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Attn: Jason Oakley, P.E.
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RESEARCH REPORT: RR 25560
(CSI # 04 06 19.16)

BASED UPON ICC-ES EVALUATION
SERVICE REPORT No. ESR-1056

REEVALUATION DUE

DATE: July 1, 2019

Issued Date: August 1, 2017

Code: 2017 LABC

GENERAL APPROVAL – Clerical Modification - Titen HD Masonry Screw Anchors.

DETAILS

The above assemblies and products are approved when in compliance with the use, description, design, installation, conditions of use, and identification of Report No. ESR-1056 reissued March 1, 2017 of the ICC Evaluation Service, LLC. The report, in its entirety, is attached and made part of this general approval.

The parts of Report No. ESR-1056 marked by the asterisks has been removed by the Los Angeles Building Department from this approval.

The approval is subject to the following conditions:

1. The values shown in this report shall not be used in repair, retrofit and new construction of tilt-up wall anchorage (in tension) for the connection with the horizontal wood diaphragm.
2. A 25% reduction in all allowable loads specified in the research report shall be taken in hold-down devices as required by the 2017 Los Angeles City Building Code.
3. The anchors shall not be used in cracked masonry.

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Re: Titen HD Concrete Screw Anchors

4. Anchors are identified and installed in accordance with this report and the manufacturer's published installation instructions.
5. Design of Titen HD Screw Anchors installed in the face of fully grouted concrete masonry construction to resist dead, live, wind and earthquake load applications shall be in accordance with Sections 3.2 of ESR-1056.
6. Anchors shall be installed in accordance with Section 4.0 of ESR-1056 and the holes for the anchors shall be predrilled with carbide-tipped masonry drill bits complying with ANSI B212.15-1994 into the approved substrate, and have the same diameter as the nominal diameter of the anchor.
7. Calculations demonstrating that the applied loads are less than the allowable loads described in this report shall be submitted to the structural plan check division at the time of permit application. The calculations shall be prepared by a Civil or Structural Engineer registered in the State of California.
8. Special inspection shall be provided in accordance with Section 1705 of the 2017 Los Angeles Building Code.
9. Anchors shall be limited to dry and interior use.
10. Each anchor shall bear a permanent identification indicating the manufacturer's name or symbol and product designation.
11. The anchors shall be installed per the manufacturer's instructions, except as otherwise stated in this report. A copy of this research report and the installation instructions shall be available at each job site.
12. Anchors are limited to non-fire resistive construction except for anchors that resist wind or seismic load only.
13. The grout shall have attained its minimum design strength prior to installation of the anchors.

DISCUSSION

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

The approval is based on tests in accordance with ICC ES Acceptance Criteria for Predrilled Fastener (Screw Anchors) in Masonry (AC 106), dated November 2015.

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.

Simpson Strong-Tie Co., Inc.
Re: Titen HD Concrete Screw Anchors

This general approval will remain effective provided the Evaluation Report is maintained valid and unrevised with the issuing organization. Any revisions to the report must be submitted to this Department, with appropriate fee, for review in order to continue the approval of the revised report.

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.

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Attachment: ICC ES Report No. ESR-1056 (5 Pages)