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RESEARCH REPORT: RR 25936  
(CSI# 04081)

BASED UPON IAPMO EVALUATION SERVICE  
REPORT NO. ER-0240

REEVALUATION DUE  
DATE: June 1, 2019  
Issued Date: April 1, 2017  
Code: 2017 LABC

**GENERAL APPROVAL** – Reevaluation - Simpson Strong-Bolt® 2 Wedge Anchors in Masonry

**DETAILS**

Simpson Strong-Bolt® 2 Wedge Anchors in Masonry are approved when in compliance with the use, description, design, installation, conditions of use, and identification of Report No.ER-0240, originally issued January 2012, revised January 30, 2017 of the IAPMO Evaluation Service, Incorporated. The report, in its entirety, is attached and made part of this general approval.

The parts of Report No.ER-0240 marked by the asterisks have been removed by the Los Angeles Building Department from this approval.

**The approval is subjected to the following conditions:**

1. The use of the anchors is limited to installations in uncracked masonry.
2. The use of anchors in Fire-resistive constructions shall be in accordance Section 5.6 of the ER-0240 report.
3. The use of the anchors to resist loads from fatigue or shock loading is outside the scope of the approval.

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4. Design of 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 Section 4.1 of ER-0240.
5. The allowable tension and shear loads given in Table 2 of the ER-0240 may be increased by 1/3 only when the alternative basic load combinations from Section 1605.3.2 of the 2014 LABC that include wind or earthquake loads are used.
6. Anchors shall be installed in accordance with Section 4.2 of ER-0240 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 plan check engineer at the time of permit application. The calculations shall be prepared by a Civil or Structural Engineer registered in the State of California.

EXCEPTION: Anchors used for the installation of mechanical, plumbing and electrical equipment shall be designed and detailed on a plan prepared by an engineer licensed by the state of California.

8. Special inspection shall be provided in accordance with Section 1704 of Los Angeles Building Code.
9. Use of anchors shall be limited to dry and interior locations.
10. The concrete shall have attained its minimum design strength prior to installation of the anchors.
11. Each anchor shall bear a permanent identification indicating the manufacturer's name or symbol and product designation.
12. 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.

## **DISCUSSION**

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

The approval is based on tests in accordance with ICC-ES Acceptance Criteria for Expansion Anchors in Masonry Elements (AC01), dated November 2015.

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This general approval will remain effective provided the Evaluation Report is maintained valid and unrevised with the issuing organization. Any revision to the report must be submitted to this Department for review with appropriate fee 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.

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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Attachment: ICC ES Report No. ER-0240 (7 Pages)