



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

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/building

Fiberesin Industries, Inc.
37031 E. Wisconsin Ave.
Oconomowoc, WI 53066

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 Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Stonewood Composite Architectural Wall Panel System – L.M.I.

APPROVAL DOCUMENT: Engineering Report & Drawings No. **20-248-wall-ER**, titled “Stonewood Exterior Architectural Panels - Composite Wall Panel System”, sheets 1 through 11 of 11, dated 01/23/18 and with revision dated 07/07/21, prepared by CBUCK, Inc., signed and sealed by James L. Buckner, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

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, model/series, 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 **revises and renews** NOA No. **17-1206.11** and consists of this page 1 and evidence pages E-1, E-2 and E-3, as well as approval document mentioned above.

The submitted documentation was reviewed by **Manuel Perez, P.E.**




10/1/21

NOA No. 21-0722.02
Expiration Date: September 22, 2026
Approval Date: October 14, 2021
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NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's

A. DRAWINGS

1. Manufacturer's drawings and sections.
(Submitted under NOA No. 15-1103.05)
2. Engineering Report & Drawings No. **17-191-wall-ER**, titled "Stonewood Exterior Architectural Panels - Composite Wall Panel System", sheets 1 through 11 of 11, dated 05/04/16, with revision dated 01/23/18, prepared by CBUCK, Inc., signed and sealed by James L. Buckner, P.E.
(Submitted under NOA No. 17-1206.11)

B. TESTS

1. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings of Stonewood Exterior Architectural Panels, prepared by Intertek-ATI, Test Report No. **E0329.01-602-18**, dated 01/29/15, signed and sealed by Shawn G. Collins, P.E.
(Submitted under NOA No. 15-1103.05)
2. Test reports on: Mechanical Properties of the Stonewood Architectural Panels per ASTM D4761-13 and Mechanical Fasteners in the Stonewood Architectural Panels per ASTM D1761-12, prepared by Intertek-ATI, Test Report No. **F4932.01-106-18**, dated 03/19/16, signed and sealed by Joseph A. Reed, P.E.
(Submitted under NOA No. 15-1103.05)

C. CALCULATIONS

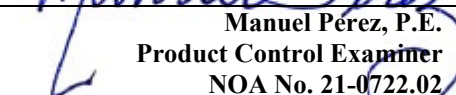
1. None.

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

E. MATERIAL CERTIFICATIONS

1. Test reports on Surface Burning Characteristics per ASTM E84-15 of Stonewood UV-FR Expera 70# Class A – Trial 1 paper, prepared by Intertek, Test Report No. **102354564SAT-001A**, dated 11/16/15, with revision 1 dated 08/05/16, signed and sealed by Rick Curkeet, P.E.
(Submitted under NOA No. 15-1103.05)


Manuel Pérez, P.E.
Product Control Examiner
NOA No. 21-0722.02
Expiration Date: September 22, 2026
Approval Date: October 14, 2021

Fibersin Industries, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED


1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's (CONTINUED)

F. STATEMENTS

1. Statement letter of code conformance to the **FBC 6th Edition (2017)**, dated 01/23/18, issued by CBUCK, Inc., signed and sealed by James L. Buckner, P.E.
(Submitted under NOA No. 17-1206.11)
2. Statement letter of no financial interest, dated 05/30/16, issued by CBUCK, Inc., signed and sealed by James L. Buckner, P.E.
(Submitted under NOA No. 15-1103.05)

G. OTHERS

1. Notice of Acceptance No. **15-1103.05**, issued to Fibersin Industries, Inc. for their Stonewood Composite Architectural Wall Panel System - L.M.I., approved on 09/22/16 and expiring on 09/22/21.


Manuel Pérez, P.E.
Product Control Examiner
NOA No. 21-0722.02
Expiration Date: September 22, 2026
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NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. Engineering Report & Drawings No. **20-248-wall-ER**, titled “Stonewood Exterior Architectural Panels - Composite Wall Panel System”, sheets 1 through 11 of 11, dated 01/23/18, with revision dated 07/07/21, prepared by CBUCK, Inc., signed and sealed by James L. Buckner, P.E.

B. TESTS

1. None.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS


1. None.

F. STATEMENTS

1. Statement letter of conformance, complying with the **FBC 7th Edition (2020)** dated July 07, 2021, issued by CBUCK, Inc., signed and sealed by James L. Buckner, P.E.

G. OTHERS

1. Notice of Acceptance No. **17-1206.11**, issued to Fibersin Industries, Inc. for their Stonewood Composite Architectural Wall Panel System - L.M.I., approved on 02/15/18 and expiring on 09/22/21.


Manuel Perez, P.E.
Product Control Examiner
NOA No. 21-0722.02
Expiration Date: September 22, 2026
Approval Date: October 14, 2021

Engineering Report & Drawings
Of
Fibersin Industries, Inc.
"Stonewood Exterior Architectural Panels"
Composite Wall Panel System

For
Miami-Dade Notice of Acceptance (N.O.A.)

