

PRODUCT: 04 00 00 Masonry  
DIVISION: 04 70 00 Manufactured Masonry  
SECTION: 04 73 00 Manufactured Stone Masonry

**Report Holder**  
**Glen-Gery Corporation**  
1166 Spring Street  
PO Box 7001  
Wyomissing, PA 19610  
[www.glengery.com](http://www.glengery.com)

#### Manufacturing Location(s)

**Glen-Gery Corporation**  
**Cynthiana Plant**  
267 Safety Way Road  
Cynthiana, Kentucky 41031

### 1. SUBJECT

#### 1.1 *Glen-Gery Stone, Landmark Collection*

### 2. SCOPE

NTA, Inc. has evaluated the above product(s) for compliance with the applicable sections of the following codes. All code sections referenced are applicable to the 2015 code:

- 2.1 2009, 2012 and 2015 International Building Code (IBC)
- 2.2 2009, 2012 and 2015 International Residential Code (IRC)

NTA, Inc. has evaluated the above product(s) in accordance with:

- 2.3 NTA IM 036 Quality System Requirements

NTA, Inc. has evaluated the following properties of the above product(s):

- 2.4 ICC-ES AC51 Acceptance Criteria for Precast Stone Veneer
- 2.5 ASTM C518 Thermal Transmission Properties
- 2.6 ASTM E84 Surface Burning Characteristics

To obtain the most current NTA NER Report, visit [www.ntainc.com/report](http://www.ntainc.com/report).

### 3. USES

**3.1 General.** *Glen-Gery's Landmark Stone Collection* is a manufactured stone veneer which is applied as an adhered veneer on the exterior or interior side of walls for the purpose of providing wall cladding.

**3.2 Construction Types.** *Glen-Gery's Landmark Stone Collection* is a manufactured masonry unit which has been qualified for use in all construction types with consideration of the conditions of use in Section 7.

### 4. DESCRIPTION

**4.1 General.** *Glen-Gery's Landmark Stone Collection* is a manufactured masonry veneer unit which is adhered on the exposed side of exterior or interior walls as cladding.

**4.2 Materials.** *Glen-Gery's Landmark Stone Collection* veneer units are manufactured from a mixture of cement, aggregates, water and admixtures. The units have a minimum thickness of 1 inch, a maximum thickness of 2 5/8 inch, and do not exceed 36 inches in any face dimension and have a face area of less than 5 ft<sup>2</sup>. Units have an average minimum compressive strength of 1,800 psi. Installed units have an average saturated weight of 15 psf or less.

**4.3** *Glen-Gery's Landmark Stone Collection* veneer units have a Class A finish rating complying with IBC Section 803.1.1 and a flame spread index and smoke-developed index complying with IRC Section R302.9, when tested in accordance with ASTM E84.

**4.4** *Glen-Gery's Landmark Stone Collection* veneer units have an average thermal resistance (R-value) of 0.92 hr.ft<sup>2</sup>F/Btu when tested at 1.07-inch thickness in accordance with ASTM C518.

**4.5** Pattern/style for *Glen-Gery's Landmark Stone Collection* include, Ashler, Cut Cobble, Field Ledge, Fieldstone, Glen Ridge, Ledgestone, Limestone, River Rock and Stackstone.

### 5. DESIGN

**5.1** The scope of this report is limited to evaluation of *Glen-Gery's Landmark Stone Collection* used as an adhered veneer cladding on exterior or interior walls.

### 6. INSTALLATION

**6.1 General.** *Glen-Gery's Landmark Stone Collection* is applied over backings of concrete, masonry, steel framing or wood framing, in accordance with IBC Section 1404.4. Application of the veneer units is in accordance with IBC Section 1405.10.2, IRC Section R703.12 as applicable, ASTM C1780 and the manufacturer's installation instructions.

**6.2** *Glen-Gery's Landmark Stone Collection* units are adhered to backings of cement plaster, concrete or concrete masonry. Lath, lath accessories and fasteners, when used, must be corrosion-resistant.

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**6.3** Installation instructions for *Glen-Gery's Landmark Stone Collection* must be available at the job site during installation and strictly followed.

**6.4** Application of *Glen-Gery's Landmark Stone Collection* must include:

- 6.4.1 Water resistive barrier in accordance with IBC Section 1405.10.1.1 or IRC Section R793.2, as applicable.
- 6.4.2 Flashing in accordance with IBC Sections 1405.4 and 1405.10.1.2 or IRC Sections R703.8 and R793.12.2 as applicable.
- 6.4.3 Weep screed or flashing in accordance with IBC Section 1405.10.1.2.1 or IRC Section R703.12.1 (2009 IRC Section R703.6.2.1), and TMS 402-11 Section 6.1.6.2 (ACI 530 Section 6.1.5.2), as applicable.
- 6.4.4 Lath and fasteners in accordance with IBC Section 2510.3 (ASTM C926 and ASTM C1963) or IRC Section R703.6.1, as applicable. Fasteners in wood studs must be galvanized nails, fasteners in steel studs must be corrosion-resistant. Fasteners must comply with the applicable code.. Use of proprietary screws requires justification for shear and pull-out capacity to the satisfaction of the authority having jurisdiction.
- 6.4.5 6.4.5 Cement plaster in accordance with IBC Sections 1405.10.1.4 or IRC Sections R703.2 and 703.6.3, as applicable. Scratch coat must be ½- to ¾-inch thick Type S or Type N mortar complying with ASTM C270 or C1714, scored horizontally in accordance with IBC Section 2512.6.

