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RESEARCH REPORT: RR 25833
(CSI # 06 17 33)

BASED UPON ICC- EVALUATION SERVICE
REPORT NO. ESR-2994

REEVALUATION DUE

DATE: September 01, 2020
Issued Date: September 01, 2018
Code: 2017 LABC

GENERAL APPROVAL – Reevaluation - Red-I™ Prefabricated Wood I-Joists

DETAILS

Red-I™ Prefabricated Wood I-Joists is approved when in compliance with the use, description, design, installation, conditions of approval, and identification of Evaluation Report No. ESR-2994, reissued August 2017, revised September 2017, subject to renewal August 2018 of the ICC-ES Evaluation Services, LLC. The report, in its entirety, is attached and made part of this general approval.

The parts of Evaluation Report No ESR-2994 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. Fabrication of Red-I™ joists shall be in a shop of a fabricator licensed by the City of Los Angeles Building Department, in accordance with the Manufacturing Standards submitted to the Department.
2. Deflection shall be limited per Code for wood members.

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RE: Red-ITTM Prefabricated Wood I-Joists

3. Red-ITTM joists flanges shall not be subjected to dynamic outward forces. Bottom flanges shall not support load exceeding 250 pounds on each side of flange at 5 feet on center or 100 pounds per lineal foot.
4. Holes may be cut in the OSB Web as specified in Section 4.6 of Evaluation Report No. ESR-2994. All holes except small ones (up to 2" diameter) shall be indicated on permit.
5. No cutting or notching of the Red-ITTM joists flanges is permitted.
6. All products recognized in this Research Report shall be limited to end use locations at which the average equilibrium moisture content is equal to or less than 16 percent.
7. Design values are subject to adjustment for duration of load as provided in the Code.
8. Designs requiring load determination calculations shall be done by a civil or structural engineer registered in the State of California.
9. Design of the seismic tie connection to Red-ITTM joists webs may be referred to the attached detail of Seismic Tie to Red-ITTM joists Webs.

DISCUSSION

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

The approval is based on tests and analysis

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.

RedBuilt, LLC

RE: Red-I™ Prefabricated Wood I-Joists

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 - 2994 (15 Pages)
Detail of Seismic Tie to TJI Joist Webs (1 Page)