



NEMO|etc.

Certificate of Authorization #32455
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ENGINEER

EVALUATE

TEST

CONSULT

P.E. EVALUATION REPORT (PEER)

Westlake Royal Stone, LLC (Boral Stone)

2256 Centennial Road

Toledo, OH 43617

(425) 903-5937

PEER-WRSS-02.A.R11

FL15047-R7

Date of Issuance: 07/18/2005

Revision 11: 12/01/2023

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: Cultured Stone® and ProStone® Adhered Masonry Veneer

LABELING: Labeling shall be in accordance with the requirements of the Accredited Quality Assurance Agency noted herein.

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: 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.

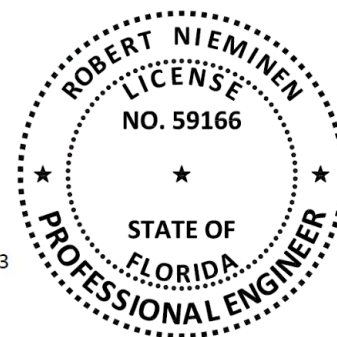
Prepared by:

Digitally signed by
Robert Nieminen
Date: 2023.12.01
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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, 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 unless retained specifically for that purpose.

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PANEL WALLS - SIDING EVALUATION:

1. SCOPE:

Product Category: Panel Walls
Sub-Category: Siding – Adhered Masonry Veneer
Product Approval Method: Method 1, Option D – Codified Material, Evaluation by Engineer
Compliance Statement: **Cultured Stone® and ProStone® Adhered Masonry Veneer**, as produced **Westlake Royal Stone**, have 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
1405.1	Uniform static air pressure	TAS 202
1405.1	Cyclic wind pressure loading	TAS 203
1405.10	Various	TMS 402
1609.1	Wind Resistance	ASTM E330
2103.1	Material standard	ASTM C1670

3. REFERENCES:

ENTITY	EXAMINATION	REFERENCE	DATE
CMHA (TST13798)	ASTM C1670	23-127	10/16/2023
ERD (TST6049)	Wind Resistance	100379.01.06-R1	09/17/2012
FET (TST1654)	TAS 202 / TAS 203	T193-20	03/27/2020
QAI (QUA7628)	Quality Control	Inspection Report	08/24/2023
QAI (QUA7628)	Quality Control	Florida BCIS	Current

4. PRODUCT DESCRIPTION:

- 4.1 **Cultured Stone® and ProStone®** are manufactured, precast, artificial stone veneers of cement, sand and expanded shale aggregate, water and admixtures/coloring, which are used as a non-load-bearing, exterior adhered masonry veneer.

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 pertains to adhered masonry veneer components. Wall substrates shall be in accordance with FBC requirements to the satisfaction of the Authority Having Jurisdiction. Refer to FBC Section 1405.10, FBC Chapter 21 and TMS 402-16, sections 12.1 and 12.3 for requirements and limitations for adhered masonry veneer.
- 5.3 This PEER does not include evaluation of fire classification.
- 5.4 The veneer units shall have a thickness range of min. 0.25-inch to max. 2-5/8 inch, maximum 36 in. (914 mm) in any face dimension, maximum 5 ft² (0.46 m²) in total face area and maximum 15 lb/ft² (73 kg/m²) weight.

