESISTANT TO SURE-BOARD®. THE UTILIZATION OF DURABLE OPERATIONS BOARD SUBSTRATE (PERMABASE BOARD) COMBINED WITH ACRYLIC FINISH PROVIDES THE DESIRED ESTHETICS OF VARIOUS COLORS AND TEXTURES TO ACHIEVE AN ARCHITECTURALLY PLEASING WALL. THE ACRYLIC ACRYLUM DA SYSTEM IS BACKED BY A 10 YEARS LIMITED MANUFACTURERS WARRANTY ON THE CELESTIOUS BOARD (PERMABASE BOARD) AND A 5 YEARS LIMITED MANUFACTURERS WARRANTY ON ALL COATINGS.

2. ACRYLIC EMULSION, MODEL 5-4233 BY SCAO SOUTHWESTERN ADHESIVE COMPANY, IS A READY TO USE ACRYLIC EMULSION THAT SHALL BE USED TO BOND THE PERMABASE BOARD TO THE GALVANIZED STEEL SKIN BEHIND IT CONSTITUTING THE SURE-BOARD® WALL SHEATHING.

3. PERMABASE™ CEMENT BOARD BY NATIONAL GYPSUM COMPANY, IS A 1/2" THICK, CELESTIOUS TILE BACKER BOARD MADE OF PORTLAND CEMENT, AGGREGATE AND REINFORCED WITH FIBERGLASS MESH. THE BOTTOM (UNEXPOSED) SIDE FINISH HAS A SMOOTH FINISH WITH A FIBERGLASS MESH EMBEDDED IN THE CEMENT SLURRY AND THE TOP (EXPOSED) SIDE FINISH HAS A ROUGH FINISH WITH A FIBERGLASS MESH MECHANICALLY EMBEDDED INTO CONE WITH A WEIGHT OF 3.0 POUNDS PER SQUARE FOOT.

PHYSICAL PROPERTIES:	TEST METHOD	PERMABASE
FLATURAL STRENGTH (Psi)	ASTM C 473	750
COMPRESSIVE STRENGTH (Psi) (DETERMINATION)	ASTM D 2394	2280
FLAME SPREAD/RISQUE DEVELOPED	ASTM E 84	5/0
THERMAL 28°C VALUE	PROPERTY OF MATERIAL	0.2/2.7
SHEAR BOND STRENGTH 7 DAYS:		
DRY-SET PORTLAND CEMENT MORTAR (Psi)	ANSI A118.1	204
LATE-SET PORTLAND CEMENT MORTAR (Psi)	ANSI A118.4	241
ORGANIC ADHESIVE TYPE 1 (Psi)	ANSI A136.1	159

4. ACRYLUM BY ACRYLUM ARCHITECTURAL FINISHING SYSTEMS, INC., IS AN ACRYLIC ADHESIVE AND BASE COAT CONSTITUTION FOR THE ACRYLIC EMULSION. USED TO ENBED REINFORCING MESH AND USED AS A LEVELING COAT. THE PROPER MIXING RATIO IS 12 LB OF WATER TO 50 LB/BAWG OF ACRYLUM, COVERING APPROXIMATELY 100 SQUARE FEET OF WALL.

5. ACRYLUM BY ACRYLUM ARCHITECTURAL FINISHING SYSTEMS, INC., IS A SPECIALLY FORMULATED AND TREATED FIBERGLASS REINFORCING HIGH IMPACT MESH, ALKALI RESISTANT, THICKNESS 0.045+10% INCHES, WEIGHT: 20.5+10% OZ./sq.yd., MINIMUM TENSILE WARP: 800 LB/IN AND MINIMUM TENSILE RIL: 550 LB/IN.

6. ACRYLUM BY ACRYLUM ARCHITECTURAL FINISHING SYSTEMS, INC., IS A READY TO USE WEATHER RESISTANT WALL COATING. IT IS FORMULATED WITH THERMOPLASTIC POLYURETHANE FOR THE MAXIMUM ACRYLUMS IN VARIETY OF COLOR AND TEXTURES. TO LB PNL COVERS APPROXIMATELY 100-180 SQUARE FEET OF WALL DEPENDING ON TEXTURE.

