



MIAMI-DADE COUNTY
BUILDING AND NEIGHBORHOOD COMPLIANCE DEPARTMENT (BNC)
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

NOTICE OF ACCEPTANCE (NOA)

www.miamidade.gov/building/home/asp

Mitten, Inc.
70 Curtis Avenue North
Paris, Ontario N3L 3T2 Canada

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 Section 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 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. BORA 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: Vinyl Soffit Panels

APPROVAL DOCUMENT: Engineering Report & Drawing No. **09-214**, titled "Vinyl Soffit Panels" sheets 1 through 7 of 7, dated 12/13/10, prepared by CBUCK Engineering, signed and sealed by James L. Buckner, P.E., bearing the Miami-Dade County Product Control approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: None

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, Paris, Ontario, Canada 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 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]
 12/22/10

NOA No. 10-0722.02
Expiration Date: January 13, 2016
Approval Date: January 13, 2011
 Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Engineering Report & Drawing No. **09-214**, titled "Vinyl Soffit Panels" sheets 1 through 7 of 7, dated 12/13/10, prepared by CBUCK Engineering, signed and sealed by James L. Buckner, P.E.

B. TESTS

	Test Report No.	Standard	Date	Signature
1.	ATI-93164.03-109-18	TAS 202 and 203	12/09/10	Michael D. Stremmel, P.E.
2.	ATI-93166.01-109-18	TAS 202 and 203	04/09/10	Michael D. Stremmel, P.E.
3.	ATI-92398.01-106-18	ASTM D1929, D2843/D635	06/10/10	Joseph A. Reed, P.E.
4.	ATI-93453.01-106-18	ASTM D3679/D696	09/10/10	Joseph A. Reed, P.E.

C. CALCULATIONS:

1. None.

D. QUALITY ASSURANCE

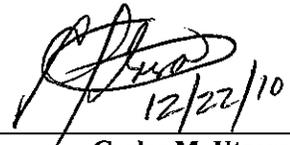
1. Miami-Dade Building and Neighborhood Compliance Department (BNC)

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

1. Statement letter of code conformance with FBC 2007, issued by CBUCK Engineering, dated 12/13/10, signed and sealed by James L. Buckner, P.E.
2. Statement letter of no financial interest, issued by CBUCK Engineering, dated 12/13/10, signed and sealed by James L. Buckner, P.E.
3. Laboratory compliance (with FBC 2007) letters, issued by Architectural Testing, Inc., dated, signed and sealed as listed on Section B above.



12/22/10

Carlos M. Utrera, P.E.

Product Control Examiner

NOA No. 10-0722.02

Expiration Date: January 13, 2016

Approval Date: January 13, 2011

Engineering Report & Drawings
of
Mitten, Inc.
Vinyl Soffit Panels
for
Miami-Dade Notice of Acceptance (N.O.A.)

Category: Cladding
Sub - Category: Siding / Soffit

Product: Vinyl Soffit Panels

Prepared by:
James L. Buckner, P.E.
Florida Professional Engineer # 31242
Project Manager: Diana Galloway
Report No.: 09-214-ENGREPORT
Date: 12 / 13 / 10

Contents:

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Product Drawings & Details	Page 6-7

Approved as complying with the
Florida Building Code
Date 01/13/2011
NOA# 10-0722-02
Miami Dade Product Control
Division
By [Signature]

[Signature]
JAMES L. BUCKNER, P.E.
FLORIDA P.E. #31242
12/14/10

MITTEN, INC. VINYL SOFFIT PANELS
ENGINEERING REPORT

C BUCK Engineering CBUCK, Inc. COA #8064 1334 S. Killian Dr., Ste 4 W. Palm Beach, FL 33403 (561) 491-9927	MANUFACTURER: Mitten, Inc. 70 Curtis Avenue North Paris, Ontario N3L 3T2 CANADA	DATE: 12/13/10
		PAGE #: 1 OF 7
		PROJECT #: 09-214
		DRAWN BY: DG
		REVISIONS:

1.0 Product:

- 1.1 Manufacturer:** Mitten, Inc.
- 1.2 Product Name:** Vinyl Soffit Panels
- 1.3 Category:** Cladding
- 1.4 Subcategory:** Siding - Soffits

