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RESEARCH REPORT: RR 26000
(CSI # 05 31 00)

BASED UPON ICC-ES EVALUATION
REPORT NO. ESR-3693

REEVALUATION DUE
DATE: November 1, 2018
Issued Date: November 1, 2016
Code: 2014 LABC

GENERAL APPROVAL – Reevaluation/Clerical Modification - Steel Deck Diaphragms
attached with Hilti S-MD 12-24 x 1 5/8 M HWH5 Frame Fasteners

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-3693 issued May 2016, of the ICC-ES Evaluation Services, Incorporated. The report, in its entirety, is attached and made part of this general approval.

The approval is subject to the following conditions:

1. Calculations showing that the applied loads are less than the maximum allowable loads shall be submitted to Structural Plan Check for review and approval. The calculations shall be prepared by a Civil or Structural Engineer registered by the State of California.
2. No adjustment for duration of load is permitted.
3. For intermediate steel deck panel thicknesses or panel steel strengths, diaphragm strength and stiffness values shall be based on straight line interpolation in accordance with

RR 26000
Page 1 of 3

Hilti, Inc.

RE: Steel Deck Diaphragms attached with Hilti S-MD 12-24 x 1 5/8 M HWH5 Frame Fasteners

section 5.4 of the attached ICC-ES ESR-3693 report.

4. The design of the steel deck panels for vertical loads is outside the scope of this report.
5. The following information shall be on the plans to be reviewed by Structural Plan Check:
 - a. Cross-section details of the deck units.
 - b. Fastener details, at support, diaphragm boundaries, deck unit sidelap connection, and shear transfer elements.
 - c. Length of deck units and span condition.
 - d. Design shear load capacity.
6. Diaphragm shear capacities in the tables shall not be increased for seismic or wind forces.
7. Where the diaphragm is used to provide out of plane wall anchorage, the end and side seam connections shall be structurally analyzed to determine whether they are adequate for this purpose.
8. The fasteners shall be installed per the manufacturer's instructions, a copy of which shall be available at each job site.

DISCUSSION

The clerical modification is to change the address, name and contact phone number of the petitioning organization.

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

The approval is based on tests and analyses in accordance with the ICC-ES Acceptance Criteria for Steel Deck Roof and Floor Systems (AC43), dated October 2010 (editorially revised September 2013).

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

RR 26000
Page 2 of 3

Hilti, Inc.

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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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Attachments: ICC ES Report No.ESR-3693 (12 Pages).

RR 26000
Page 3 of 3