7. SURE BOARD® BEANS ALSO A CURRENT UNIFORM EVALUATION SERVICES REPORT (#129).

8. ACRYLUM ACRYLUM DA SYSTEM BEANS AN EVALUATION REPORT BASED ON THE FOLLOWING TESTING PERFORMED ON THIS PRODUCT:
 -TEST REPORTS ON ACRYLUM, PREPARED BY APPLIED CONSUMER SERVICES INC.

NUMBER	TEST	ADDITIONAL TESTS
2325-A	ASTM C 26, WEATHERING EXPOSURES	ADDITIONAL TESTS
2325-B	ASTM E 96, WATER PENETRATION	REPORT ON WATER PENETRATION UNDER WOODEN ASTM E 108, PREPARED BY TESTING CONSULTANTS, INC. PROJECT NUMBER 000101
2325-C	ASTM D 4111, ADHESION TEST	-TEST REPORT ON SURFACE BURNING CHARACTERISTICS OF ACRYLUM AND ACRYLUM FINISH APPLIED TO GRC BOARD, TESTED UNDER ASTM E-84, PREPARED BY COMMERCIAL TESTING COMPANY, REPORT NO. 75239.
2325-D	ASTM D 2240, HARDNESS TEST	-TEST REPORT ON WATER PENETRATION UNDER WOODEN ASTM E 108, PREPARED BY TESTING CONSULTANTS, INC. PROJECT NUMBER 000101
2325-E	ASTM C 177, THERMAL RESISTANCE	REPORT ON IMPACT LOAD RESISTANCE OF ACRYLUM DA FINISH SYSTEMS UNDER ENA TEST METHOD AND STANDARD 101.68, PREPARED BY ACRYLUM, INC.
2325-F	ASTM C 6, WATER ABSORPTION	-TEST REPORT ON IMPACT LOAD RESISTANCE OF ACRYLUM DA FINISH SYSTEMS UNDER ENA TEST METHOD AND STANDARD 101.68, PREPARED BY ACRYLUM, INC.
2325-G	FS TT-0-555, WIND DRIVEN RAIN	REPORT ON IMPACT LOAD RESISTANCE OF ACRYLUM DA FINISH SYSTEMS UNDER ENA TEST METHOD AND STANDARD 101.68, PREPARED BY ACRYLUM, INC.
2325-H	ASTM B 177, SALT FOG	REPORT ON IMPACT LOAD RESISTANCE OF ACRYLUM DA FINISH SYSTEMS UNDER ENA TEST METHOD AND STANDARD 101.68, PREPARED BY ACRYLUM, INC.
2325-I	ASTM C 6, P/4, FREEZE/THAW	REPORT ON IMPACT LOAD RESISTANCE OF ACRYLUM DA FINISH SYSTEMS UNDER ENA TEST METHOD AND STANDARD 101.68, PREPARED BY ACRYLUM, INC.
2325-J	ASTM D 698, SAND ABRASION	REPORT ON IMPACT LOAD RESISTANCE OF ACRYLUM DA FINISH SYSTEMS UNDER ENA TEST METHOD AND STANDARD 101.68, PREPARED BY ACRYLUM, INC.
2325-K	ASTM D 690, SAND ABRASION	REPORT ON IMPACT LOAD RESISTANCE OF ACRYLUM DA FINISH SYSTEMS UNDER ENA TEST METHOD AND STANDARD 101.68, PREPARED BY ACRYLUM, INC.
2325-L	ASTM D 690, SAND ABRASION	REPORT ON IMPACT LOAD RESISTANCE OF ACRYLUM DA FINISH SYSTEMS UNDER ENA TEST METHOD AND STANDARD 101.68, PREPARED BY ACRYLUM, INC.
2325-M	CHEMICAL RESISTANCE	REPORT ON IMPACT LOAD RESISTANCE OF ACRYLUM DA FINISH SYSTEMS UNDER ENA TEST METHOD AND STANDARD 101.68, PREPARED BY ACRYLUM, INC.

