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RESEARCH REPORT: RR 25984
(CSI # 31 63 00)

BASED UPON ICC-ES EVALUATION
REPORT NO. ESR-2794

REEVALUATION DUE
DATE: March 1, 2018
Issued Date: April 1, 2016
Code: 2014 LABC

GENERAL APPROVAL – Reevaluation - Chance® Type SS5 and SS175 Helical 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-2794, reissued May 1, 2015, revised October 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-2794 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. Chance® Type SS5 and SS175 Helical Foundation Systems shall not be used for foundation systems of new structures. The application is limited to remedial repair of existing foundation systems.
2. Chance® Type SS5 and SS175 Helical Foundation Systems are not approved to support lateral or tension loads due to seismic or wind effects.
3. Use of Type A brackets for supporting lateral loads is outside the scope of the report.
4. The approval is for the material of Chance® Type SS5 and SS175 Helical Foundation Systems only.

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5. Installation of the helical foundation systems are limited to regions of concrete members where analysis indicates no cracking will occur at service loads levels.
6. When used for Remedial Repair, lateral stability in accordance with Section 1810.2. 2 of the 2014-LABC is not required.
7. Shaft couplings must be located within firm or soft soils embedded minimum 5 or 10 ft., respectively. Firm and soft soils are defined in Section 4.1.3 of the attached ICC-ES ESR-2794 evaluation report.
8. Installation of Chance® Type SS5 and SS175 Helical Foundation Systems shall comply with manufacturer's installation procedures.
9. Special inspections shall be performed continuously during installation of the helical pile foundation systems in accordance with Section 1705.9 of the 2014 LABC by a Los Angeles City registered deputy inspectors
10. For each project using Chance® Type SS5 and SS175 Helical Foundation Systems, a soils investigation report shall be submitted to the Grading Section for their approval.
11. Plans with complete structural calculations shall be submitted to Structural Plan Check 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 2014 Los Angeles City Building Code.
12. Chance® Type SS5 and SS175 Helical 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 (editorially revised September 2014).

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.

Hubbell Power Systems, Inc.

RE: Chance® Type SS5 and SS175 Helical Foundation Systems

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-2794 (26 Pages)