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RESEARCH REPORT: RR 25538
(CSI # 06170)

BASED UPON ICC ES EVALUATION
REPORT NO. ESR - 1153

REEVALUATION DUE DATE:

March 1, 2019

Issued Date: March 1, 2017

Code: 2017LABC

GENERAL APPROVAL –Reevaluation and Clerical Modification - TJI ® Prefabricated Wood I-Joists

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 –1153 reissued May 2015, revised March 2016 of the ICC Evaluation Service, LLC. The report, in its entirety, is attached and made a part of this general approval.

The parts of Evaluation Report No. ESR-1153 marked by asterisks have been removed from this approval by the City of Los Angeles Building and Safety Department.

The approval is subject to the following conditions:

1. Fabrication of TJI 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.
3. TJI joist 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.

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RE: TJI ® Prefabricated Wood I-Joists.

4. Holes may be cut in the OSB Web as specified in Figure 2, Figure 3 and Figure 3A of Evaluation Report No. ESR-1153. All holes except small ones (up to 2" diameter) shall be indicated on permit.
5. No cutting or notching of the TJI joist 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 TJI joist webs may be referred to the attached detail of Seismic Tie to TJI Joist Webs.
10. Allowable nail spacing for TJI joist diaphragm applications must be as specified in Section 4.14, 4.15, and Table 2 of the attached ESR-1153.

DISCUSSION

The clerical modification is to update contact address and to update code to 2017 City of Los Angeles Building Code.

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

The approval is based on tests and analysis in accordance with ICC ES Acceptance Criteria for (AC14).

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.

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RE: TJI ® 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 - 1153 (24 Pages)
Detail of Seismic Tie to TJI Joist Webs (1 Page)