Warning note:
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APPLICATION SEQUENCE:

1. SPREAD 6-8 MIL OF ACRYLIC EMULSION TO BOND THE 22 GAUGE GALVANIZED STEEL SKIN (LARGELY ATTACHED TO WALL PANEL STEEL FRAME) TO THE PERMABASE™ CEMENT BOARD CONSTITUTING THE SURE-BOARD® SYSTEM.

2. USE (5) #10x1/4" S.M.S. LOCATED AT 2 1/4" FROM END, 8", 13" 1/2", 14", 7 1/2" TO SECURE PERMABASE™ CEMENT BOARD TO HORIZONTAL TOP AND BOTTOM SIP TRUCK AND USE (17) #10x1 1/2" S.M.S. STARTING AT 6" FROM BOTTOM AT 6" O.C. MAX. TO SECURE PERMABASE™ CEMENT BOARD TO 20 GAUGE GALVANIZED STEEL VERTICAL STUDS SPACED AT 16" O.C. MAX.

3. APPLY ACRYLUM AND ENBED 9 1/4" WIDE FIBERGLASS MESH INTO THE WET ACRYLUM OVER EVERY JOINT BETWEEN PANELS AND PANEL EDGE AROUND DOOR AND WINDOWS. A PERIOD OF 24 HOURS SHALL LAPSE BETWEEN THE INSTALLATION OF THE JOINT MESH AND THE ACRYLUM LEVELING COAT.

4. APPLY ACRYLUM LEVELING COAT USING 1/2"x1/2" STAINLESS STEEL NOTCHED TROWEL WITH 1 1/2" SPACE BETWEEN NOTCHES TO THE EXPOSED SURFACE OF BOARD AT A UNIFORM THICKNESS. A PERIOD OF 24 HOURS SHALL LAPSE BEFORE INSTALLING THE FINISH COAT.

5. FINISH WALL USING A STAINLESS STEEL TROWEL, APPLY AND LEAVE A COAT OF TROWEL FINISHES EFFECT OR SAND EFFECT TO A UNIFORM THICKNESS, APPROXIMATELY 1 TO 1 1/2 TIMES THE LARGEST AGGREGATE. THE TEXTURE IS ACHIEVED BY UNIFORM HAND MOTION AND TYPE OF TOOL USED. MAINTAIN WET EDGE FOR UNIFORMITY OF COLOR AND TEXTURE. A TIGHT COAT OF ACRYLUM ACRYLUM SHALL BE APPLIED CONTINUOUSLY TO A THICKNESS NOT GREATER THAN THE LARGEST AGGREGATE. A WET EDGE SHALL BE MAINTAINED LEVING AND TROWELING SHALL TAKE PLACE IN ONE OPERATION. ACRYLUM DRYING TIME IS 24 HOURS. OVERALL AVERAGE THICKNESS OF ACRYLUM DA SYSTEM IS 3/16".

6. TO REDUCE THE RISK OF DAMAGING WATER SENSITIVE SHEATHING OR FRAMING, ALL WINDOW AND DOOR OPENINGS MUST BE PROPERLY FLASHED AND WATERPROOFED AND INCIDENTAL WATER SHALL BE ALLOWED TO ESCAPE. PLEASE REFER TO SHEET 3 OF 10 FOR DTP.

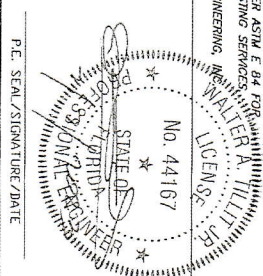
7. SEALING DETAIL AT JOINT BETWEEN PANELS AND SHEET 10 OF 10 FOR DTP. SEALING DETAIL AT BOTTOM OF PANEL, FOLLOW WINDOW AND DOOR MANUFACTURERS RECOMMENDATIONS FOR PROPER INSTALLATION. SEALING DETAILS ON SHEET 9 OF 10 ARE TYPICAL AND SHOW THE INTENT TO PREVENT WATER INFILTRATION INTO AND BEHIND THE SYSTEM. SEE CORNER DETAIL ON SHEET 10 OF 10. ALTERNATE DETAILS AND SPECIFIC CONDITIONS NOT COVERED BY THE TYPICAL DETAILS ARE THE RESPONSIBILITY OF THE LICENSED DESIGN PROFESSIONAL (OR RECORD FOR THE BUILDING WHERE THIS SYSTEM WILL BE USED, IN CONSULTATION WITH WELBILT INTERNATIONAL, INC.

