



NEMO|etc.

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ENGINEER

TEST

CONSULT

P.E. EVALUATION REPORT (PEER)

Amrize Building Envelope LLC (Elevate)

26 Century Blvd
Nashville, TN 37214
(317) 572-4100

PEER-HSP-015.A.R9

FL13684-R8 (NON-HVHZ)

Date of Issuance: 09/05/2008

Revision 9: 08/13/2025

SCOPE:

This P.E. Evaluation Report (henceforth 'PEER') is issued under **F.A.C. Rule 61G20-3** and the applicable rules and regulations governing the use of construction materials in the State of Florida. The documentation submitted has been reviewed by Robert Nieminen, P.E. for compliance with the **8th Edition (2023) Florida Building Code** [sections noted herein](#).

DESCRIPTION: Elevate UNA-CLAD™ Soffit (NON-HVHZ)

LABELING: Labeling shall be in accordance with the requirements the Accredited Quality Assurance Agency noted herein and the minimum provisions of **FBC 1709.10**.

CONTINUED COMPLIANCE: This PEER is valid until such time as the named product(s) changes, the referenced Quality Assurance or production facility location(s) changes, or Code provisions that relate to the product(s) change. Acceptance of our PEERs by the named client constitutes agreement to notify NEMO ETC, LLC of any changes to the product(s), the Quality Assurance, or the production facility location(s). NEMO ETC, LLC requires a complete review of its PEER relative to updated Code requirements with each Code Cycle.

ADVERTISEMENT: "NEMO P.E. Evaluated" may be displayed in advertising literature. If any portion of the PEER is displayed, then it shall be in its entirety.

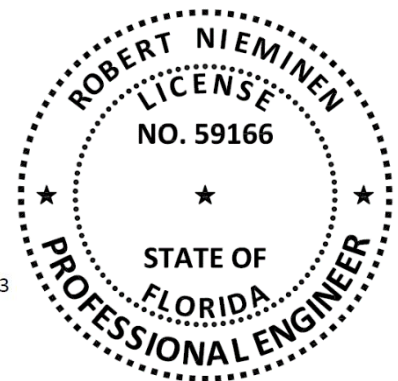
INSPECTION: Upon request, a copy of this entire PEER shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This PEER consists of pages 1 through 4, plus a 2-page Appendix.

Prepared by:

Digitally signed by
Robert Nieminen
Date: 2025.08.17
'15:01:38 -04'00

This item has been digitally signed and sealed by Robert Nieminen, P.E.
Printed copies of this document are not considered signed and sealed, and the signature must be verified on any electronic copies.
Robert Nieminen, Florida P.E. 59166, FBC ANE1983
NEMO ETC, LLC, Florida CA #32455



CERTIFICATION OF INDEPENDENCE:

1. NEMO ETC, LLC does not have, nor does it intend to acquire or will it acquire, a financial interest in any company manufacturing or distributing products it evaluates.
2. NEMO ETC, LLC is not owned, operated, or controlled by any company manufacturing or distributing products it evaluates.
3. Robert Nieminen, P.E. does not have nor will acquire, a financial interest in any company manufacturing or distributing products for which the PEERs are being issued.
4. Robert Nieminen, P.E. does not have, nor will acquire, a financial interest in any other entity involved in the approval process of the product.
5. This is a building code evaluation. Neither NEMO|etc. nor Robert Nieminen, P.E. are, in any way, the Designer of Record for any project on which this PEER, or previous versions thereof, is/was used for permitting or design guidance unless retained specifically for that purpose.

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PANEL WALLS -SOFFIT EVALUATION:

1. SCOPE:

Product Category: Panel Walls

Sub-Category: Soffits

Product Approval Method: Method 1, Option D: Codified Material, Evaluation by Engineer

Compliance Statement: Elevate UNA-CLAD™ Soffit, as produced by Amrize Building Envelope LLC (Elevate), has demonstrated compliance with the following sections of the 8th Edition (2023) Florida Building Code through testing in accordance with the following Standards. Compliance is subject to the [Installation Requirements](#) and [Limitations of Use](#) set forth herein.