Category: Cladding
Sub - Category: Siding

Prepared by:
James L. Buckner, P.E.
Florida Professional Engineer # 31242

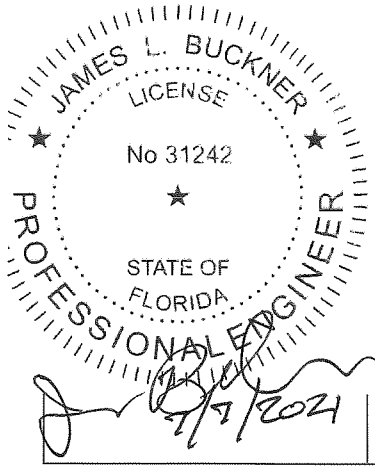
Report No.: 20-248-wall-ER
Date: 7 / 7 / 2021

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PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 21-0722.02
Expiration Date: 09/22/2026
By: Manuel Perez
Miami-Dade Product Control

Fibersin "Stonewood" Composite Wall Panel Systems
ENGINEERING REPORT

 CBUCK Engineering Specialty Structural Engineering CBUCK, Inc. COA #8064 www.cbuckinc.net (561) 491-9927 1374 Community Drive Jupiter, FL 33458	MANUFACTURER: Fibersin Industries, Inc. 37031 E Wisconsin Ave. P.O. Box 88 Oconomowoc, WI 53066	DATE: 7/7/2021
		PAGE #: 1 OF 11
		REPORT #: 20-248-wall-ER
		PROJECT #: 20-248
		DRAWN BY: YD
		REVISIONS: 7/7/2021 & 1/23/18

1.0 Product:

- 1.1 Manufacturer: Fibresin Industries, Inc.
- 1.2 Product Name: "Stonewood Exterior Architectural Panels"
- 1.3 Category: Cladding
- 1.4 Subcategory: Siding

2.0 Evaluation Scope:

2.1 Evaluation Criteria:

Florida Building Code (FBC) 7th Edition (2020)
Code Section: High Velocity Hurricane Zone (HVHZ)
Miami-Dade Department Of Regulatory And Economic Resources, Product Control Section
Checklists # 0285, # 0275 and # 0475

2.2 Properties Evaluated:

Wind Resistance Properties
Uniform Static Air Pressure per TAS 202
Air Infiltration per TAS 202
Water Penetration per TAS 202
Cyclic Wind Pressure per TAS 203

Material Properties
Moisture Durability per ASTM D4761 & ASTM D1761

Fire and Flame Properties
Flame Spread Index per ASTM E84
Smoke Developed Index per ASTM E84

2.3 Limits of Evaluation:

This product is limited to compliance with the criteria in section 2.1 and properties in section 2.2 of this report.

3.0 Evaluated Uses:

Fibresin "Stonewood Architectural Panels" are evaluated for use as ventilated exterior wall panels for building cladding or rainscreen applications.

4.0 Assembly Description:

4.1 General:

Fibresin "Stonewood Architectural Panels" are manufactured with a phenolic resin-impregnated kraft paper and a face of melamine resin-impregnated decorative pattern, compressed at high pressure and temperature protected by a UV-blocking layer. These panels can be applied in both vertical and horizontal orientation. Panels are anchored to supports with clips, screws and aluminum furring.

4.2 Panel Dimensions:

Height*: 4 ft. (48") Maximum
Width*: 8 ft. (96") Maximum
Evaluated Thickness: 3/8"

* Height and Width may be reversed depending on the panel orientation.

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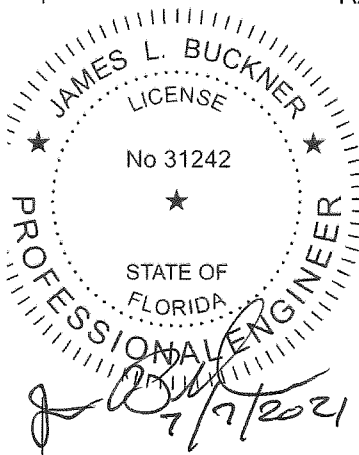
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5.0 Support:

The Support structural is designed by others and shall have the following minimum Characteristics:

Type: Vertical Studs
Material: Steel
Thickness: 18 Ga. Minimum
Yield Strength: 33 ksi Minimum
Support Spacing: 16" o.c. Maximum

6.0 Performance:

6.1 Wind Resistance:

Standard: TAS 202 & 203
Design Pressure (ASD): Positive + 75 PSF
Negative - 75 PSF

Notes:

- Design pressures based on support conditions listed in section 5.0 of this report
- Allowable design pressure(s) for allowable stress design (ASD).
- Fastener Attachment to Steel Supports May Be Designed By A Qualified Design Professional As Required By The Florida Building Code For Site Specific Projects.
- Diaphragm and axial load capacity are not included in this evaluation.