8. TEMPORARY PROTECTION SHALL BE PROVIDED AT ALL TIMES UNTIL BASE COAT, FINISH, AND PERMANENT FLASHINGS, SEALANT, ETC. ARE COMPLETED TO PROTECT THE WALL FROM WEATHER AND OTHER DAMAGE. SEALANT AND FLASHINGS SHALL BE INSTALLED PROMPTLY.

9. GLASS FIBER OR SWR BLANKET INSULATION MAY BE INSERTED IN THE WALL CAVITY FOR BETTER THERMAL AND SOUND PERFORMANCE.

10. THE MANUFACTURER'S PUBLISHED INSTALLATION INSTRUCTIONS AND THIS DRAWING SHALL BE STRICTLY ADHERED TO AND A COPY OF THE INSTRUCTIONS SHALL BE AVAILABLE AT ALL TIMES ON THE JOB SITE DURING INSTALLATION.

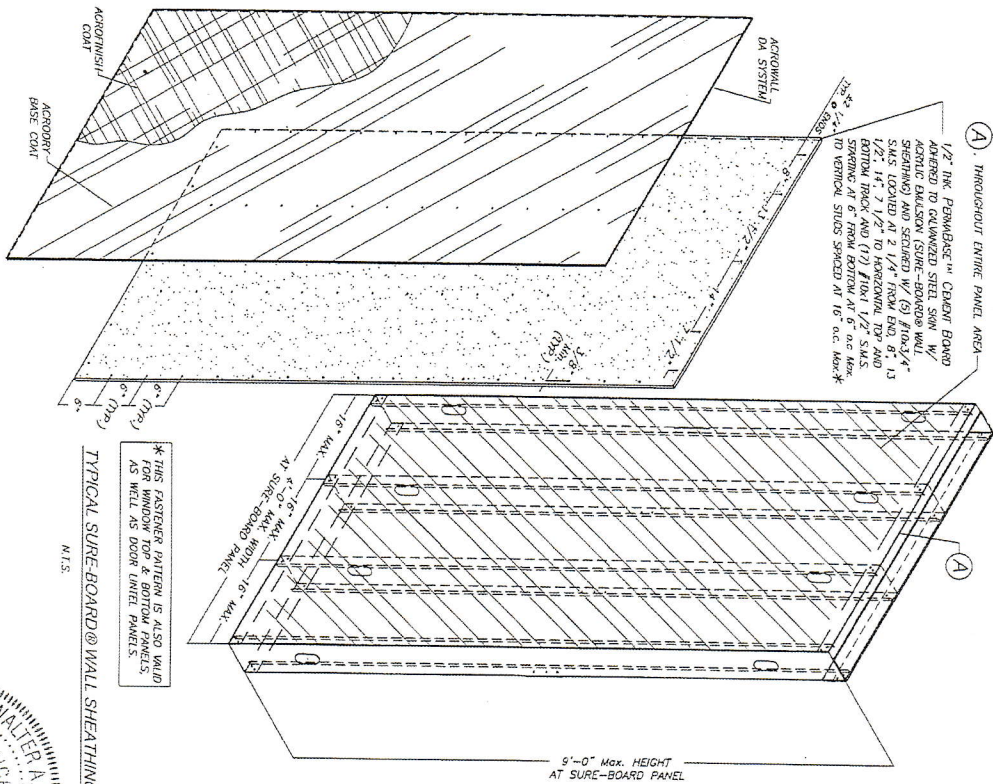
11. THE INSTRUCTIONS WITHIN THIS DRAWING GOVERN IF THERE ARE ANY CONFLICTS BETWEEN THE MANUFACTURER'S INSTRUCTIONS AND THIS DRAWING.



