

CITY OF LOS ANGELES  
CALIFORNIA

BOARD OF  
BUILDING AND SAFETY  
COMMISSIONERS

VAN AMBATIELOS  
PRESIDENT

E. FELICIA BRANNON  
VICE PRESIDENT

JOSELYN GEAGA-ROSENTHAL  
GEORGE HOVAGUIMIAN  
JAVIER NUNEZ



ERIC GARCETTI  
MAYOR

DEPARTMENT OF  
BUILDING AND SAFETY  
201 NORTH FIGUEROA STREET  
LOS ANGELES, CA 90012

FRANK M. BUSH  
GENERAL MANAGER  
SUPERINTENDENT OF BUILDING

OSAMA YOUNAN, P.E.  
EXECUTIVE OFFICER

ITW Ramset  
700 High Grove Boulevard  
Glendale Heights, IL 60139

Attn: Dave Jablonski  
(800)-848-5611

RESEARCH REPORT: RR 25264  
(CSI # 031 1600; 04 05 19.16; 05 05 23)

BASED UPON ICC EVALUATION SERVICE  
REPORT NO. ESR-2579

REEVALUATION DUE  
DATE: September 1, 2018  
Issued Date: June 1, 2017  
Code: 2014 LABC

**GENERAL APPROVAL** – Reevaluation and Clerical Modification - ITW Ramset Trakfast Fasteners

**DETAILS**

ITW Ramset Trakfast Fasteners are approved when in compliance with the use, description, design, installation, conditions of approval, and identification of Evaluation Report No. ESR-2579, reissued March 1, 2017, of the ICC-ES Evaluation Services, Incorporated. The report, in its entirety, is attached and made part of this general approval.

The parts of Evaluation Report No ESR-2579 marked by the asterisks are deleted or revised by the Los Angeles Building Department from this approval

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

1. The fasteners shall not be used to resist seismic loads, except when used with architectural, electrical, or mechanical components as described in Section 13.1.4 of ASCE 7-10 and as follows:
  - a) Concrete base materials: The ITW Ramset Fasteners installed in concrete may be used to support distributed systems and distribution systems where the service load on any individual fastener does not exceed the lesser of 90 lbf or the published allowable load shown in Tables 2 and 3 of the attached ICC-ES ESR-2579, as applicable.

RR 25264  
Page 1 of 3

- b) Steel base materials: The ITW Ramset Fasteners fasteners installed in steel may be used where the service load on any individual fastener does not exceed the lesser of 250 lbf or the published allowable load shown in Table 4 of the attached ICC-ES ESR-2579.
  - c) For interior, nonstructural walls that are not subject to sustained tension loads and are not a bracing application, the power-driven fasteners may be used to attach steel track to concrete or steel in all Seismic Design Categories. In Seismic Design Categories D, E and F, the allowable shear load due to transverse pressure shall be no more than 90 pounds when attaching to concrete; or 250 pounds when attaching to steel. Substantiating calculations shall be submitted addressing the fastener- to-base-material capacity and the fastener-to attached-material capacity. Interior nonstructural walls are limited to locations where bearing walls, shear walls or braced walls are not required by the approved plans. The design load on the fastener must not exceed the allowable load established in the attached ESR-2579 for the concrete or steel base material.
2. The allowable values listed in the tables are for the fasteners only. The connected drywall tracks shall be checked for their capacity.
  3. No increase is permitted in the tabulated allowable loads for short duration loading.
  4. The Trakfast Fasteners are identified by an “R” stamped into the head of the fasteners.
  5. Fasteners shall not be installed until the concrete has reached the designated compressive strength.
  6. The fasteners shall be installed per the manufacturer’s instructions, a copy of which shall be available at each job site.
  7. Minimum concrete thickness shall be 3 times the fastener penetration into the concrete.

## **DISCUSSION**

The clerical modification is to change the phone number of the contact person.

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

The approval is based on tests in accordance with ICC ES Acceptance Criteria for Fasteners Power-driven into Concrete, Steel and Masonry Elements (AC70), dated October 2006.

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.

ITW Ramset

RE: ITW Ramset Trakfast Fasteners

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.

---

QUAN NGHIEM, Chief  
Engineering Research Section  
201 N. Figueroa St., Room 880  
Los Angeles, CA 90012  
Phone- 213-202-9812  
Fax- 213-202-9943

QN  
RR25264  
R05-21-17  
TLB1700202  
104.2.6

Attachment: ICC ES Report No. ESR-2579 (4 Pages)