2. STANDARDS:

SECTION	PROPERTY	STANDARD
1404.5.1	Wind resistance	AAMA 1402

3. REFERENCES:

ENTITY	EXAMINATION	REFERENCE	DATE
ATI (TST1558)	Wind Resistance	ATI-15336-N	05/01/1995
NEMO (TST6049)	Wind Resistance	4f-FBP-20-LSTLT-01.A	07/27/2021
UL, LLC (QUA9625)	Quality Assurance	Service Confirmation	10/21/2022
UL, LLC (QUA9625)	Quality Assurance	Florida BCIS	Current

4. PRODUCT DESCRIPTION:

This PEER covers Elevate UNA-CLAD™ Soffit, and is limited to the specific product trade names referenced in this report, subject to the [Installation Requirements](#) and [Limitations of Use](#) herein. All soffit panels herein are available in a solid or a vented configuration, and the performance limitations apply to both versions.

TABLE 1: EVALUATED ELEVATE UNA-CLAD SOFFIT PANELS					
PRODUCT	MATERIAL STANDARD	MATERIAL(S)	WIDTH(S)	NET FREE VENT AREA ¹	
				CONFIG.	NFVA (IN ² /FT)
UC-500	AAMA 1402 (wind)	min 0.032" thick aluminum (min. 21 ksi, alloy 3105) or min. 24 ga. (0.025") painted min. 33 ksi G90 steel	8 or 12-inch	Solid:	N/A
				12-inch UC-500V:	2.75

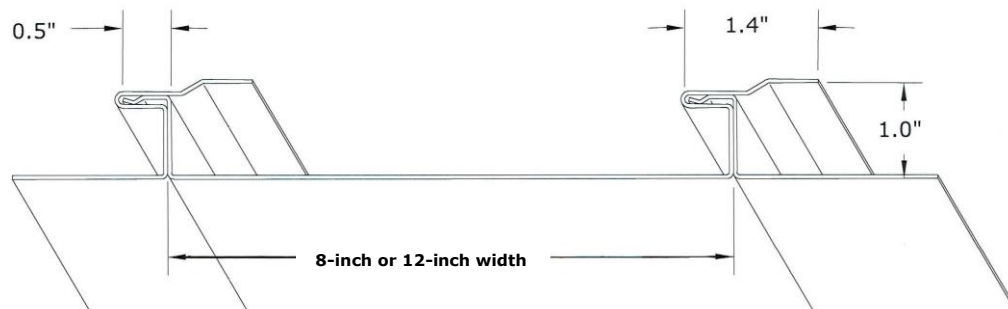


Figure 1: View of Elevate UNA-CLAD UC-500 Soffit Profile

¹ Net Free Ventilation Area reported herein is as published by the manufacturer at the time of evaluation. The report user should verify current published data at the time of design and/or permitting to the satisfaction of the Authority Having Jurisdiction.

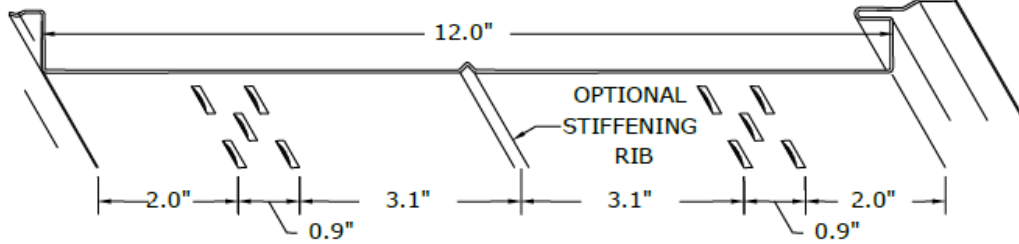


Figure 2: View of Optional Venting Patterns.