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2.0 Evaluation Scope:

2.1 Evaluation Criteria:

- 2.1.1 Florida Building Code (FBC) 2007**
 - 2.1.1.1 Code Section: High Velocity Hurricane Zone (HVHZ)**
 - 2.1.1.2 Miami-Dade Building Code Compliance Office (BCCO) Checklist # 0280**

2.2 Properties Evaluated:

- 2.2.1 Wind Resistance Properties**
 - 2.2.1.1 Uniform Static Air Pressure**
(Structural only. This system has not been tested for water & air infiltration.)
 - 2.2.1.2 Cyclic Wind Pressure**
- 2.2.2 Material Properties**
 - 2.2.2.1 Standard specification for PVC vinyl siding/soffit**
- 2.2.3 Fire Resistance Properties**
 - 2.2.3.1 Self-ignition**
 - 2.2.3.2 Smoke density rating**
 - 2.2.3.3 Rate of burning**

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:

Mitten, Inc.'s "Vinyl Soffit Panels" are evaluated for use as exterior soffit panels.

4.0 Product Description:

4.1 General:

"Mitten, Inc's "Vinyl Soffit" panels are exterior soffit panels manufactured from a PVC compound with a wood-grain texture appearance, concealed fasteners and an interlocking seam edge. Panels are attached with roofing nails.

[Signature]
 JAMES L. BUCKNER, P.E.
 FLORIDA P.E. #31242
 12/14/10

**MITTEN, INC. VINYL SOFFIT PANELS
ENGINEERING REPORT**

CBUCK Engineering
 CBUCK, Inc. COA #8064
 1334 S. Killian Dr., Ste 4
 W. Palm Beach, FL 33403
 (561) 491-9927

MANUFACTURER:
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5.0 Support:

Areas where vinyl soffit is to be installed shall be designed by others in accordance with FBC 2007. Performance has been evaluated based on the following minimum characteristics:

- 5.1 Support Description: Plywood battens
- 5.2 Batten Description: 2" x 2" (min. thickness) Dimensional Lumber
- 5.3 Batten Spacing: Per Table "A"

6.0 Performance:

6.1 Wind Resistance:

Design Pressure: Refer to Table "A"

6.1.1 Uniform Static Air Infiltration:

Standard: TAS 202
 Results: Per Table "A"

6.1.2 Cyclic Wind Loading:

Standard: TAS 203
 Results: PASS

6.2 Material Properties:

6.2.1 Vinyl Siding/Soffit Specification:

Standard: ASTM D3679
 Results: PASS

6.3 Fire Resistance Properties:

6.3.1 Self-ignition Temperature:

Standard: ASTM D1929
 Test Results: 806°F (> 650°F per NOA Criteria)
 Results: PASS

6.3.2 Smoke Density:

Standard: ASTM D2843
 Test Results: 39.5 (< 75 per NOA Criteria)
 Results: PASS

6.3.3 Rate of Burning:

Standard: ASTM D635
 Test Results: No self sustained burn, Class C1
 Results: PASS

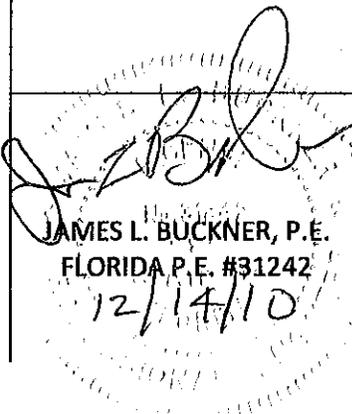
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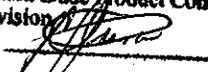
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 FLORIDA P.E. #31242
 12/14/10

7.0 Installation:
 (Refer to Table "A" & Drawings on pages 5 - 7 of this report)
 Install "Mitten, Inc's "Vinyl Soffit" panels per the following:

- Attach panels with fasteners per Section 12.2, 12.3 & Table "A"
- Fastener spacing: Per Table "A"
- Ensure panels are fully engaged along bottom length of panels, do not force up to tighten when fastening.

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Refer to manufacturer's installation instructions as a supplemental guide for attachment.