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FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)
 SURE-BOARD® WALL SHEATHING
 Y.M. DRAWN BY: 7/7/2023
 DATE: 23-068
 DRAWING NO. SHEET 2 OF 5

TILTECO INC.
 TILTEC TESTING & ENGINEERING COMPANY
 2045 PASCENTIA AVE.
 COSTA MESA, CA 92627
 Phone: (714) 961-1520 Fax: (714) 961-1531
 Email: tilteco@tilteco.com
 Walter A. Tillet Jr., P.E.
 Florida Lic. # 44167

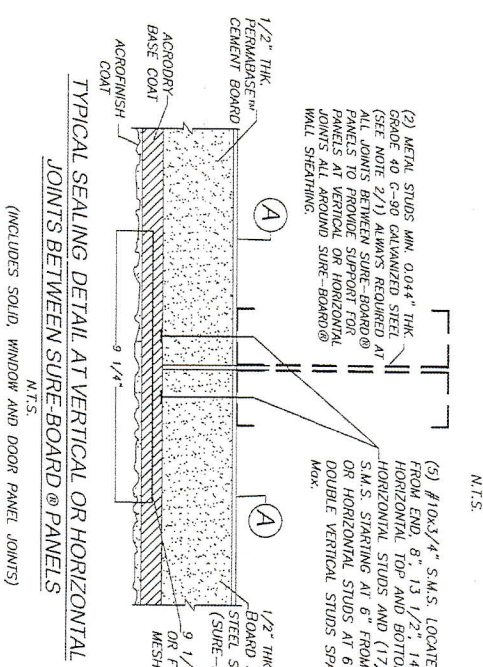
PRODUCT BEHAVIOR
 as complying with the Florida Building Code 24-0910.02
 Acceptance Date 06/13/2023
 Expiration Date 06/13/2024
 By: [Signature]
 Title: [Title]



* THIS PATTERN IS ALSO VALID AS WELL AS DOOR PANELS.

TYPICAL SURE-BOARD® WALL SHEATHING PANEL ASSEMBLY

N.T.S.



TYPICAL SEALING DETAIL AT VERTICAL OR HORIZONTAL JOINTS BETWEEN SURE-BOARD® PANELS

(INCLUDES SOLID WINDOW AND DOOR PANEL JOINTS)

N.T.S.

FRAMING COMPONENTS

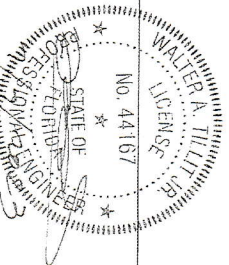
- (A) 4" WIDE x 9" (MAX.) HIGH STEEL SHEET (0.027" THICK MIN. GALV. STEEL) ASTM A-653 GRADE 40 MIN. W/ 47.0 KSI MIN. YIELD STRENGTH (AFTER ROLLED) C-90 GALVANIZED
- (2) METAL STUDS MIN. 0.014" THICK GRADE 40 C-90 GALVANIZED STEEL (SEE NOTE 2/1) ALWAYS REQUIRED AT ALL JOINTS BETWEEN SURE-BOARD® PANELS TO PROVIDE SUPPORT FOR JOINTS AT VERTICAL OR HORIZONTAL WALL SHEATHING.
- (3) #10x3/4" S.M.S. LOCATED AT 2 1/4" FROM END, 8", 13 1/2", 14", 7 1/2" TO HORIZONTAL TOP AND BOTTOM TRACK OR HORIZONTAL STUDS AND (17) #10x1 1/2" S.M.S. STARTING AT 6" FROM BOTTOM TRACK OR HORIZONTAL STUDS AT 6" o.c. MAX. TO DOUBLE VERTICAL STUDS SPACED AT 16" o.c. MAX.

N.T.S.

PRODUCT RENEWED in compliance with the Florida Building Code. Acceptance No. 24-0910-02 Expiration Date 06/15/2024 By: *Walter A. Tilt* Member License # 44167

REGISTERED PROFESSIONAL ENGINEER
 Building Code Acceptance No. 23-0726-09 Expiration Date 06/15/2024 By: *Walter A. Tilt* Member License # 44167

Warning note:
 Attention Building Official/Building Inspector
 An "original signed and company sealed letter" from Internal Inc. is required proving that the panels were purchased from them in order for this NOA to be valid on any job.