6.2 Air Infiltration:

Standard: TAS 202
Results: < 0.01 cfm/ft²

6.3 Water Penetration:

Standard: TAS 202
Results: Passed

6.4 Cyclic Wind Pressure:

Standard: TAS 203
Results: Passed

6.5 Fire Classification:

Standard: ASTM E 84

	Required	Tested
Flame Spread Index:	< 75	5
Smoke Developed Index:	< 450	5

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7.0 Installation:

- Attach 5/8" plywood sheathing to steel studs with #8 x 1-1/4" hex-head screws, spaced 16" o.c. in both vertical and horizontal directions.
- Install the Vaproshield Reveal Shield SA per the manufacturer's instruction with a 6" overlap and Dow758 sealant in corners and terminating edges.
- Position the 2" Cascadia clips per manufacturer's instructions at each stud (16" on center) and 24" vertical spacing along each studs.
- Attach the Cascadia Clips to the Vertical steel stud supports by passing the fasteners through the aluminum furring and Cascadia clips. Fastener Spacing is 16" Horizontally & 24" Vertically to match the Cascadia Clip layout. For additional information, refer to Standard Stonewood Details (www.stonewoodpanels.com)

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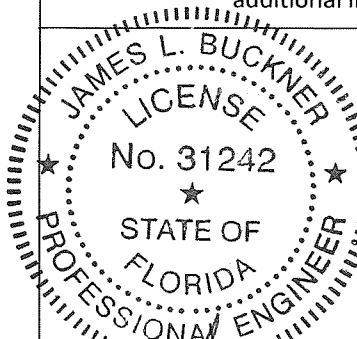
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- Mount panels to the vertical aluminum furring ensuring that each panel has 1 fixed point in the center and the rest floating points as detailed in the standard Stonewood installation instructions.

8.0 Limitations of Use:

- 8.1 The panel supports shall be 18 gauge minimum.
- 8.2 Maximum support spacing shall not be exceeded.
- 8.3 The panels shall be supported by structural framing members complying with the Miami-Dade (Florida High velocity zone) code.
- 8.4 Panel shall not be used as axial load bearing components and shall not be intended / designed to act as a diaphragm.
- 8.5 The engineer of record or architect shall verify that the supporting structure is capable of resisting the superimposed loads from the wall panel system and that the supporting structure is capable of providing lateral stability to carry the wind loads to the building foundation.

9.0 Code Compliance

- 9.1 Product meets the High Velocity Hurricane Zone (HVHZ) Requirements of the Florida Building Code, 7th Edition (2020) for the properties evaluated.

10.0 Identification:

- 10.1 Each Panel shall bear a permanent label with the manufacturer's name or logo, manufacturing plant's city, state and the statement reading "Miami-Dade County Product Control Approved" is to be located on each panel.

11.0 Reference Data:

- 11.1 TAS 202 – Air Infiltration Test, Uniform Static Air Pressure Test & Water Resistant Test
TAS 203 – Cyclic Wind Pressure Loading.

By: Intertek/Architectural Testing, Inc. (Schofield, WI)

Report No.: E0329.01-602-18; Report Date: 1/29/15

- 11.2 Durability of Wood-Base Structural Composite Panels

ASTM D 4671 – Flexural Strength

ASTM D 1761 – Fastener Pull-Through, Horizontal & Vertical Shear

By: Intertek/Architectural Testing, Inc. (York, PA)

Report Number: F4932.01-106-18; Report Date: 3/29/16

- 11.3 ASTM E 84 – Flame Spread Index /Smoke Density

By: Intertek Testing Services NA, Inc. (Elmendorf, TX)

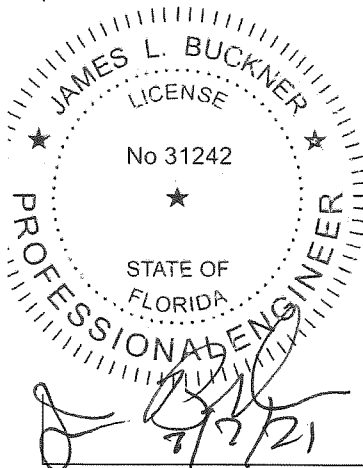
Report Number: 102354564SAT-001A; Report Date: 11/16/15

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Fiberesin "Stonewood" Composite Wall Panel Systems ENGINEERING REPORT

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12.0 Product Components:

12.1 Panel

Identification: Stonewood Exterior Architectural Wall Panel
Exterior Finishes: Available in various architectural finishes & profiles.
Core Material: Phenolic Resin
Surface Material: Melamine Resin (Hard Thermosetting Plastic)
Core Density: 82 pcf Nominal
Tensile Strength: 13 ksi Minimum (Per ASTM D638)
Flexural Strength: 16 ksi Minimum (Per ASTM D790)

12.2 NorthClad Extruded Aluminum Vertical "Hat" Furring:

Use: This is a hat channel used to secure panels to the Cascadia Clips.
Part No.: EFHB
Material: Aluminum
Alloy: 6061-T6
Nominal Thickness: 0.090"
Nominal Dimension: 1" x 5"

12.3 NorthClad Extruded Aluminum Vertical "Z" Furring:

Use: This is a "Z" channel used to secure panels to the Cascadia Clips.
Part No.: EFZM & EFZB
Material: Aluminum
Alloy: 6061-T6
Nominal Thickness: 0.090"
Nominal Dimension: 1" x 2.25"

12.4 2" Cascadia Clip:

Use: This is a thermal spacer component used to secure extruder aluminum furring to vertical steel studs.
Manufacturer: Cascadia Windows LTD.
Material: Fiberglass
Nominal Dimension: 2" Depth x 4" Long

