



NEMO|etc.

Certificate of Authorization #32455

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ENGINEER

EVALUATE

TEST

CONSULT

P.E. EVALUATION REPORT (PEER)

Westlake Royal Stone, LLC

2256 Centennial Road

Toledo, OH 43617

(425) 903-5937

PEER-WRSS-001.A.R5

FL15046-R5 (NON-HVHZ)

Date of Issuance: 02/03/2011

Revision 5: 02/02/2024

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 use of the product under the Florida Building Code. The product described herein has been evaluated for compliance with the **8th Edition (2023) Florida Building Code** [sections noted herein](#).

DESCRIPTION: Versetta Stone™ Panelized Stone Veneer

LABELING: Labeling shall be in accordance with the requirements of the Accredited Quality Assurance Agency noted herein and the minimum requirements of [FBC 1404.10](#).

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

ADVERTISEMENT: The Florida Product Approval Number (FL#) preceded by the words "Nemo P.E. Evaluated" may be displayed in advertising literature. If any portion of the PEER is displayed, then it shall be done in its entirety.

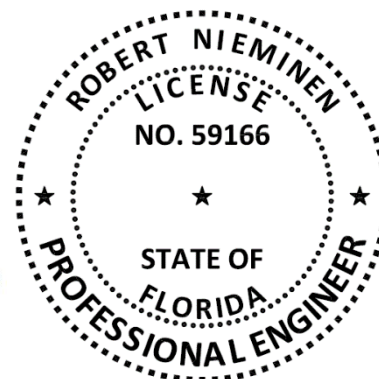
INSPECTION: Upon request, a copy of this entire PEER shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This PEER consists of pages 1 through 4.

Prepared by:

Digitally signed by
Robert Nieminen
Date: 2024.02.02
'16:24:58 -05'00

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 - SIDING EVALUATION:

1. SCOPE:

Product Category: Panel Walls

Sub-Category: Siding

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

Compliance Statement: Versetta Stone™ panelized stone veneer, as produced by Westlake Royal Stone, LLC, has demonstrated compliance with the following sections of the **8th Edition (2023) Florida Building Code** through testing in accordance with the Standards set forth herein. Compliance is subject to the [Installation Requirements](#) and [Limitations of Use](#) set forth herein.

2. STANDARDS:

SECTION	PROPERTY	STANDARD
1404.10	Physical Properties	ASTM C1186
1609.1	Wind	ASTM E330

3. REFERENCES:

ENTITY	EXAMINATION	REFERENCE	DATE
ATI/ITS (TST1558)	ASTM C1186	E7604-01-106-31-R0	04/26/2016
ATI/ITS (TST1558)	ASTM C1186	N9350.02-106-31-R0	11/01/2022
ATI (TST1558)	Transverse Load (Wind)	99242.01-117-16	11/22/2010
NEMO (TST6049)	ASTM C1186	4v-WRSS-SSFBR (confirm)	01/23/2024
ICC NTA (QUA3504)	Quality Control	Inspection Report (MX)	04/05/2023
ICC NTA (QUA3504)	Quality Control	Inspection Report (CA)	09/22/2023

4. PRODUCT DESCRIPTION:

TABLE 1: EVALUATED SIDING PRODUCTS			
PRODUCT	MATERIAL STANDARD	DESCRIPTION	MFGR. LOCATION(S)
Versetta Stone™	ASTM C1186, Type A, Grade I	non-structural, fiber-reinforced, cement-based masonry wall cladding that is mechanically attached to Approved substrates, as outlined in the Limitations of Use herein. The pre-cast stone veneer panels have a 26 ga. painted G90 galvanized steel nailing flange molded along the top edge for attachment to approved substrates. The full panels measure 36.4-inch long x 9.5-inch tall, have tongue-and-groove edges that engage adjacent panels, and have an average installed weight of 8.8 lbs/ft ² .	American Canyon, CA and Cuesta Blanca, B.C. Mexico



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 This PEER does not address fire-resistance-rating performance of the completed wall assemblies.
- 5.4 Wind Resistance (Transverse Load):
- 5.4.1 Limitations relating to wind load resistance are outlined in Table 2.
- 5.4.2 Substrates shall be in accordance with FBC requirements to the satisfaction of the Authority Having Jurisdiction. Westlake Royal Stone requires wall framing design to limit out-of-plane wall deflection to max. L/240.
- 5.4.3 "MDP" = Maximum Design Pressure is the result of testing for wind load resistance based on allowable wind loads. Refer to **FBC 1609** 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.