P.E. SEAL/SIGNATURE/DATE



FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

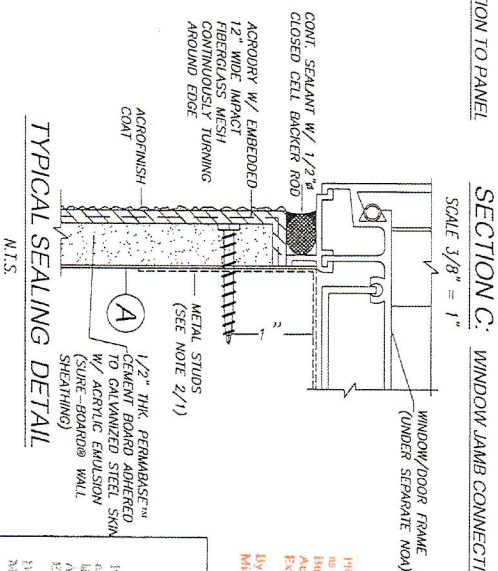
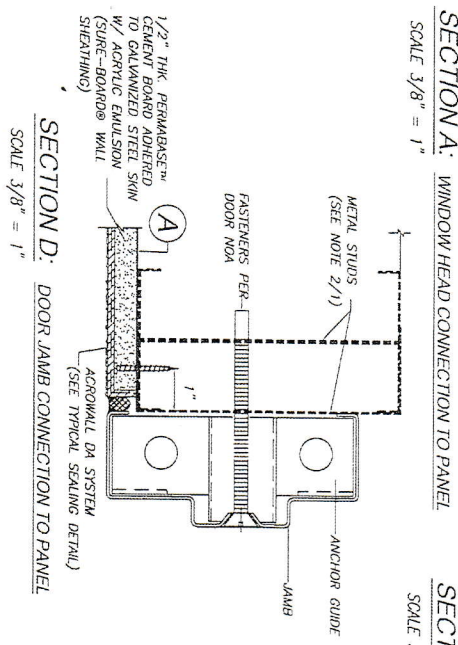
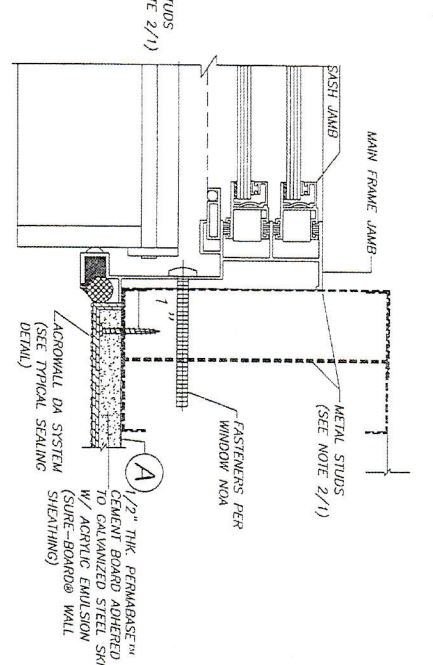
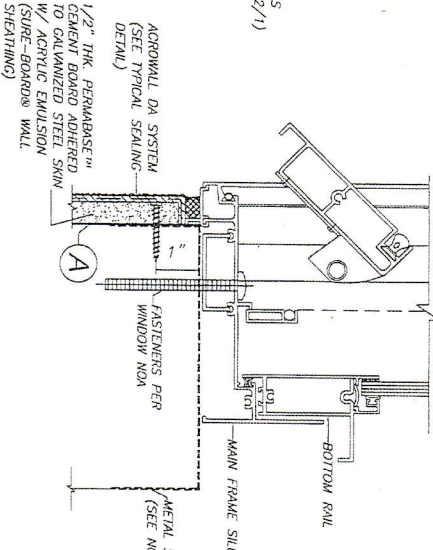
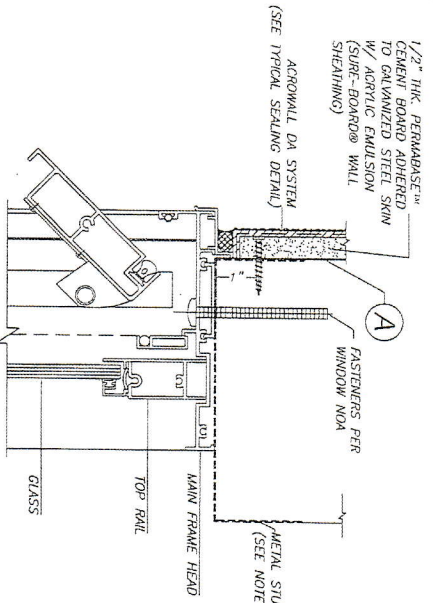
SURE-BOARD® WALL SHEATHING