12.5 Horizontal Joint Flashing:

Use: This is a brake formed flashing component installed over the vertical furring and secured with panel screws.
Part No.: EFB03
Material: Aluminum
Alloy: 6061-T6
Nominal Thickness: 0.032"
Nominal Dimension: 2-11/16" x width of panel

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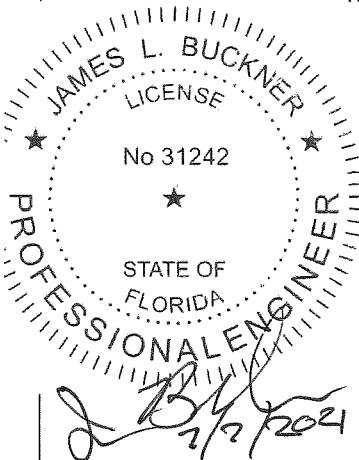
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REVISIONS: 7/7/2021 & 1/23/18



12.6 Perforated Top Flashing:

Use: This is a brake formed flashing component located typically at the top of the wall and at window sill.

Location: This component is sandwiched between the Cascadia clips and the vertical furring.

Part No.: EFB01

Material: Aluminum

Alloy: 6061-T6

Nominal Thickness: 0.032"

Nominal Dimension: 1.4 x 2.5

12.7 Perforated Sill "L" Flashing:

Use: This is a brake formed flashing component located typically at the base of the wall and at window head.

Location: This component is sandwiched between the Cascadia clips and the vertical furring.

Part No.: EFB01

Material: Aluminum

Alloy: 6061-T6

Nominal Thickness: 0.032"

Nominal Dimension: 1.4 x 2.5

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12.8 Insulation Board:

Use: This is an insulation layer located between the extruded aluminum furring and the plywood sheathings.

Identification: Roxul® CavityRock

Material: Fiberglass

Nominal Board Thickness: 2"

Nominal Board Dimension: 16" Wide x 48"

12.9 Sheathing Board:

Use: This is a sheathing board located between steel stud supports and Cascadia Clips.

Identification: CDX Plywood

Nominal Board Thickness: 5/8" (19/32")

12.10 Vapor Barrier/Underlayment:

Use: This is a water resistive vapor permeable air barrier sheet membrane self-adhered to plywood sheathing.

Identification: RevealShield SA™

Part No.: 13309090

Nominal Roll Thickness: 0.626 mil

Nominal Roll Dimension: 59" x 102"

Fiberesin "Stonewood" Composite Wall Panel Systems
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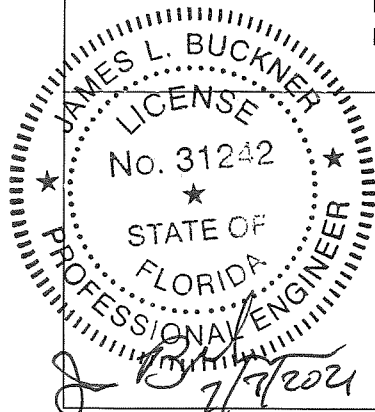
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12.11 Panel Fasteners:

Use: These are screws used to attach the Fiberesin panel to extruded aluminum furring.

Size: #12 × 1-3/16

Type: Truss Head, Self-Drilling Screws w/ Neoprene Washers

Material: Stainless Steel

Corrosion Resistance: Per FBC HVHZ Specifications

12.12 Clip Fasteners:

Use: This is a screw used to attach the extruded aluminum furring through the Cascadia Clips to Steel Studs.

Size: #14 × 4"

Type: Hex Head, Self-Drilling Screws w/ Neoprene Washers

Material: Stainless Steel

Corrosion Resistance: Per FBC HVHZ Specifications

12.13 Plywood Fasteners:

Use: These are screws used to attach the plywood sheathings to Steel Studs.

Size: #8 × 1-1/4"

Type: Self-Drilling Screw, THP

Material: Stainless Steel

Corrosion Resistance: Per FBC HVHZ Specifications

Vertical Spacing: 16" o.c.