8.0 Limitations & Conditions of Use:

- 8.1** Areas where vinyl soffit is to be installed shall be checked for structural adequacy and free of cracks or defects.
- 8.2** Design of support system is outside the scope of this report. Support shall be designed by others and comply with the FBC 2007 (HVHZ Section).
- 8.3** This evaluation is limited to the soffit panel, panel fasteners and its attachment to the supports. The structural properties and design of all other items are outside the scope of this evaluation and should be submitted to the permitting jurisdiction for review and approval. Soffit accessories shall be in accordance with FBC 2007 (HVHZ Section) and manufacturer's recommendations.

9.0 Code Compliance

9.1 Product meets the High Velocity Hurricane Zone (HVHZ) Requirements of the Florida Building Code (FBC) 2007 for the properties evaluated.

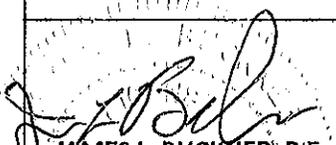
10.0 Identification:

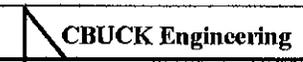
10.1 Each Panel shall bear a permanent label with the manufacturer's name or logo, city, state and the following statement: "Miami-Dade County Product Control Approved".

11.0 Referenced Data:

11.1 Test Reports:

LABORATORY / REPORT	TEST	DATE	SIGNATURE
1. ATI / 93166.01-109-18	TAS 202 & 203	12/09/10	Micheal Stremmel, P.E.
2. ATI / 93164.03-109-18	TAS 202 & 203	7/15/10	Micheal Stremmel, P.E.
3. ATI / 93453.01-106-18	ASTM D 3679	9/10/09	Joseph Reed, P.E.
4. ATI / 92398.01-106-18	ASTM D 1929, ASTM D 2843, ASTM D 635	6/10/10	Joseph Reed, P.E.


JAMES L. BUCKNER, P.E.
 FLORIDA P.E. #31242
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MITTEN, INC. VINYL SOFFIT PANELS ENGINEERING REPORT		DATE: 12/13/10
 CBUGK Engineering CBUCK, Inc. COA #8064 1334 S. Killian Dr., Ste 4 W. Palm Beach, FL 33403 (561) 491-9927	MANUFACTURER:	PAGE #: 4 OF 7
	Mitten, Inc. 70 Curtis Avenue North Paris, Ontario N3L 3T2 CANADA	PROJECT #: 09-214
		DRAWN BY: DG
		REVISIONS:

12.0 Product Components:

12.1 Vinyl Soffit Panels:

12.1.1 Profiles / Dimensions: Refer to Table "A" & Profile Drawings

12.1.2 Properties:

- 12.1.2.1 Material:** Polyvinyl Chloride (PVC)
- 12.1.2.2 Tensile Strength:** 7,344 psi
- 12.1.2.3 Standard:** ASTM D 3679-05
- 12.1.2.4 Color:** Painted, by manufacturer

12.2 Fastener:

- 12.2.1 Manufacturer:** Generic
- 12.2.2 Standard:** Miami-Dade approved
- 12.2.3 Corrosion Resistance:** Electro-Galvanized or Hot-Dipped
- 12.2.4 Type:** Ring Shank Roofing Nail
- 12.2.5 Length:** 1-1/2"
- 12.2.6 Shank Diameter:** 1/8"
- 12.2.7 Head Diameter:** 3/8"

12.3 Washer:

- 12.3.1 Washer Material:** Steel, corrosion resistant
- 12.3.2 Washer Diameter:** 5/8"
- 12.3.3 Washer Thickness:** 1/16"

**Table "A"
DESIGN PRESSURES**

Model	Configuration	Thickness (±.002")	Exposure (x)	Nail (Per 12.2) Spacing (x)	Washer (Per 12.3)	Batten Spacing (y)	Design Pressure (PSF)
D5 Soffit	Double 5"	0.045"	10"	10"	No	8"	±50
D5 Soffit (Perforated)	Double 5"	0.045"	10"	10"	No	8"	±50
T4 Soffit	Triple 4"	0.038"	12"	12"	Yes	12"	±45
T4 Soffit (Perforated)	Triple 4"	0.038"	12"	12"	Yes	12"	±45