5. LIMITATIONS:

- 5.1 This is a building code evaluation. Neither NEMO ETC, LLC nor Robert Nieminen, P.E. are, in any way, the Designer of Record for any project on which this PEER, or previous versions thereof, is/was used for permitting or design guidance. PEERs are not to be construed as representing any attributes not specifically listed, nor are PEERs to be construed as an endorsement of the subject, or a recommendation for its use. There is no warranty by NEMO ETC, LLC or Robert Nieminen, P.E., express or implied, as to any finding or other matter in this PEER, or as to any product covered by the PEER.
- 5.2 This PEER is not for use in FBC High Velocity Hurricane Zone jurisdictions, as defined in FBC Chapter 2 (Broward and Miami-Dade Counties).

5.3 **Wind Resistance:**

- 5.3.1 Allowable design pressures for the soffits in various attachment configurations are noted below. Performance limitations apply to both solid and vented versions.

TABLE 2: ALLOWABLE DESIGN PRESSURES							
SPAN (INCH)	PRODUCT	MAX. WIDTH (INCH)	FASTENING (INCH O.C.)			MAXIMUM ALLOWABLE DESIGN PRESSURE (PSF)	
			WALL SIDE	CENTER	EAVE SIDE	NEGATIVE	POSITIVE
24	UC-500 aluminum	12	12	N/A	12	-60	+60
		8	8	N/A	8	-120	+220
	UC-500 steel	12	12	N/A	12	-40	+40
		8	8	N/A	8	-130	+220

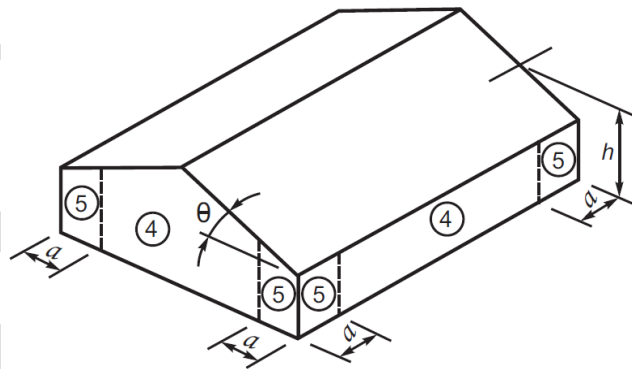
- 5.3.2 Limitations relating to design wind pressure resistance are provided in **Appendix 1**. Limitations relate to critical 'negative' (away from the soffit) wind load performance. Refer to [Table 2](#) for all positive and negative allowable design pressures.
- 5.3.3 "MDP" = Maximum Design Pressure is the result of testing for wind load resistance based on allowable wind loads. Refer to **FBC 1609** or **FBCR Chapter 3** for determination of project-specific design wind pressures. The MDP for the selected installation shall meet or exceed the design wind pressure requirement for the project for each pressure zone.
- 5.3.4 Tables are based on wall cladding design wind pressure requirements in accordance with **ASCE 7-22**, multiplied by 0.6 (P_{asd}) for allowable loads.

- 5.3.5 Use of Appendix 1 is limited to the following design parameters. Analysis for buildings falling outside these constraints shall be on a project-by-project basis by a Florida Registered P.E.

TABLE 3: DESIGN PARAMETERS FOR USE OF APPENDIX 1			
PARAMETER	REFERENCE	SYMBOL	VALUE
Mean roof height (ft)*	N/A	h	≤ 30 ft
Design wind speed (mph)*	FBC 1609.3	V_{ult}	Various
Exposure Category*	FBC 1609.4.3	N/A	B, C or D
Topographical factor	ASCE 7-22 Section 26.8.2	K_{zt}	1.0
Wind directionality factor	ASCE 7-22 Section 26.6	K_d	0.85
Ground elevation factor	ASCE 7-22 Table 26.9-1	K_e	1.0

*Selection of the appropriate height, design wind speed and exposure category is the responsibility of the user, subject to acceptance by the Authority Having Jurisdiction.