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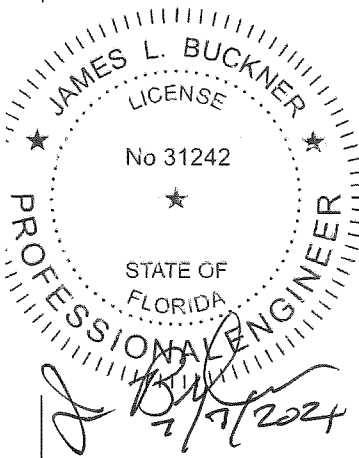
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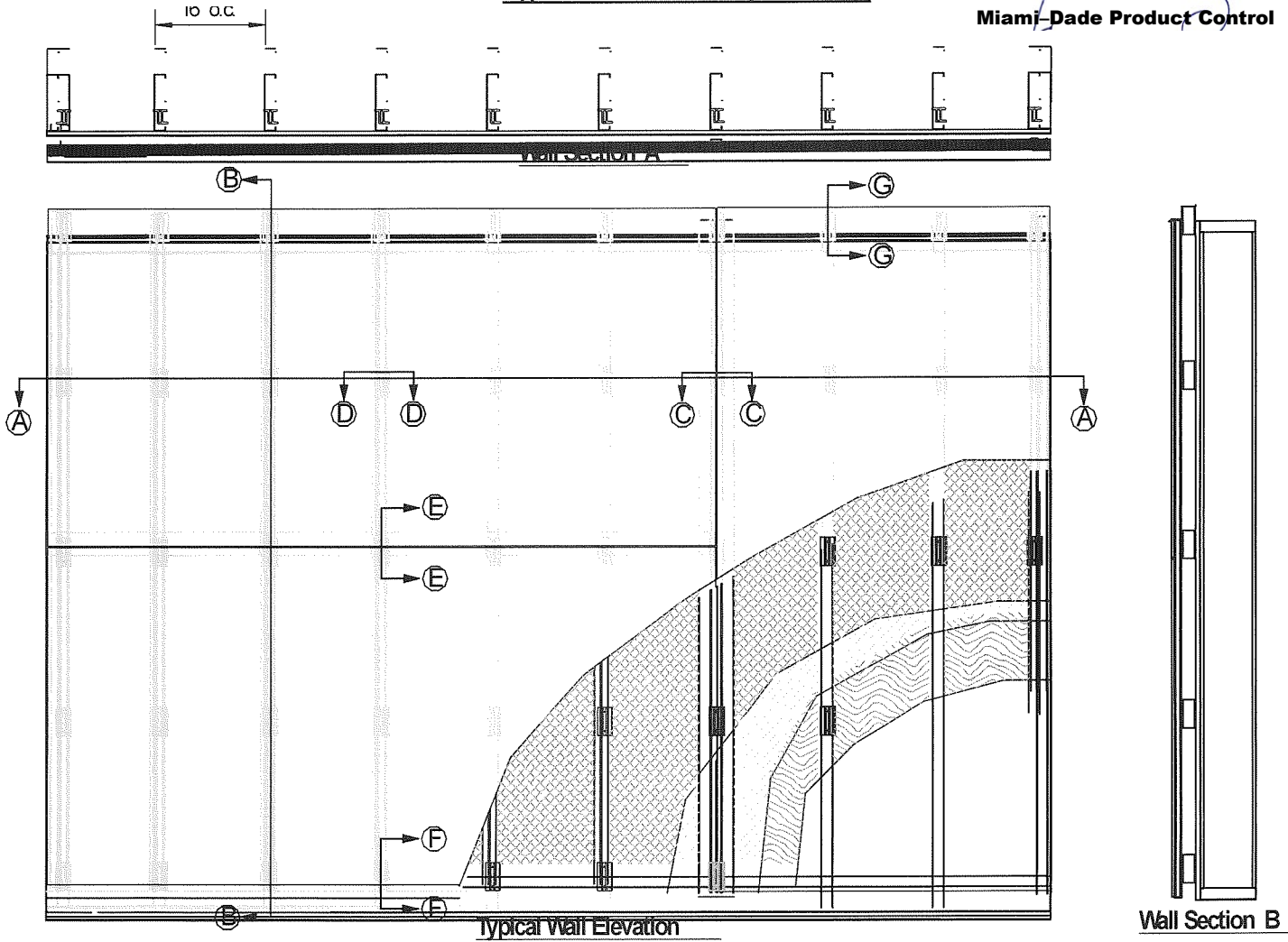
FIBERESIN INDUSTRIES, INC.
"Stonewood Exterior Architectural Panels"
INSTALLATION DRAWINGS

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Typical Wall Assembly Elevation



Typical Wall Elevation

Wall Section B

■ Insulation Board Layer
■ RevealShield SA Vapor Barrier

Refer to Detail Sections
for Component Descriptions and Layers Arrangement

NOTES:

