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RESEARCH REPORT: RR 25745  
(CSI # 06 25 23)

BASED UPON ICC ES EVALUATION  
REPORT NO. ESR-3455

REEVALUATION DUE  
DATE: January 1, 2021  
Issued Date: January 1, 2019  
Code: 2017 LABC

**GENERAL APPROVAL** – Reevaluation - MiTek® USP® Angles, Straps, Hangers and Ties For Wood Framed Construction – A3, AC, CMST, CMSTC/MSTC, FWAN, HH, HTW/MTW/LTW, JA, KSA/KHSA, KHST, KRPS, KST/KSTI/LSTI, KVB/KVBI, LFTA6, LSTA/MSTA, ML, MP, MP\_F, RS, RSPT, SPT, SPT/SPTH/SPTHW, SRC/SRCP, and ST.

## DETAILS

The above assemblies and/or products are approved when in compliance with the use, description, design, installation, conditions of use, and identification of Evaluation Report No. ESR-3455, reissued October 1, 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 Report No.ESR-3455 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. The required spacing and size of the framing connectors shall be determined by a licensed civil or structural engineer or architect registered in the State of California. The spacing, size and location of the anchors shall be detailed on the approved set of plans.

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MiTek USA, Inc.

RE: MiTek® USP® Angles, Straps, Hangers and Ties For Wood Framed Construction

2. Allowable loads in tables are for the wood fastening devices and its fasteners and do not include supporting members. The supporting members shall be checked separately for structural adequacy.
3. Steel materials shall conform to the specification as shown on the referenced Evaluation Report. Test data verifying the properties of the steel, by the mill or by an approved testing agency, shall be obtained for each shipment. The data shall be kept on file and submitted to the Department upon request.
4. Nails shall be common nails except where otherwise specified. Bolts shall conform to ASTM A307 or better.
5. Solid blocking shall be required for all joist hangers supporting roof joists having one end twisted more than one-half degree per foot of length relative to the other end.
6. Approved products to be used shall be indicated on the approved set of plans.
7. Approved products shall be identified with the name “United Steel Products Company” or the “Mitek” trademark along with the model number stamped on them.

## **DISCUSSION**

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

The approval is based on tests in accordance with ICC ES Acceptance Criteria for Joist Hangers and Similar Devices (AC 13), dated March 2018.

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.

MiTek USA, Inc.

RE: MiTek® USP® Angles, Straps, Hangers and Ties For Wood Framed Construction

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-3455 (34 Pages)