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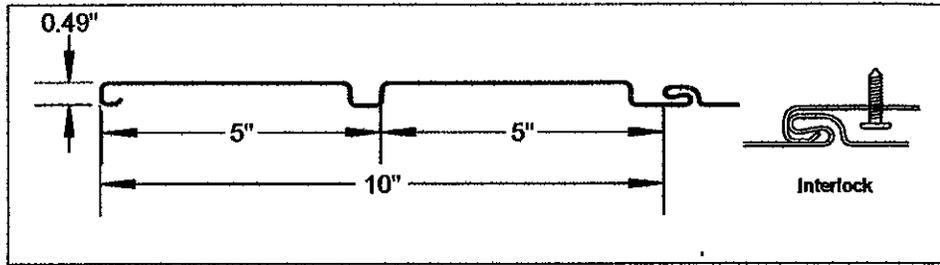
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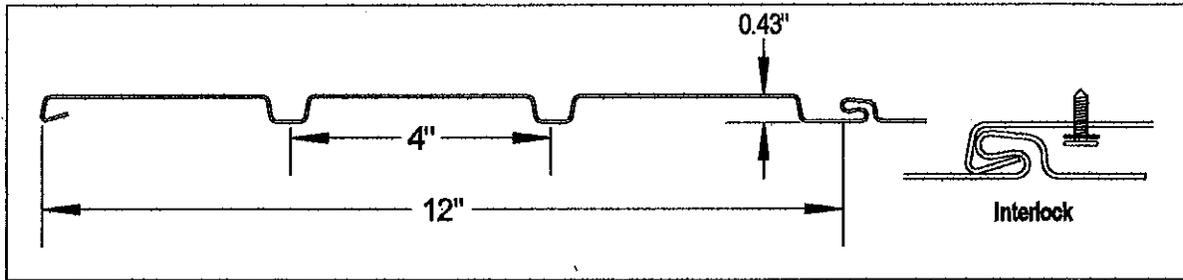
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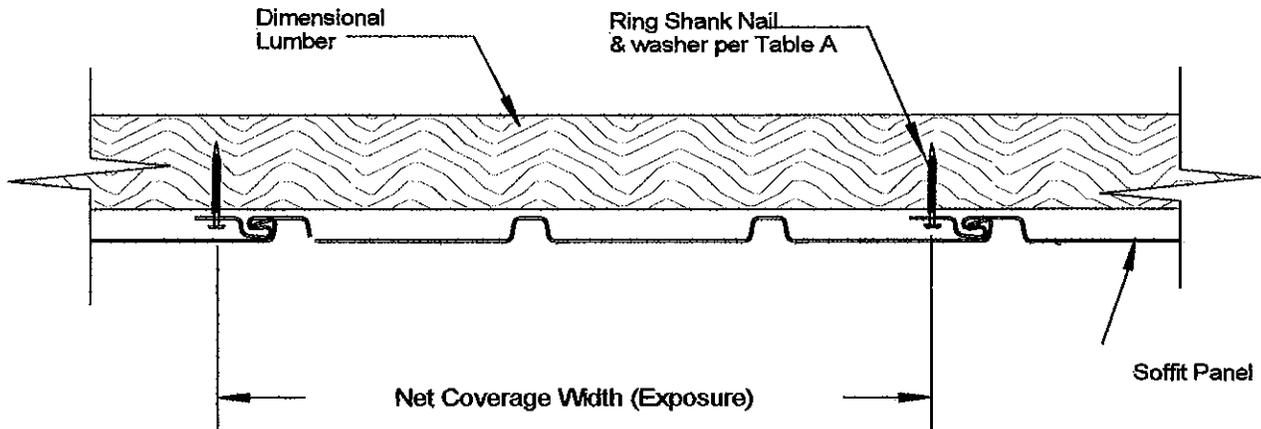
**MITTEN, INC.
PROFILE DRAWINGS**