1. REFER TO MANUFACTURER INSTALLATION GUIDELINES FOR ADDITIONAL STEP BY STEP INSTRUCTIONS AS A SUPPLEMENT.

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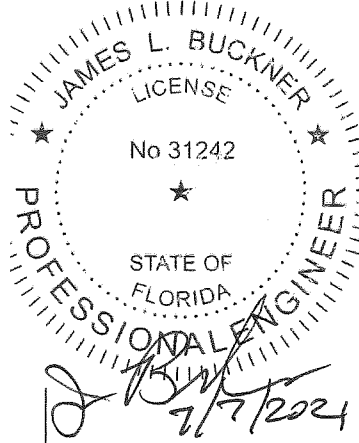
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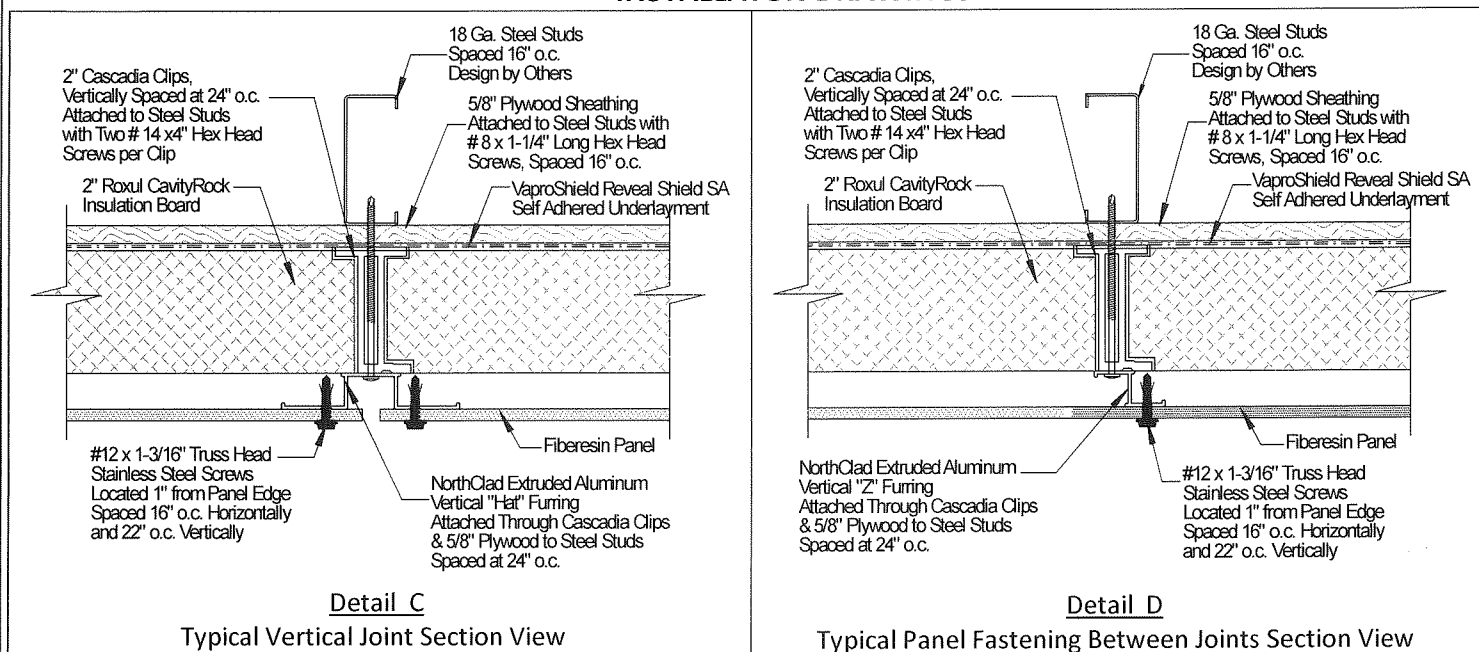
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REVISIONS: 7/7/2021 & 1/23/18



FIBERESIN INDUSTRIES, INC.

"Stonewood Exterior Architectural Panels"
INSTALLATION DRAWINGS



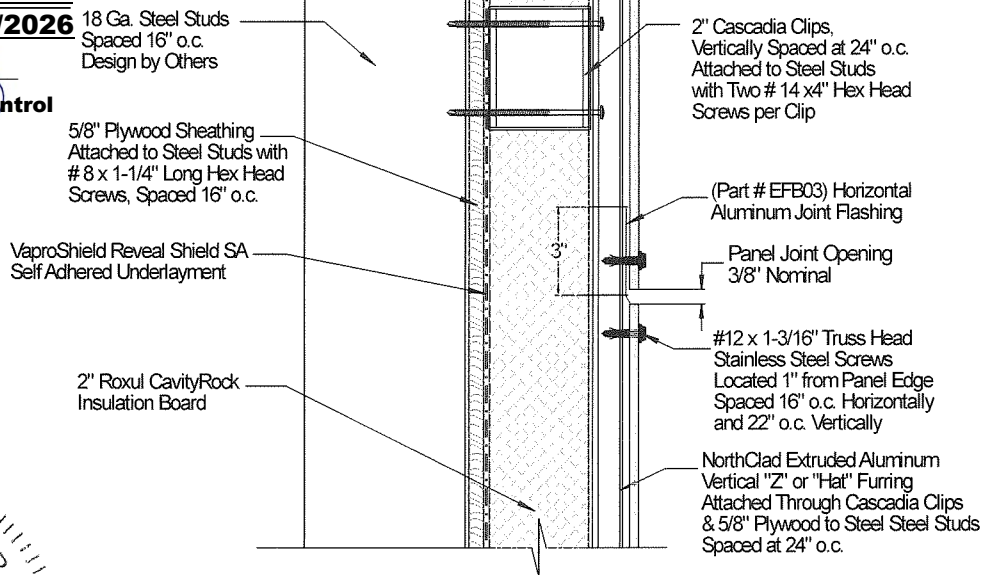
PRODUCT REVISED
 as complying with the Florida
 Building Code

NOA-No. **21-0722.02**

Expiration Date: **09/22/2026**

By: *Manuel Perez*

Miami-Dade Product Control



Fibersin "Stonewood" Composite Wall Panel Systems
ENGINEERING REPORT

CBUCK Engineering
 Specialty Structural Engineering
 CBUCK, Inc. COA #8064
 www.cbuckinc.net
 (561) 491-9927
 1374 Community Drive
 Jupiter, FL 33458

MANUFACTURER:

Fibersin Industries, Inc.
 37031 E Wisconsin Ave.
 P.O. Box 88
 Oconomowoc, WI 53066

