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RESEARCH REPORT: RR25739
(CSI #03151, 05090)

BASED UPON ICC ES EVALUATION
REPORT NO. ESR-1955

REEVALUATION DUE
DATE: December 1, 2017
Issued Date: March 1, 2015
Code: 2014 LABC

GENERAL APPROVAL –Reevaluation - Ramset T3 Power-Driven Fasteners

DETAILS

The above assemblies and/or products are approved when in compliance with the use, description, design, installation, conditions of use, and identification of Report No. ESR-1955, reissued July 1, 2014, 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-1955 which are marked by an asterisk have been removed by the Los Angeles City Building Department from this approval.

The approval is subject to the following conditions:

1. Shear values for fasteners in concrete are for connections of steel to concrete. Allowable bearing stresses for the steel material being connected shall not be exceeded.
2. The minimum concrete thickness shall be three times the fasteners embedment in concrete, except where noted otherwise in this report.
3. For working values in steel, the fasteners shall have sufficient length so that the entire pointed portion of the shank pierces the steel plate.
4. The allowable values listed in the attached report and tables are for the fasteners only. Connected members shall be checked for their capacity (which may govern).

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ITW Ramset
Ramset T3 Power-Driven Fasteners

5. Use of the low velocity fasteners to the metal deck, the fasteners shall be installed through the metal deck and into the concrete at the upper or lower flute as designated in the table. The fastener must be a minimum of 1 1/8 inches from the edge of the deck web and 4 inches from the end of the deck. The minimum fastener spacing is 4 inches.
6. No increase is permitted in the tabulated allowable load values for short duration loading.
7. The fasteners shall be installed per the manufacturer's instructions, a copy of which shall be available at each job site.
8. The containers of the fasteners shall be labeled with the ITW Ramset company name; the fastener product name, length, catalog number, and quantity; the evaluation report number (ESR-1955); and the manufacturing date and lot number. In addition, all of the fasteners shall be identified by the letter "R" stamped into the fastener head.

DISCUSSION

The report is in compliance with the 2014 Los Angeles City Building Code.

The approvals are based on data in accordance with the ICC-Acceptance Criteria (AC 70).

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 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. ESR-1955 (4 Pages)