

Tru-Brix

R E A L B R I C K S I D I N G

GUIDE SPECIFICATION

MASTERFORMAT SECTION 04780 (Thin Brick Siding)



Section 04780

TRU-BRIX REAL BRICK SIDING SYSTEM SPECIFICATION

This specification is prepared in accordance with the Master Format, Section Format, and Page Format system of the Construction Specifications Institute (CSI)

The content of this specifications is general and must be modified to specific requirements of a project. This guide specification is intended for use by experienced and knowledgeable professionals who must assume responsibility for its interpretation, modification and usage.

Square brackets [] containing text indicate an option that may be selected by the Specifier. Remove brackets and any unused portions of text prior to publishing. Renumber as necessary.

1. GENERAL

1.01 SUMMARY

A. Related Documents:

1. Installation Instructions by Glen-Gery.
2. General and Supplemental Conditions of the Contract
3. Division 1 General Requirements
4. Drawings

B. Section Includes:

1. Brick siding system, including
 - a. 1-inch thick specially grooved brick
 - b. Proprietary coated steel "rails" which mechanically capture the brick
 - c. Proprietary drainage-type air barrier building wrap
 - d. Proprietary screw fasteners
 - e. Proprietary bagged mortar mix (add water only)
2. All accessories including adhesive flashing, vinyl trim, adhesives, and other materials.

C. Related Sections:

- [1. Section 04 22 00 - Concrete Unit Masonry (Substrate)]
- [2. Section 05 41 00 - Cold Rolled Metal Stud Framing (Substrate)]
- [3. Section 06 10 00 - Rough Carpentry (Substrate)]
4. Section 07 26 00 - Air/Vapor Barriers
5. Section 07 92 00 - Sealants for Control Joints
6. Section 07 93 00 - Vinyl Trim

1.02 SUBMITTALS

- A. Tru-Brix Technical Data Sheet by Glen-Gery

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- B. Letter of Certification from Glen-Gery certifying that system components meet the following standards:
1. Brick units meet ASTM C216 Grade SW and ASTM C1088 Grade Exterior
 2. Mortar meets ASTM C270 Type N Mortar cement
 3. Steel holding rails are minimum 0.025 inch overall thickness and meet Galvanizing Grade G90 and are guaranteed by Glen-Gery against failure for 50 years.
 4. Drainage Building Wrap meets;
 - a. Vapor Permeability rating 10 perms per ASTM E96 Procedure A
 - b. Vapor transmission rating 73 g/m²/24Hrs per ASTM E96
 - c. Air leakage resistance rating 0.03cfm/ft² at 75Pa
 - d. Water resistance rating Pass per ASTM E331
- C. Letter of Certification from the installation contractor certifying that the materials that will be used are the materials described in the Glen-Gery Letter of Certification.
- D. Written 50-year Limited Guaranty from Glen-Gery.
- E. Two each samples of;
1. Window flashing, with Flashing manufacturers specification data
 2. Corner flashing (if different than window flashing) with specification data
 3. Attachment screws or anchors (every type proposed throughout the project)
- F. Shop drawings for;
1. Each exterior corner condition
 2. Each window sill condition
 3. Each wall opening head condition
 4. Each wall opening jamb condition
 - [5. Other conditions or special brick shapes.]
- [G. Approvals by Glen-Gery for substitutions of anchors or accessories.]

1.03 QUALITY ASSURANCE

- A. Install the siding system in strict compliance with the manufacturer's installation guidelines.
- B. Do not apply siding where substrate or structural building elements appear defective or damaged.
- C. Tru-Brix should only be applied to walls with a maximum allowable deflection of L/360

1.04 DELIVERY, STORAGE AND HANDLING

- A. Deliver siding materials in accordance with manufacturers' guidelines. Inspect all materials upon delivery at site and immediately inform manufacturer or dealer of any defects.
 - B. Store materials with protection from precipitation, wet ground or supports, contamination from other materials or spills, and damage from any activities or materials.
 - C. Handle materials such that they are not damaged, including breakage, bending or contamination.
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2. PRODUCTS

2.01 MANUFACTURER

- A. Provide products as manufactured by Glen-Gery (the manufacturer) and distributed in accordance with contracts granted by Glen-Gery, 1166 Spring Street, Wyomissing, PA 19610, 610-374-4011.
- B. Substitutions and accessories must be approved in writing by Glen-Gery prior to usage.

