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RESEARCH REPORT: RR 24560
(CSI #04 05 19)

Expires: April 1, 2021
Issued Date: September 1, 2019
Code: 2017 LABC

GENERAL APPROVAL – Renewal - Fleming Anchor Slot for anchoring brick veneer.

DETAILS

The brick veneer anchoring system consists of a specially fabricated steel channel designated as Fleming Anchor Slot and a sheet metal clip designated as Fleming Anchor. The Channel is installed vertically and attached to a steel stud with screws or to a wood stud with nails or screws. One end of the clip locks onto the open end of the slot and the other end engages a horizontal wire in the horizontal mortar joint of the brick veneer. The channel anchor slot is fabricated from No. 22 gage steel and measures one inch by $\frac{5}{8}$ inch in cross section. The clip is fabricated from No. 14 gage steel and measures 2", 3", 4" and 5" in length and 1½ inches in width. Both pieces of hardware are galvanized.

The approval of the system is subject to the following requirements:

1. Stud and anchor slot spacing shall not exceed 16 inches on center.
2. Each slot shall be attached to a No. 16 gage galvanized steel stud with No. 10 galvanized Tek screws at a maximum spacing of 12 inches on center, or attached to a Group II wood stud with 10d galvanized common nails or #10x2" corrosion resistant drywall screws at a maximum spacing of 12 inches on center.
3. Stud end connections and the stud element to which the slot is connected shall be investigated for design loads.
4. Narrow end of the anchor clip shall be inserted into the slot. Wide end of the clip shall be secured to #8 horizontal wire in horizontal mortar joints of veneer units. Six-inch minimum lap shall be provided for the horizontal wire

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5. Anchor clips shall be installed at maximum spacing of 16 inches on center horizontally and 12 inches on center vertically.
6. Veneer for the system shall be not greater than 3⁵/₈" inches in thickness and weigh not more than 36 pounds per square foot.
7. Except as prescribed herein, installation of the veneer and its backing shall comply with Chapter 14 of the 2014 Los Angeles City Building Code.
8. All details for use of the system shall be indicated on plans by the design engineer and the plans and approval shall be submitted to the Department for review by Plan Check.
9. Gypsum sheathing used as backing for the veneer must be approved under a separate report for uses in areas defined as weather-exposed surfaces.

DISCUSSION

The report is in compliance with the 2017 Los Angeles City Building Code.

The approval was based on tests and analysis.

Addressee to whom this Research Report is issued is responsible for providing copies of it, complete with any attachments indicated, to architects, engineers and builders using items approved herein in design or construction which must be approved by Department of Building and Safety Engineers and Inspectors.

This general approval of an equivalent alternate to the Code is only valid where an engineer and/or inspector of this Department has determined that all conditions of this approval have been met in the project in which it is to be used.

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R09/08/2019
TLB1900151
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Attachment: 6 Pages of Product Details.