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RESEARCH REPORT: RR 25909  
(CSI #31 63 00)

BASED UPON ICC-ES EVALUATION  
REPORT NO. ESR-1854

REEVALUATION DUE  
DATE: August 1, 2016  
Issued Date: June 1, 2014  
Code: 2014 LABC

**GENERAL APPROVAL** – Reevaluation - Ram Jack<sup>®</sup> Helical Pile and Hydraulically Driven Steel Piling Foundation Systems.

## 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-1854, reissued December 1, 2012, revised February 2014, 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-1854 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. The Ram Jack<sup>®</sup> Foundation Systems shall not be used for new projects. The application is limited to remedial measures for existing foundations. No lateral load capacity is attributed to Ram Jack<sup>®</sup> Foundation Systems.
2. The approval is for the material of Ram Jack<sup>®</sup> Foundation Systems only.
3. Installation of Ram Jack<sup>®</sup> Foundation Systems shall comply with manufacturer's installation procedures and be conducted under continuous inspection by a Los Angeles City registered deputy inspector.
4. For each project using Ram Jack<sup>®</sup> Foundation Systems, a soils investigation report shall be submitted to the Grading Section for approval.

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RE: Ram Jack<sup>®</sup> Helical Pile and Hydraulically Driven Steel Piling Foundation Systems

5. Plans with complete structural calculations shall be submitted to Structural Plan Check Section and Grading Section for their approval and issuance of permits. The structural calculations of the system shall be performed by an engineer registered in the State of California and shall be in accordance with the 2011 Los Angeles City Building Code.
6. Ram Jack<sup>®</sup> Foundation Systems shall be fabricated by an Approved Fabricator, licensed by the Los Angeles City Department of Building and Safety.

## **DISCUSSION**

The report is in compliance with Section 1810.3.1.5 of the 2014 City of Los Angeles Building Code for remedial repair of existing buildings.

The approval was based on tests in accordance with ICC ES Acceptance Criteria for Helical Pile Systems and Devices (AC358), dated June 2013.

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.

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 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-1854 (14 Pages)