2.02 BRICK

- A. Kiln fired clay brick meeting ASTM C216 Grade SW and ASTM C1088 Grade Exterior:
 - 1. Stretcher and soldier units [8¹/₂"] [7⁵/₈"] long by 2³/₄" face height by 1" thick
 - 2. 90 degree exterior corner units, left handed and right handed, 1" thick with legs [8¹/₂" and 4"] [7⁵/₈" and 3⁵/₈"].
 - [3. Sill units per drawing #S-6]
 - [4. Arch units, left handed and right handed, per drawing]
 - [5. Arch keystone per drawing]
 - [6. 45 degree exterior corner units, left hand and right hand, per drawing OX-45]
 - [7. Special shape per drawing ____]
- B. Color [insert color name]; Texture [Standard] [Antique] [Handmade] [Matt] [Smooth]
- C. Brick not manufactured by Glen-Gery specifically for Glen-Gery Siding Systems may be used with special permission and test samples supplied well in advance.

2.03 STEEL HOLDING RAILS (RAILS)

- A. Proprietary polymer coated, .027" nominal, G-90 galvanized, cold roll formed, Commercial CS Type B, Non-chemical treated, Minimum Spangle, Smooth Steel, pre-punched 12' length standard. Other lengths available (with conditions).
- B. 50-year manufacturer's limited guaranty against failure from corrosion or wear.

2.03 ANCHORS

- [A. Glen-Gery supplied T-2 #8 x 3/4" self-drilling stainless steel, coated as required.
 - [B. Glen-Gery supplied ceramic coated wood screws #10 by 1" to 2 1/2" as required by Glen-Gery Installation Instructions.]
 - [C. Glen-Gery supplied self-drilling polymer coated metal screws 1" to 1 1/2" as required by Glen-Gery Installation Instructions.]
 - [D. Glen-Gery-approved concrete and masonry anchors per submittal.]
 - [E. Glen-Gery-approved specialty anchors per submittal.]
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2.04 AIR BARRIER/BUILDING WRAP

- A. Proprietary "Tru-Brix" drainage-type wrap manufactured for and provided by Glen-Gery. Substitutions are not permitted without written permission.
- B. Proprietary "Tru-Brix" Sealing Tape manufactured for and provided by Glen-Gery. Substitutions are not permitted without written permission.

2.05 FLASHINGS

- A. Self-adhering rubberized asphalt membrane, 25 mil thickness minimum.
 - 1. Window, Door and Openings flashing 4" wide minimum.
 - 2. Corner flashing 8" wide minimum.

2.06 SEALANT

- A. At all locations indicated by drawings and by Glen-Gery Installation Instructions; Silicone Sealant meeting ASTM C920 Type S, NS, Class 25 use NT, G, A & 0, as provided by GE Silicone II, or equal.

3 EXECUTION

3.01 EXAMINATION PRIOR TO EXECUTION

- A. Prior to siding installation, examine dimensions, alignment and level of substrate and structural wall elements. Notify Architect or Owner's Representative when supporting substrates do not comply with construction requirements and requirements of Glen-Gery Installation Instructions.
- B. Commencement of work constitutes acceptance of the substrates and anchoring elements by the Contractor.

3.02 PREPARATION

- A. Prepare substrates as required by Glen-Gery Installation Instructions.
- B. Select and mix brick from several pallets to blend colors and assure proper color distribution throughout the wall (or project).

3.03 PROTECTION

- A. Plan and execute procedures to prevent damage to existing work and property during transportation and delivery of materials and execution of siding installation.
 - B. Allow access to structure and site by other trades.
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3.04 INSTALLATION

- A. Glen-Gery Tru-Brix Siding shall be installed in accordance with the manufacturer's Glen-Gery Installation Instructions.
- B. Clean window, door and opening frames prior to installing self-adhesive flashing.
- C. Do not apply any building wrap that contains tears or holes.
- D. Do not move any rails after any anchor or screw has been installed and removed or broken. This could create damage to the wrap that could lead to water intrusion to the substrate.
- E. Damage to the Tru-Brix Drainage Wrap requires removal of enough siding to replace the damaged Wrap in accordance with Installation Instructions, including proper horizontal and vertical lapping.
- F. Do not proceed with installation where conditions vary from or are not covered by the Glen-Gery Installation Instructions, the Drawings, or these Specifications until written permission is obtained from the manufacturer.
- G. Corner Flashing must be installed over the Building Wrap under all expansion and control joints in the Siding, whether indicated on the Drawings or not.
- H. Cleaning
 - 1. Remove excess mortar in accordance with Glen-Gery Installation Instructions, or as approved in writing by Glen-Gery.
 - 2. Remove excess sealant in accordance with sealant manufacturer's recommendations.

END OF SECTION