INTERMAT INC.
 2045 PLACENTIA AVE.
 COSTA MESA, CA 92627

TILT TESTING & ENGINEERING COMPANY
 6355 N.W. 26th St., Ste. 205, Virginia Gardens, Ft. Lauderdale, FL 33316
 Phone: (305) 771-1330 Fax: (305) 771-1531
 e-mail: info@tilttest.com
 WALTER A. TILT, Jr., P.E.
 FLORIDA Lic. # 44167

REV. NO.	DESCRIPTION	DATE	REV. NO.	DATE
1		02/20/21	4	
2		07/20/23		

DATE: 7/7/2023
 DRAWING No. 23-068
 SHEET 3 OF 5



Warning note:
 Attention Building Official/Building Inspector
 An "original signed and company sealed letter" from Intermat Inc. is required proving that the panels were purchased from them in order for this NOA to be valid on any job.

PROFESSIONAL ENGINEER
 STATE OF FLORIDA
 No. 44167
 WALTER A. TILLIT JR.
 LICENSE
 7/7/2023

©2023 TILTECO, INC.
FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)
 MAHMI DADE COUNTY

TILTECO Inc.
 TILIT TESTING & ENGINEERING COMPANY
 6335 N.W. 20th St., Ste. 205, Virginia Gardens, FL 33166
 Phone: (305) 491-1100 Fax: (305) 971-1531
 CA-0006719
 WALTER A. TILLIT JR., P.E.
 FLORIDA Lic. # 44167

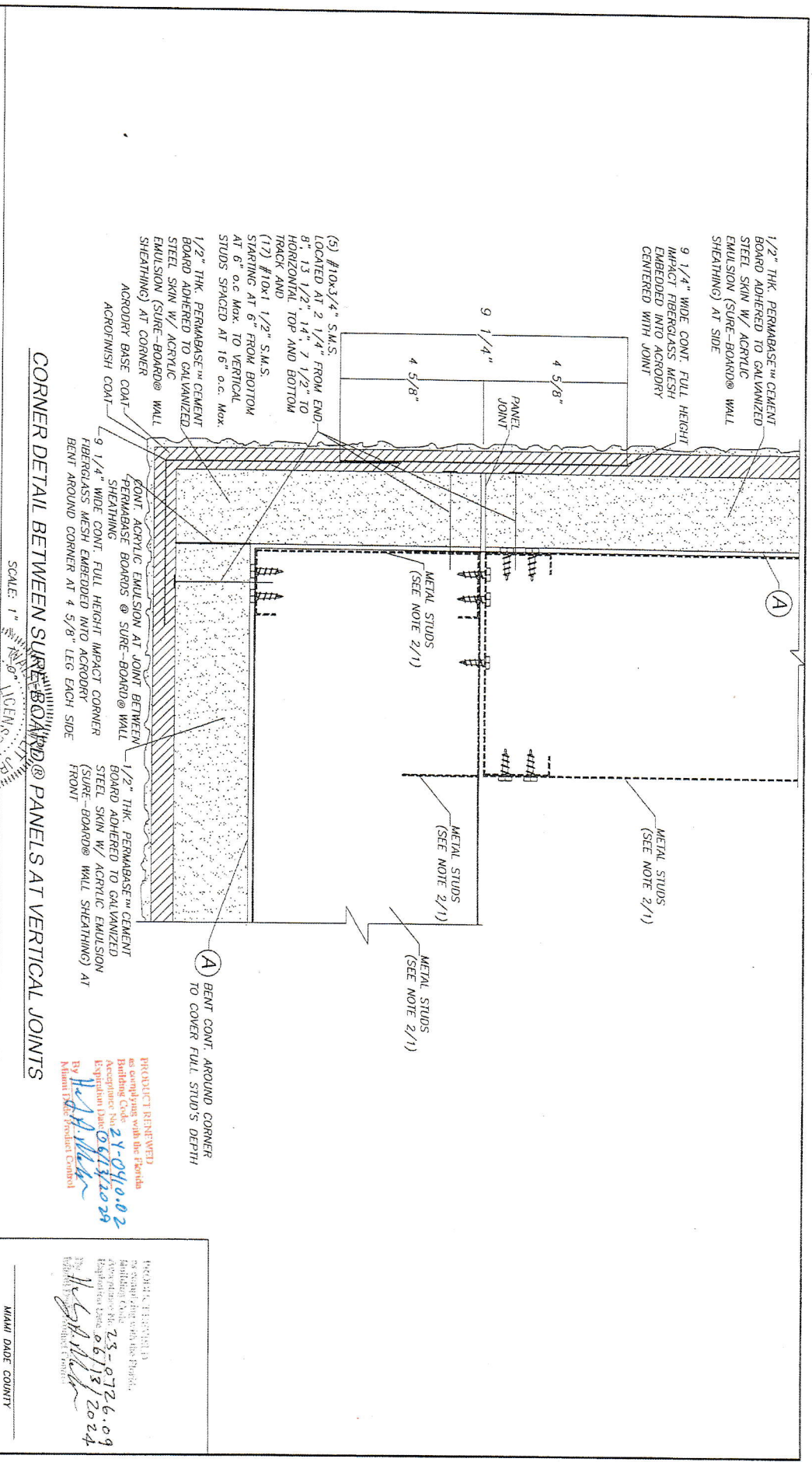
REV. NO.	DESCRIPTION	DATE	REV. NO.	DESCRIPTION	DATE
1	ISSUE	02/28/21	2		
3		07/2023			