DATE: 7/7/2021

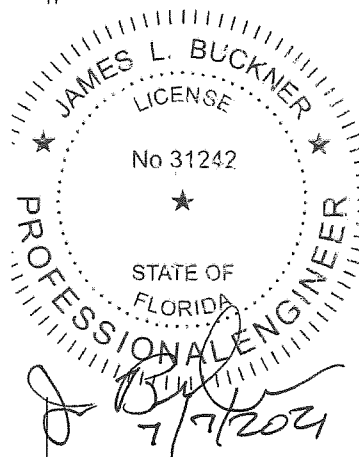
PAGE #: 9 OF 11

REPORT #: 20-248-wall-ER

PROJECT #: 20-248

DRAWN BY: YD

REVISIONS: 7/7/2021 & 1/23/18



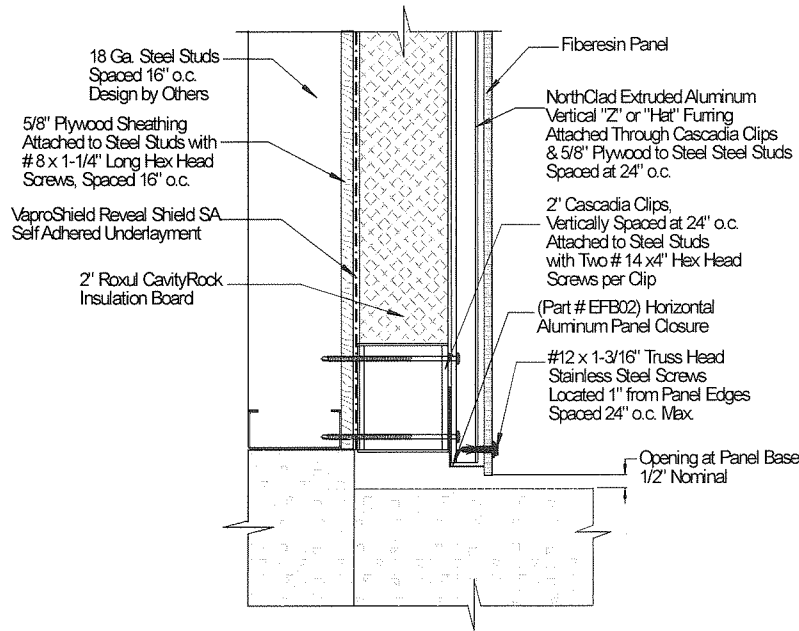
Detail E

Typical Horizontal Joint Section View

NOT TO SCALE

FIBERESIN INDUSTRIES, INC.

"Stonewood Exterior Architectural Panels" INSTALLATION DRAWINGS



Detail F

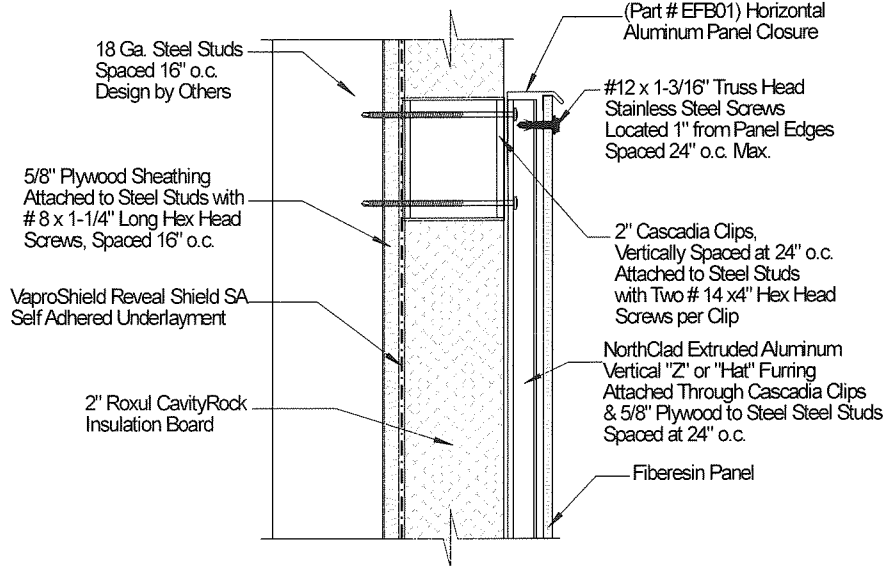
Typical Base Detail of Wall Section View

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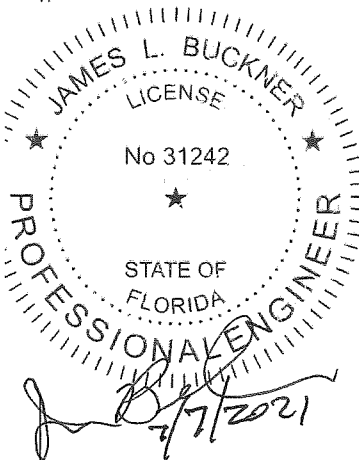
By: Manuel Perez
Miami-Dade Product Control



