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Attn: Jennifer Ray
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RESEARCH REPORT: RR 26028
(CSI # 03 16 00)

BASED UPON ICC EVALUATION SERVICE
REPORT NO. ESR-3814

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

GENERAL APPROVAL – Reevaluation and Clerical Modification - HILTI HIT-RE 500 V3 Adhesive Anchors and Post-Installed Reinforcing Bar Connections in Cracked and Uncracked Concrete.

DETAILS

The above assemblies and/or products are approved when in compliance with the use, description, design, installation, conditions of use, and identification of Evaluation Report No. ESR-3814, issued January 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-3814 which are marked by the asterisks are deleted or revised by the Los Angeles City Building Department from this approval.

The approval is subject to the following conditions:

1. The design information listed in the attached report and tables are valid for the fasteners only. Connected members shall be checked for their capacity (which may govern).
2. Design information, edge distances, spacing and minimum embedment requirements shall be per Tables in ICC-ES Report No. ESR-3814.

RR 26028
Page 1 of 3

Hilti, Inc.

RE: HILTI HIT-RE 500 V3 Adhesive Anchors in Concrete

3. Prior to installation, calculations and details demonstrating compliance with this approval letter and the 2017 Los Angeles Building Code must be submitted the structural plan check division for review. The calculations and details must be prepared by a licensed civil or structural engineer registered in the state of California.
4. Special inspection in accordance with Section 1705.3 of the 2017 Los Angeles City Building Code shall be provided for anchor installations.
5. The anchors shall be installed as per the attached manufacturer's instructions except as otherwise stated in this report. Copies of the installation instructions shall be available at each job site.
6. The adhesive anchors and post installed reinforcing bar connectors shall not be used to support fire-resistive construction, unless in compliance with Section 5.12 of ICC-ES ESR-3814.
7. Minimum concrete cover per Chapter 20.6.1 of the ACI 318-14 shall be followed whenever applicable.
8. The anchors shall be identified by labels on the packaging indicating the manufacturer's name and product designation.
9. Attachment to masonry is outside the scope of this approval.

DISCUSSION

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

This approval is based on ICC-ES Acceptance Criteria for Post-Installed Adhesive Anchors in Concrete (AC308), dated June 2015, which incorporates requirements in ACI 355.4-11.

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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RE: HILTI HIT-RE 500 V3 Adhesive Anchors in Concrete

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.

Hilti offers software to assist in the design of anchorage using Hilti products.

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1901.3, ACI 318-14, CH.17

Attachment: ICC ES Report No. ESR-3814 (45 Pages)