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RESEARCH REPORT: RR 26013
(CSI #031600)

BASED UPON ICC-ES
EVALUATION
REPORT NO. ESR-3599

REEVALUATION DUE

DATE: October 1, 2018

Issued Date: December 1, 2017

Code: 2017 LABC

GENERAL APPROVAL – Technical Modification - ISAT Blue Banger Hanger Headed Cast in Place Deck Inserts: PIP Poured-In-Place and SDI Steel Deck Inserts in Cracked and Uncracked Concrete; ISAT “Push Rod Hangers” (CEAS “Push Rod”) Headed, Cast-In-Place Deck Inserts: ISAT-PRPIP3812 (PRPIP3812) Push Rod Poured-In-Place and ISAT-PRSDI3812 (PRSDI3812) Push Rod Steel Deck Inserts 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 approval, and identification of Evaluation Report No. ESR-3599 reissued November 2017 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-3599, which are excluded on the attached copy have been removed by the Los Angeles Building Department as not being included in this approval.

The internally threaded insert, as described in ES Report, ESR-3599 are manufactured from ASTM A29 Grade 1010 or SAE 1008 carbon steel.

Tomarco/ISAT

RE: ISAT Blue Banger Hanger Headed Cast in Place Deck Inserts: PIP Poured-In-Place and SDI Steel Deck Inserts in Cracked and Uncracked Concrete; ISAT “Push Rod Hangers” (CEAS “Push Rod”) Headed, Cast-In-Place Deck Inserts: ISAT-PRPIP3812 (PRPIP3812) Push Rod Poured-In-Place and ISAT-PRSDI3812 (PRSDI3812) Push Rod Steel Deck Inserts in Cracked and Uncracked Concrete

The approval is subject to the following conditions:

1. Prior to installation, calculations and details shall be submitted to the Structural Plan Check Section for review and approval for each application. The calculations and details shall be prepared by a Civil or Structural Engineer, licensed by the State of California.
2. The Strength design values must be calculated and established in accordance with Section 4.1 of attached ICC-E.S. Evaluation Service Report, ESR-3599.
3. The Allow design values must be calculated and established in accordance with Section 4.2 of attached ICC-E.S. Evaluation Service Report, ESR-3599.
4. The use of these anchors under shock and fatigue loading is beyond the scope of this general approval.
5. The performance and serviceability of deflection sensitive attachments and equipment has not been addressed and is beyond the scope of this general approval.
6. Blue Banger Hanger Specialty Inserts shall only support non-structural components.

DISCUSSION

The technical modification is to recognize ISAT-PRPIP3812 (PRPIP3812) Push Rod Poured-In-Place and ISAT-PRSDI3812 (PRSDI3812) Push Rod Steel Deck Inserts as part of this general approval

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.

Tomarco/ISAT

RE: ISAT Blue Banger Hanger Headed Cast in Place Deck Inserts: PIP Poured-In-Place and SDI Steel Deck Inserts in Cracked and Uncracked Concrete; ISAT "Push Rod Hangers" (CEAS "Push Rod") Headed, Cast-In-Place Deck Inserts: ISAT-PRPIP3812 (PRPIP3812) Push Rod Poured-In-Place and ISAT-PRSDI3812 (PRSDI3812) Push Rod Steel Deck Inserts in Cracked and Uncracked 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.

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RR26013
TLB1700402
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Attachments: ICC-ES Evaluation Report No. ESR-3599 (19 Pages).