Detail G

NOT TO SCALE

Fiberesin "Stonewood" Composite Wall Panel Systems
ENGINEERING REPORT



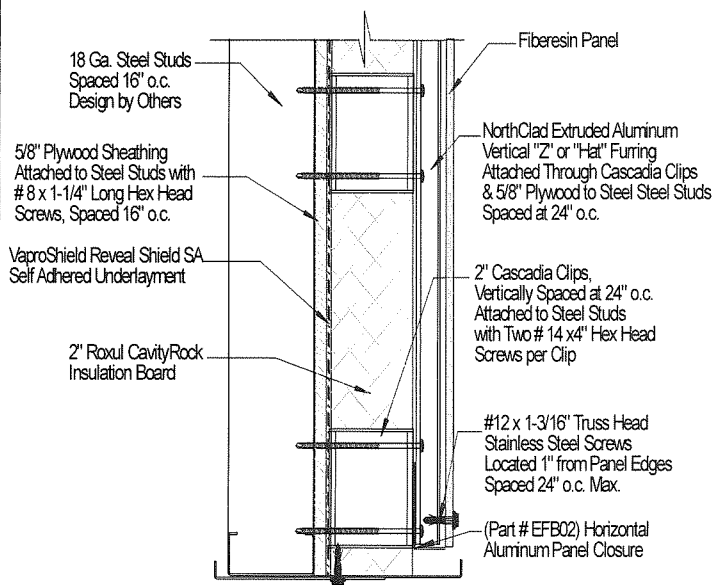
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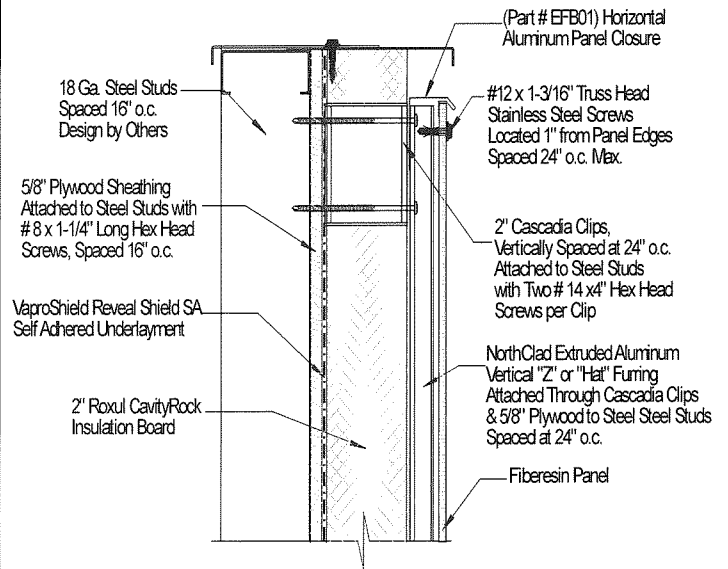
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PROJECT #: 20-248
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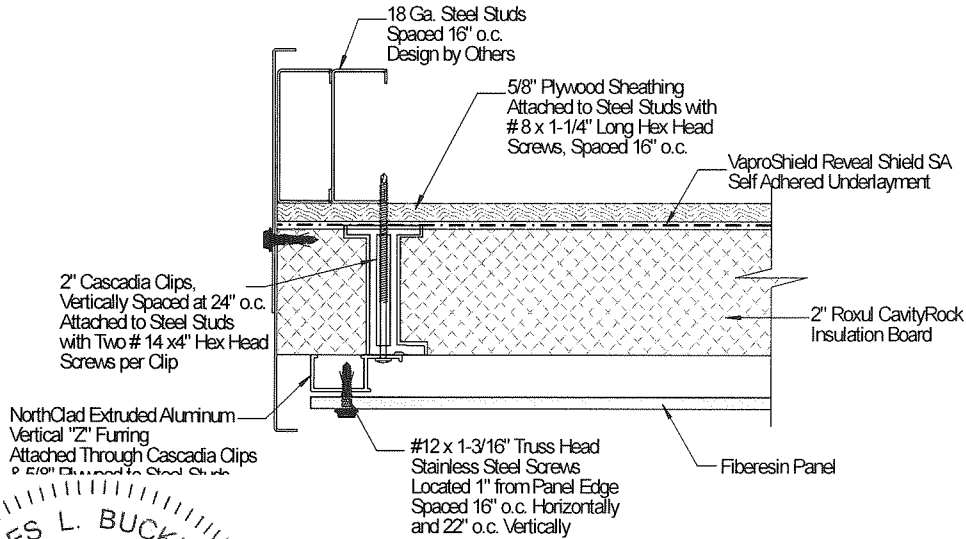
**"Stonewood Exterior Architectural Panels"
MANUFACTURER'S TYPICAL INSTALLATION TRIM DETAILS**



Typical Window Head Detail
Section View



Typical Window Sill Detail
Section View



Window Jamb Detail Section View

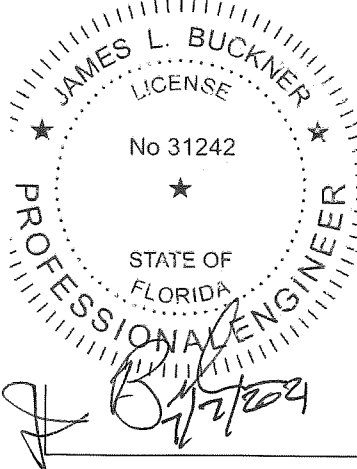
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