- 5.3.6 Reference to “OK” indicates the system performance exceeds project requirements for that particular zone. Reference to “NO” indicates additional testing is required.
- 5.3.7 The dimension of Zones 4 and 5 (interior and end zones) shall be defined as 10% of the least horizontal plan-view dimension or 40% of the mean roof height, whichever is smaller, but not less than either 4% of the least horizontal plan-view dimension or 3 feet, as outlined in Figure 30.3-1 of **ASCE 7-22**.



- 5.4 For existing substrates, the Authority Having Jurisdiction may require fasteners be tested in the existing substrate for withdrawal resistance. A qualified design professional shall review the data for comparison to the minimum requirements for the system.
- 5.5 Installations shall meet the minimum ventilation requirements of **FBC 1203.2**.
- 5.6 All products in the wall assembly shall have quality assurance audit in accordance with the **F.A.C. Rule 61G20-3**.

6. INSTALLATION:

- 6.1 **Elevate UNA-CLAD™ Soffit** shall be installed in accordance with **Amrize Building Envelope LLC (Elevate)** published instructions, subject to the [Limitations of Use](#) noted herein.
- 6.2 Fasteners for soffit attachment to min. 18 ga. steel purlins shall be minimum 5/8" long, #14 Elevate fasteners.

7. BUILDING PERMIT REQUIREMENTS:

- 7.1 As required by the Building Official or Authority Having Jurisdiction to properly evaluate the installation of this product.
- 7.2 Labeling shall be in accordance with the minimum requirements set forth in [FBC 1709.10](#).

8. MANUFACTURING PLANTS:

Anoka, MN

9. QUALITY ASSURANCE ENTITY:

[UL, LLC – \(QUA9625\)](#): (360) 817-5512; bsai.inspections@ul.com

- THE TWO (2) PAGES THAT FOLLOW FORM PART OF THIS PEER -



8TH EDITION (2023) FLORIDA WIND ZONE COMPLIANCE WORKSHEET, Eave Height (h) ≤ 30 ft

Elevate UNA-CLAD™ Soffit							Ultimate Wind Speed - V _{ult} (mph) 3-second gust										Exposure	Zone
Product	Max. Width (inch)	Max. Span (inch)	Wall Side Attach	Center Attach	Eave Side Attach	Allowable Pressure (psf)	110	120	130	140	150	160	170	180	190	200		
UC-500 aluminum	12	24	12" o.c.	N/A	12" o.c.	60	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	B	Interior Zone 4
							OK	OK	OK	OK	OK	OK	OK	OK	OK	NO	C	
							OK	OK	OK	OK	OK	OK	OK	NO	NO	NO	D	
							OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	B	
							OK	OK	OK	OK	OK	OK	OK	NO	NO	NO	C	End Zone 5
							OK	OK	OK	OK	OK	NO	NO	NO	NO	NO	D	
							OK	OK	OK	OK	OK	NO	NO	NO	NO	NO	D	
							OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	B	
	8	24	8" o.c.	N/A	8" o.c.	120	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	B	Interior Zone 4
							OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	C	
							OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	D	
							OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	B	End Zone 5
							OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	C	
							OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	D	
UC-500 steel	12	24	12" o.c.	N/A	12" o.c.	40	OK	OK	OK	OK	OK	OK	OK	OK	NO	NO	B	Interior Zone 4
							OK	OK	OK	OK	OK	NO	NO	NO	NO	NO	C	
							OK	OK	OK	OK	NO	NO	NO	NO	NO	NO	D	
							OK	OK	OK	OK	OK	NO	NO	NO	NO	NO	B	
							OK	OK	OK	OK	NO	NO	NO	NO	NO	NO	C	End Zone 5
							OK	OK	NO	NO	NO	NO	NO	NO	NO	NO	D	
							OK	OK	OK	OK	OK	NO	NO	NO	NO	NO	C	
							OK	OK	OK	OK	OK	NO	NO	NO	NO	NO	D	
	8	24	8" o.c.	N/A	8" o.c.	130	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	B	Interior Zone 4
							OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	C	
							OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	D	
							OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	B	End Zone 5
							OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	C	
							OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	D	