TABLE 2: ALLOWABLE DESIGN PRESSURES – VERSETTA STONE™

SYSTEM NO.	SUBSTRATE		NAILING FLANGE ATTACHMENT			MDP (PSF)
	FRAMING	SHEATHING	FASTENERS	FASTENER SPACING	FASTENER PATTERN	
1.	Min. nominal 2x4 #2 SPF at max. 16-inch o.c.	Min. 7/16-inch OSB or ½-inch plwood	Hot dip galvanized roofing nails; Min. 1/8-inch dia. shank x min. 5/16-inch dia. head x length suitable for minimum 1-inch embedment into wood framing members.	Min. two fasteners in each 12-inch long corner panel; Min. four fasteners in each 36-inch long full panel.	Alternating pattern of each row with at least two fasteners into a stud for each 36-inch long panel and at least one fastener into a stud for each 12-inch long panel.	-20.4
2.	Min. nominal 2x4 #2 SPF at max. 16-inch o.c.	Min. 7/16-inch OSB or ½-inch plwood	Hot dip galvanized wood screw; Min. #8 x min. 5/16-inch dia. pan head x length suitable for minimum 1-inch embedment into wood framing members.	Min. two fasteners in each 12-inch long corner panel; Min. four fasteners in each 36-inch long full panel.	Alternating pattern of each row with at least two fasteners into a stud for each 36-inch long panel and at least one fastener into a stud for each 12-inch long panel.	-63.5
3.	Min. nominal 2x4 #2 SPF at max. 16-inch o.c.	Min. 7/16-inch OSB or ½-inch plwood	Hot dip galvanized wood screw; Min. #10 x min. 5/16-inch dia. pan head x length suitable for minimum 1-inch embedment into wood framing members.	Min. two fasteners in each 12-inch long corner panel; Min. four fasteners in each 36-inch long full panel.	Alternating pattern of each row with at least two fasteners into a stud for each 36-inch long panel and at least one fastener into a stud for each 12-inch long panel.	-72.7
4.	Min. 20 ga. steel stud framing at max. 16-inch o.c.	Min. 7/16-inch OSB or ½-inch plwood	Hot dip galvanized self-drilling screw; Min. #8 x min. 5/16-inch dia. pan head x length suitable for minimum 0.5-inch penetration through steel studs.	Min. two fasteners in each 12-inch long corner panel; Min. four fasteners in each 36-inch long full panel.	Alternating pattern of each row with at least two fasteners into a stud for each 36-inch long panel and at least one fastener into a stud for each 12-inch long panel.	-67.9
5.	Min. 20 ga. steel stud framing at max. 16-inch o.c.	Min. 7/16-inch OSB or ½-inch plwood	Hot dip galvanized self-drilling screw; Min. #10 x min. 5/16-inch dia. pan head x length suitable for minimum 0.5-inch penetration through steel studs.	Min. two fasteners in each 12-inch long corner panel; Min. four fasteners in each 36-inch long full panel.	Alternating pattern of each row with at least two fasteners into a stud for each 36-inch long panel and at least one fastener into a stud for each 12-inch long panel.	-90.0
6.	CMU block wall	N/A	Min. 3/16-inch dia. ITW Tapcon®; length suitable for minimum 1-inch embedment; max. 1.75-inch embedment; pilot hole per ITW published requirements	Min. two fasteners in each 12-inch long corner panel; Min. three fasteners in each 36-inch long full panel.	Evenly spaced with one fastener at each end and one at the center for each 36-inch long panel (3 total) and two fasteners for each 12-inch long panel.	-65.7

- 5.5 All products in the wall assembly shall have QA audit in accordance with the **F.A.C. Rule 61G20-3**.

6. INSTALLATION:

- 6.1 **Versetta Stone™** panelized stone veneer shall be installed in accordance with **Westlake Royal Stone** published installation instructions, subject to the [Limitations of Use](#) noted herein.
- 6.2 Substrates shall be in accordance with FBC requirements to the satisfaction of the Authority Having Jurisdiction. Westlake Royal Stone requires wall framing design to limit out-of-plane wall deflection to max. L/240.
- 6.3 The underlying wall substrate shall include a water-resistive barrier in accordance with **FBC 1403.2**.
- 6.4 Minimum system attachment requirements are set forth in Table 2, and shall not be exceeded. Fastener lengths noted are minimum lengths, and shall be adjusted as necessary for minimum 1-inch embedment.

7. BUILDING PERMIT REQUIREMENTS:

As required by the Building Official or Authority Having Jurisdiction in order to properly evaluate the installation of this product.

8. MANUFACTURING PLANTS:

Contact the named QA entity for manufacturing facilities covered by **F.A.C. Rule 61G20-3** QA requirements. Refer to [Section 4](#) herein for products and production locations having met codified material standards.

9. QUALITY ASSURANCE ENTITY:

ICC-NTA (QUA3504); (574) 773-7975; vbrown@icc-nta.org

- END OF PEER -