

ICC-ES Evaluation Report

ESR-4248

Issued March 2024


This report also contains:

- **FBC Supplement**

Subject to renewal March 2025

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<p>DIVISION: 04 00 00— MASONRY</p> <p>Section: 04 71 00— Manufactured Brick Masonry</p> <p>Section: 04 73 00— Manufactured Stone Masonry</p>	<p>REPORT HOLDER: J&N STONE INC.</p>	<p>EVALUATION SUBJECT: MANUFACTURED STONE AND BRICK VENEER</p>	
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1.0 EVALUATION SCOPE

Compliance with the following codes:

- 2024, 2021, 2018 and 2015 [International Building Code® \(IBC\)](#)
- 2024, 2021, 2018 and 2015 [International Residential Code® \(IRC\)](#)

Properties evaluated:

Veneer strength and durability

2.0 USES

J&N Stone Manufactured Stone & Brick Veneer is used as an adhered, nonload-bearing exterior veneer on exterior walls of wood stud or light-gage steel stud construction, concrete or masonry.

3.0 DESCRIPTION

The veneer is a precast concrete product made to resemble natural stone or brick in color and texture. The concrete is comprised of cement, aggregate, water, admixtures and coloring. The veneer units are molded and cured at the manufacturing facility. Evaluated veneer styles are as follows:

STONE VENEER STYLES	BRICK VENEER STYLES
Ashlar, CastStone, Cobble, Coral, Coral 24, Country Ledge, CutStone, Laytite, Ledge, Ledge Cut, Plankwood, River Rock, Sandstone, Southern Ledge, Stack-Ease	100 Series, 200 Series, 300 Series

4.0 DESIGN AND INSTALLATION

4.1 Design:

The veneer units described in this report comply with ASTM C1670 which is referenced in TMS 402-22 (for the 2024 IBC), 2021 and 2018 IBC Section 2103.1 and 2024, 2021 and 2018 IRC Section R606.2.6. The veneer units also comply with the unit dimensional limitations for prescriptively designed adhered veneer in Section 13.3.2.2 of TMS 402-22.

The saturated weight of the veneer units does not exceed 15 pounds per square foot (73.2 kg/m²). The weight of the mortar setting bed and scratch coat are outside the scope of this report.

Under the 2024 IBC and IRC, the detailing of the veneer must address the effects of differential movement, as required by Section 13.1 of TMS 402-22. Deflection of horizontal members supporting the veneer must be limited in accordance with Section 13.1.2.3 of TMS 402-22. Expected out-of-plane deflection of the supporting wall must comply with Section 13.3.1.2 of TMS 402-22.

For installation in accordance with the 2021, 2018 and 2015 IBC, supporting wall construction must be designed to support the weight of the veneer system. Horizontal framing members, such as lintels and headers, which support AMSMV, must be designed to limit deflection to $1/600$ of the span.

Expansion or control joints used to limit the effect of differential movement of AMSMV supports must be specified by the architect, designer or veneer manufacturer, in that order. Consideration must be given to movement caused by temperature changes, shrinkage, creep and deflection.

In jurisdictions adopting the IRC, where the seismic provisions of Section R301.2.2 apply, the average weight of the wall supporting the AMSMV, including the weight of the veneer system, must be determined. When this weight exceeds the applicable limits of IRC Section R301.2.2.2, an engineered design of the wall construction must be performed in accordance with IRC Section R301.1.3.

4.2 Installation:

Installation of Manufactured Stone & Brick Veneer must comply with this report, the manufacturer's published installation instructions, and the applicable code. The manufacturer's published installation instructions must be available at the jobsite at all times during installation. Installation must be in accordance with IBC Section 1404.11 (2021 and 2018 IBC Section 1404.10; 2015 IBC Section 1405.10) or IRC Section R703.12, as applicable.

4.3 Special Inspection:

Under the 2024 IBC, special inspection requirements for installation of adhered masonry veneer are addressed in Table 4 of TMS 602-22, referenced in 2024 IBC Section 1705.4.

5.0 CONDITIONS OF USE:

The Manufactured Stone & Brick Veneer described in this report complies with, or is a suitable alternative to what is specified in, those codes listed in Section 1.0 of this report, subject to the following conditions:

- 5.1 The veneer units are manufactured and identified as described in this report.
- 5.2 The veneer units are manufactured under a quality control system with inspections by ICC-ES.

6.0 EVIDENCE SUBMITTED

Data in accordance with the [ICC-ES Acceptance Criteria for Adhered Manufactured Stone Masonry Veneer \(AC51\)](#), dated June 2018 (editorially revised February 2024).

7.0 IDENTIFICATION

- 7.1 The ICC-ES mark of conformity, electronic labeling, or the evaluation report number (ICC-ES ESR-4248) along with the name, registered trademark, or registered logo of the report holder must be included in the product label.
- 7.2 In addition, packages of veneer units are identified with the product name, veneer style and color.
- 7.3 The report holder's contact information is the following:

J&N STONE, INC.
P.O. BOX 1199
DAVENPORT, FLORIDA 33836
(863) 422-7369
www.jnstoneveneer.com

DIVISION: 04 00 00—MASONRY**Section: 04 71 00—Manufactured Brick Masonry****Section: 04 73 00—Manufactured Stone Masonry****REPORT HOLDER:****J&N STONE INC.****EVALUATION SUBJECT:****MANUFACTURED STONE AND BRICK VENEER****1.0 REPORT PURPOSE AND SCOPE****Purpose:**

The purpose of this evaluation report supplement is to indicate that J&N Stone Manufactured Stone and Brick Veneer, addressed in ICC-ES evaluation report ESR-4248, has also been evaluated for compliance with the codes noted below.

Applicable code editions:

- 2023 *Florida Building Code—Building*
- 2023 *Florida Building Code—Residential*

2.0 CONCLUSIONS

The Manufactured Stone and Brick Veneer, described in Sections 2.0 through 7.0 of ICC-ES evaluation report ESR-4248, complies with the *Florida Building Code—Building* or the *Florida Building Code—Residential*. The design requirements must be determined in accordance with the *Florida Building Code—Building* or the *Florida Building Code—Residential*, as applicable. The installation requirements noted in ICC-ES evaluation report ESR-4248 for the 2021 *International Building Code*® meet the requirements of the *Florida Building Code—Building* or the *Florida Building Code—Residential*, as applicable, provided the veneer has a clearance to the final earth grade on the exterior of the building as required by Section 1403.8 of the *Florida Building Code—Building* or Section R318.7 of the *Florida Building Code—Residential*, as applicable.

Use of the Manufactured Stone and Brick Veneer for compliance with the High-Velocity Hurricane Zone provisions of the *Florida Building Code—Building* or the *Florida Building Code—Residential* has not been evaluated, and is outside the scope of this supplemental report.

For products falling under Florida Rule G1G20-3, verification that the report holder's quality assurance program is audited by a quality assurance entity approved by the Florida Building Commission for the type of inspections being conducted is the responsibility of an approved validation entity (or the code official when the report holder does not possess an approval by the Commission).

This supplement expires concurrently with the evaluation report issued March 2024.