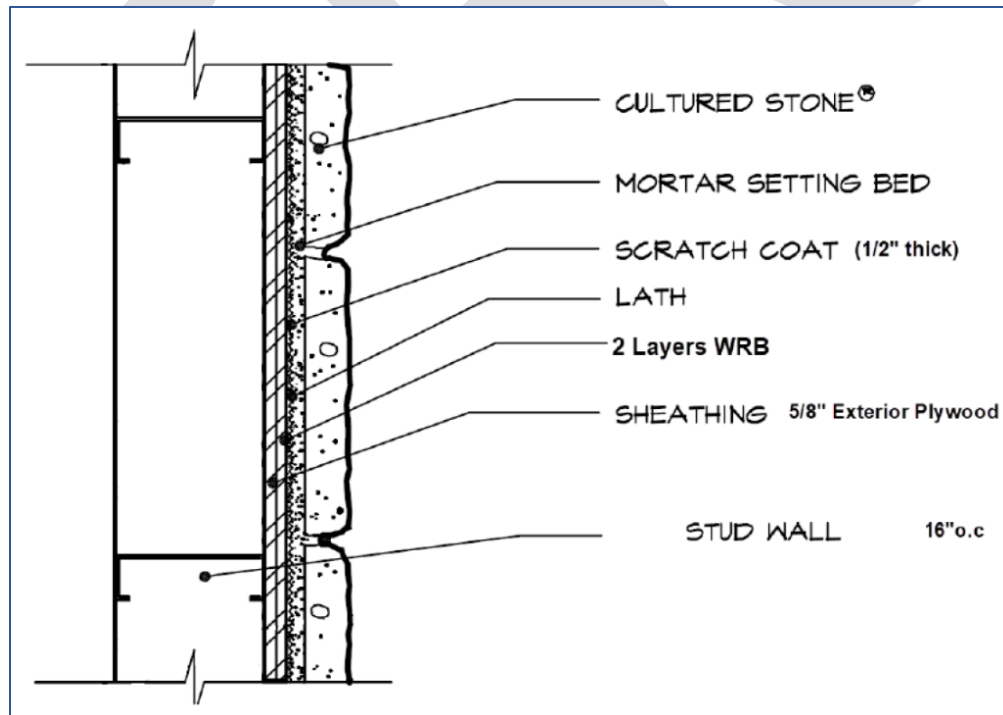
5.5 Transverse-load (wind) resistance:

5.5.1 Assembly 1:

Substrate:	Concrete or masonry meeting FBC requirements to satisfaction of Authority Having Jurisdiction.
Veneer:	Coral Stone, or other Cultured Stone® or ProStone® product of equal or greater thickness and equal or smaller size, applied in ASTM C270 Type S mortar setting bed in accordance with Westlake Royal Stone installation instructions and FBC 1405.10.1.5.
MDP:	-102.2 psf

5.5.2 Assembly 2:

Substrate:	Min. 19/32-inch plywood attached to framing max. 16" o.c. meeting FBC requirements to satisfaction of Authority Having Jurisdiction.
Water-resistive barrier:	In accordance with FBC 1405.10.1.1 to satisfaction of Authority Having Jurisdiction.
Metal lath:	In accordance with FBC 1405.10.1.4.1 to satisfaction of Authority Having Jurisdiction, but not less than 2.5 lb/yd ² (1.4 kg/m ²) galvanized, diamond mesh metal lath (ASTM C847)
Lath fasteners:	Corrosion resistant #8-18 X 1-1/2" self drilling lath screws fastened to the wall studs, maximum 7-inch o.c. vertically.
Scratch coat:	In accordance with FBC 1405.10.1.4.2 to satisfaction of Authority Having Jurisdiction, but not less than a 1/2-inch scratch coat of ASTM C270 Type N or S mortar applied over the lath and allowed to cure for not less than 48-hours prior to veneer application. The scratch coat shall be moistened prior to application of the mortar setting bed.
Veneer:	ProFit LedgeStone, or other Cultured Stone® or ProStone® product of equal or greater thickness and equal or smaller size, applied in ASTM C270 Type N or S mortar setting bed in accordance with Westlake Royal Stone installation instructions and FBC 1405.10.1.4.3.
MDP:	+/- 86 psf



5.5.3 Maximum Design Pressure (MDP) is the result of testing for wind load resistance based on allowable wind loads.

6. INSTALLATION:

Boral Adhered Masonry Veneer shall be installed in accordance with [FBC 1405.10](#), **Westlake Royal Stone** published installation instructions, and the National Concrete Masonry Association Installation Guide for Adhered Manufactured Stone Veneer, subject to the [Limitations of Use](#) herein.

7. BUILDING PERMIT REQUIREMENTS:

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

8. MANUFACTURING PLANTS:

American Canyon, CA

9. QUALITY ASSURANCE ENTITY:

QAI Laboratories (QUA7628); (604) 527-8378; mlansdowne@qai.org

- END OF PEER -