CITY OF LOS ANGELES
CALIFORNIA

DEPARTMENT OF
BUILDING AND SAFETY
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RESEARCH REPORT: RR 24870
(CSI # 06 17 53)

BASED UPON ICC-ES EVALUATION
REPORT NO. ESR-1082

REEVALUATION DUE
DATE: August 1, 2017
Issued Date: November 1, 2015
Code: 2014 LABC

GENERAL APPROVAL - Reevaluation - Eagle 20, Eagle 18 and Eagle 16 Connector Plates.

DETAILS

The above assemblies and products are approved when in compliance with the use, description, design, installation, conditions of approval, and identification of Evaluation Report No. ESR-1082, reissued February 1, 2015, of the ICC Evaluation Service, Incorporated. The report, in its entirety, is attached and made part of this general approval.

The parts of Evaluation Report No. ESR-1082 marked by an asterisk are modified or deleted by the Los Angeles City Building Department from this approval.

The approval is subject to the following conditions:

1. Trusses utilizing the connector plates shall be fabricated in the shop of a licensed fabricator.

2. All metal truss connector plates shall be identified by the plate manufacturer's name.

3. The clear span of trusses shall not exceed 50'. For spans between 37½ and 50', connector values shall be ⅔ of those allowed in the Table of allowable loads in this approval.
4. Connector size and location with respect to the edges and ends of the wood members connected as each joint shall be completely detailed on the plans for each job.

5. Trusses and connectors shall be designed in accordance with recognized engineering principles by a civil or structural engineer or architect licensed by the State of California.

6. The allowable loads for directions of load at angles between 0 and 90 degrees with respect to the length of the plate may be established by straight line interpolation between 0 and 90 degrees in the attached Table No. 1 for each specified lumber species.

7. Heel Joints - the effects of eccentric loading must be considered in the heel joint design and the allowable loads shall be established based upon results of actual joint tests. However, if the trusses do not exceed a span of 35' and are spaced not more than 24 inches on center, the heel joint connector plates may be designed using the following reduced allowable connector loads.

ROOF SLOPES	PERCENTAGE OF ALLOWABLE CONNECTOR LOAD PERMITTED
Less than 3 in 12	85 percent
3 in 12 to less than 4 in 12	80 percent
4 in 12 to less than 5 in 12	75 percent
5 in 12 to include 5½ in 12	70 percent
Greater than 5½ in 12	65 percent

8. Connector teeth within ½" of the ends shall be considered ineffective to carry any load.

DISCUSSION

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

This approval was based on load test and analysis.

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 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.

Eagle Metal Products.
RE: Eagle 20, Eagle 18 and Eagle 16 Connector Plates.

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 Evaluation Report No. ESR-1082 (6 Pages).