D5 Soffit



T4 Soffit



**TYPICAL SECTION AT SUPPORT
ASSEMBLY SIDE VIEW**

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12/11/10

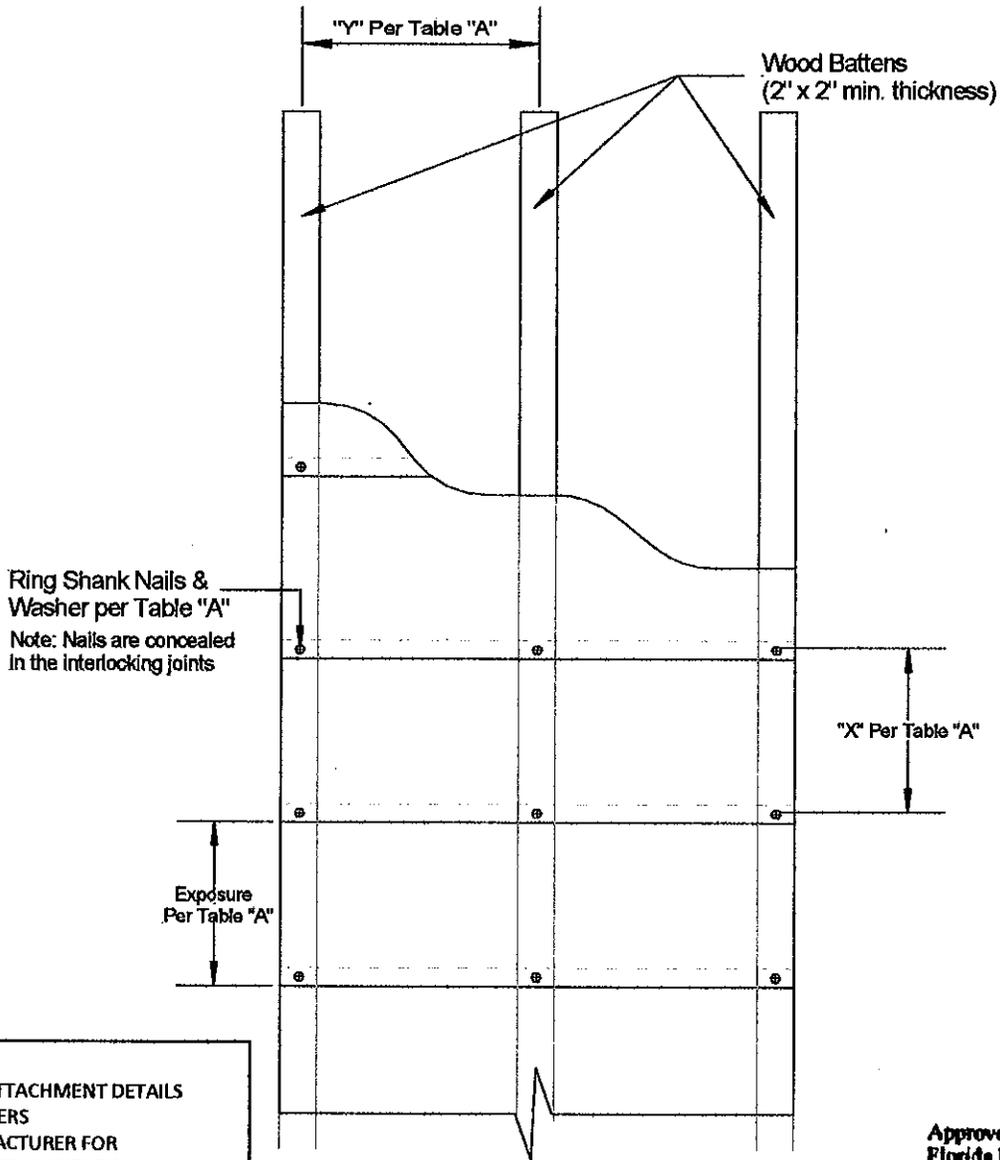
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**MITTEN, INC.
PROFILE DRAWINGS**



NOTES:
 1. SUPPLEMENTAL ATTACHMENT DETAILS DESIGNED BY OTHERS
 2. REFER TO MANUFACTURER FOR SUPPLEMENTAL ATTACHMENT DETAILS

TYPICAL ASSEMBLY PLAN VIEW

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 Date 01/13/2011
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 Miami Dade Product Control Division
 By [Signature]

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MITTEN, INC. VINYL SOFFIT PANELS ASSEMBLY PLAN VIEW		DATE: 12/13/10
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