**6.5** When applied over wood or gypsum sheathing supported by steel or wood studs spaced a maximum of 16 inches on-center supporting lath complying with IBC Sections 1405.10.1.4.1 and 2510. Lath must be fastened with fasteners spaced maximum of 6 inches on-center in accordance with ASTM C1063, and IRC Section R703.6.1

**6.6** When applied over concrete or concrete masonry the surfaces must be prepared in accordance with IBC Section 2510.7 and ASTM C926 Section 5.2. A water-resistive barrier is not required. When used, metal lath shall comply with ASTM C847 or by 1.4 lb/yd<sup>2</sup> woven-wire-mesh complying with ASTM C1032. The veneer units may be applied to backing of

clean concrete masonry without lath in accordance with IBC Section 2510.7 and ASTM C926 Section 5.2.

**6.7** Veneer units are applied in accordance with IBC Section 2103.2.4 with a nominal ½ inch thick setting bed of Type S or N mortar in accordance with Glen-Gery's installation instructions.

## 7. CONDITIONS OF USE

**7.1** *Glen-Gery's Landmark Stone Collection* as described in this report comply with the codes listed in Section 2 above, subject to the following conditions:

**7.2** Product is produced and labeled in a manufacturing location identified in this report.

**7.3** In accordance with 2015 IBC Section 1405.10.1.3 or 2015 IRC Section R703.12.1, as applicable, "When installed on exterior walls, the veneer units shall be installed a minimum of 4 inches (102 mm) above the earth, or a minimum of 2 inches (51 mm) above paved areas, or a minimum of ½ inch (12 mm) above exterior walking surfaces that are supported by the same foundation that supports the exterior wall."

**7.4** "Expansion or control joints used to limit the effect of differential movement of precast stone veneer 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 accordance with *AC51*.

**7.5** "For installation in accordance with the 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 precast stone veneer, must be designed to limit deflection to 1/600 of the span" in accordance with *AC51*.

**7.6** "In jurisdictions adopting the IRC, where the seismic provision of Section R301.2.2 apply, the average weight of the wall supporting the precast stone veneer, including the weight of the veneer system, must be determined. When this weight exceeds the applicable limits of IRC Section R301.2.2.2.1, an engineered design of the wall construction must be performed in accordance with IRC Section R301.1.3" in accordance with *AC51*.

**7.7** *Glen-Gery's Landmark Stone Collection* must be installed in accordance with the manufacturer's published installation instructions, this report, and the applicable code. Where conflicts occur, this report governs.

**7.8** *Glen-Gery's Landmark Stone Collection* must be manufactured at the facility listed in this report.

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## 8. EVIDENCE SUBMITTED

NTA, Inc. has examined the following evidence to evaluate this product:

- 8.1** Review of each plant's quality assurance manual and inspection of manufacturer's production facility in accordance with NTA IM 036.
- 8.2** Qualification test data in accordance with ICC-ES AC51, approved January 2016.
- 8.3** Qualification test data in accordance with ASTM E84.
- 8.4** Qualification test data in accordance with ASTM C518.
- 8.5** Periodic quality assurance audits of the production facility(ies).

Evaluation evidence and data are on file with NTA, Inc. NTA, Inc. is accredited by the International Accreditation Service (IAS) as follows:

- ISO 17020 Inspection Agency (AA-682)
- ISO 17025 Testing Laboratory (TL-259)
- ISO 17065 Product Certification Agency (PCA-102)

The scope of accreditation related to testing, inspection or product certification pertain only to the test methods and/or standard referenced therein. Design parameters and the application of building code requirements, such as special inspection, have not been reviewed by IAS and are not covered in the accreditation. Product evaluations are performed under the direct supervision of Professional Engineers licensed in all jurisdictions within the United States as required by the building code and state engineering board rules.

## 9. FINDINGS

**All products referenced herein are manufactured under an in-plant Quality Assurance program to ensure that the production quality meets or exceeds the requirements of the codes noted herein and the criteria as established by NTA, Inc. Furthermore, product must comply with the conditions of this report.**

*This report is subject to annual review.*

## 10. IDENTIFICATION

Packages of *Glen-Gery Stone, Landmark Collection* veneer units shall be permanently marked to provide the following information:

- 10.1** The NTA, Inc. certification mark, shown below.
- 10.2** NTA's NER-1073
- 10.3** Manufacturing location and date of manufacture, production lot number (traceable to the manufacturing plant location and date).
- 10.4** Manufacturer's name and the pattern/style name of the veneer units.



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## Florida Supplement

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**267 Safety Way Road**  
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### 1.0 Recognition

*Glen-Gery Stone, Landmark Collection* as evaluated in NTA-1073 is a satisfactory alternative to the following codes:

- 2014 Florida Building Code, Building (FBC, Building)
- 2014 Florida Building Code, Residential (FBC, Residential)

### 2.0 Conditions of Use

- 2.1 Flashing must be installed “in such a manner as to prevent the accumulation of water within the wall assembly” in accordance with FBC, Building, Section 1403.2.
- 2.2 “In order to provide for inspection for termite infestation, clearance between exterior wall coverings and final earth grade on the exterior of a building shall not be less than 6 inches (152 mm)” in accordance with FBC, Building Section 1403.7 or FBC, Residential Section R704, as applicable.
- 2.3 Conformance to the high-velocity hurricane zone provisions of FBC, Building Section 1409 and FBC, Residential Chapter 44, has not been evaluated for this report.

Verification shall be provided that a quality assurance agency, approved by the Commission or the building official building official when the report holder does not possess an approval by the Commission, audits the manufacturer’s quality assurance program and audits the production quality of products, in accordance with Florida Rule 61G20-3.008, Section (5)(d).

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