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RESEARCH REPORT: RR 25404
(CSI # 06 05 23)

BASED UPON IAPMO UNIFORM
EVALUATION SERVICE
REPORT NO. ER-429

REEVALUATION DUE
DATE: May 1, 2019
Issued Date: July 1, 2017
Code: 2017 LABC

GENERAL APPROVAL – Reevaluation - The Earthbound SlackJack Shrinkage Compensating Device Used in Conjunction with Hold-Down and Tension Tie Connectors or Continuous Tie-Down System for Wood Frame Construction.

DETAILS

The above assemblies and/or products are approved when in compliance with the use, description, design, installation, limitations and identification of Evaluation Report No. ER-429, issued November 30, 2015, revised November 22, 2016, of the IAPMO Uniform Evaluation Services. The report, in its entirety, is attached and made part of this general approval.

The parts of Report No.ER-429 which are excluded on the attached copy have been removed by the Los Angeles City Building Department as not being included in this approval.

The approval is subject to the following conditions:

1. Each SlackJack ® shrinkage compensating device bears a label with the evaluation report holder name (Earthbound) and web address, the product name (SlackJack ®), and the evaluation report number (ER-429). The devices are color-coded, as indicated in Table 1, to identify the specific model and series number. Each SlackJack ® shrinkage compensating device is individually packaged, along with the color-coded swivel washer and the hex nut. Note: While present inventory is being depleted, products may alternatively bear markings of ICC-ES ESR-2848.

RR 25404
Page 1 of 3

Earthbound Corporation

Re: The Earthbound SlackJack Shrinkage Compensating Device Used in Conjunction with Hold-Down and Tension Tie Connectors or Continuous Tie-Down System for Wood Frame Construction.

2. Installation of the hold-down system shall be in accordance with the manufacturer's instructions.
3. The Earthbound System can be used to resist the tension force induced by wind or seismic loads.
4. The allowable load values shall not be further increased for short duration loading, such as wind and seismic.
5. Complete design calculations shall be submitted to the Structural Plan Check for each tie-down system installation. Plans and calculations shall bear the stamp and signature of a California registered civil or structural engineer. Calculations must consider:
 - a. The rod value of 0.2" elongation between connectors/restraints.
 - b. Bearing plate value per Code, consider wood bearing capacity of the net area and plate bending.
 - c. Wood post shall be designed for combined stresses at the critical net section and for compression parallel and perpendicular to grain.
 - d. The Code allowable value of anchor bolt and tension rod.

DISCUSSION

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

The approval is based on test and analyses.

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.

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, with appropriate fee, for review in order to continue the approval of the revised report.

Earthbound Corporation

Re: The Earthbound SlackJack Shrinkage Compensating Device Used in Conjunction with Hold-Down and Tension Tie Connectors or Continuous Tie-Down System for Wood Frame Construction.

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 item approved herein in design or construction which must be approved by Department of Building and Safety Engineers and Inspectors.

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Attachment: IAPMO UES Evaluation Report No. ER-429 (7 Pages)