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Simpson Strong-Tie Co, Inc.  
12246 Holly St.  
Riverside, CA 92509

Attn: Jason Oakley  
(714) 448-9143

RESEARCH REPORT: RR 26030  
(CSI #031600)

BASED UPON ICC-ES EVALUATION  
REPORT NO. ESR-3707

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

**GENERAL APPROVAL** – Reevaluation - Simpson Strong-Tie Blue Banger Hanger Headed Cast in Place Inserts.

**DETAILS**

The above assemblies and/or products are approved when in compliance with the use, description, design, installation, conditions of approval, and identification of Evaluation Report No. ESR-3707, revised January 19, 2016, of the ICC-ES Evaluation Services, LLC. The report, in its entirety, is attached and made part of this general approval.

The parts of the ES Report, ESR-3707, which are excluded on the attached copy have been removed by the Los Angeles Building Department as not being included in this approval.

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

1. Plans and Details, and Calculations shall be from a Civil or Structural Engineer, licensed by the State of California.
2. The concrete tension and shear capacity of Blue Banger Hangers shall be calculated in accordance with ACI 318-14 Chapter 17, with the design values specified in Table 1 and 2 of the attached ESR-3707. The threaded rod or concrete capacity may govern the overall connection capacity.
3. Blue Bangers shall only support non-structural components.

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Simpson Strong-Tie Co, Inc.  
RE: Blue Banger Hanger Headed Cast in Place Inserts

## **DISCUSSION**

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

The approval is based on tests and analyses in accordance with ICC-ES AC 446, dated February 2015, editorially revised January 2016.

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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QN  
RR26030  
R06/13/2017  
TLB1700228  
ACI318-14 CH 17, 1905.1.8

Attachments: ICC-ES Evaluation Report No. ESR-3707 (12 Pages).