SURE-BOARD® WALL SHEATHING
INTERMAT INC.
 2045 PLACENTIA AVE.
 COSTA MESA, CA 92627
 SUPPORT @ SUREBOARD.COM

Y.M.
 DRAWN BY: 7/7/2023
 DATE: 23-068
 DRAWING NO. SHEET 4 OF 5

PRODUCT RETURNED
 as complying with the Florida
 Building Code
 Acceptance No. 24-0410.02
 Expiration Date 06/13/2029
 By: *Walter A. Tillit Jr.*
 Mahmi Dade County

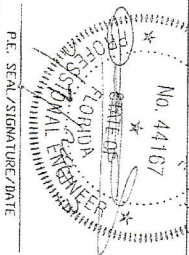
PROPERTY REVIEWED
 as compliance with the Florida
 Building Code
 Acceptance No. 23-0726.09
 Expiration Date 06/13/2024
 By: *Walter A. Tillit Jr.*
 Mahmi Dade County



CORNER DETAIL BETWEEN SURE-BOARD® WALL SHEATHING @ PANELS AT VERTICAL JOINTS

SCALE: 1" = 1'-0"

Warning note:
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TITECO INC.
 TITESTING & ENGINEERING COMPANY
 6355 N.W. 36th St., Ste. 205, Virginia Gardens, FL 33166
 Phone: 954-241-1531
 E-Mail: titeco@titeco.com
 WAJ/TGA
 FLORIDA Lic. # 44167

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

NO. NO.	DESCRIPTION	DATE	NO. NO.	DESCRIPTION	DATE
1	SURE-BOARD® WALL SHEATHING	7/7/2023	2		

Y.M.
 DRAWN BY: 7/7/2023
 DATE: 23-068
 DRAWING NO. 23-068
 SHEET 5 OF 5

PROJECT BENT WEB
 as complying with the Florida
 Building Code 23-094.0-02
 Acceptance No. 06132023
 Expiration Date 06/13/2024
 By: *[Signature]*
 Miami Dade Product Control

FOR A FURTHER
 INFORMATION
 23-0726-09
 06/13/2024
[Signature]

MIAMI DADE COUNTY