

# CITY OF LOS ANGELES

CALIFORNIA



BOARD OF  
**BUILDING AND SAFETY**  
COMMISSIONERS

VAN AMBATIELOS  
PRESIDENT

E. FELICIA BRANNON  
VICE PRESIDENT

JOSELYN GEAGA-ROSENTHAL  
GEORGE HOVAGUIMIAN  
JAVIER NUNEZ

ERIC GARCETTI  
MAYOR

DEPARTMENT OF  
**BUILDING AND SAFETY**  
201 NORTH FIGUEROA STREET  
LOS ANGELES, CA 90012

FRANK M. BUSH  
GENERAL MANAGER  
SUPERINTENDENT OF BUILDING

OSAMA YOUNAN, P.E.  
EXECUTIVE OFFICER

Geopier Foundation Company  
130 Harbour Place Drive, Suite 280  
Davidson, NC 28036

Attn: Brian Metcalfe  
Director of Engineering  
(704) 439-1790

RESEARCH REPORT: RR 26139  
(CSI # 31 66 00)

BASED UPON ICC EVALUATION SERVICE  
REPORT No. ESR-1685

REEVALUATION DUE  
DATE: June 1, 2019  
Issued Date: June 1, 2018  
Code: 2017 LABC

**GENERAL APPROVAL** -- General Approval - Geopier Rammed Aggregate Pier

## 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-1685 reissued January 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 the ES Report, ESR-1685, which are excluded on the attached copy have been removed by the Los Angeles Building Department as not being included in this approval.

RR 26139  
Page 1 of 3

**The approval is subject to the following conditions:**

1. The installation of the system must comply with this general approval, the 2017 Los Angeles Building Code, the Geopier Foundation and Soil Reinforcement Manual dated September 1998, and the RAP QC and construction specifications dated December 2006 and October 2008.
2. The engineering design of the Rammed Aggregate Pier Intermediate Foundation/Soil Reinforcement System shall be submitted to the structural plan check section and grading division at the time of permit application. The engineering design shall be prepared and sealed by a licensed engineer registered in the State of California.
3. The system must be installed by a Geopier Foundation Company licensed installer. The evidence of such approval must be provided in a letter from Geopier Foundation Company specific to each project and must be submitted to the structural plan check section at the time of permit application.
4. Copies of the Geopier Foundation and Soil Reinforcement Manual, dated September 1998, RAP QC and construction specifications, dated December 2006 and October 2008, and the RAP specification, dated April 1, 2011, must be provided to the structural plan check section upon request.
5. Special inspection shall be provided in accordance with Section 1705 of the 2017 Los Angeles Building Code.
6. The use of rammed aggregate pier system to increase bearing capacity and reduce settlement on uncertified fill is beyond the scope of this approval.
7. The rammed aggregate pier shall be located a minimum distance of 8 feet from adjacent property line to the perimeter of the pier.

Geopier Foundation Company  
Re: Geopier Rammed Aggregate Pier

## DISCUSSION

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

The approval is based descriptive information and the Geopier Foundation and Soil Reinforcement Manual, dated September 1998, and construction specifications, dated December 2006 and October 2008.

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

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.

---

QUAN NGHIEM, Chief  
Engineering Research Section  
201 N. Figueroa St., Room 880  
Los Angeles, CA 90012  
Phone: (213) 202-9812  
Fax: (213) 202-9943

EB  
LARR 26139  
TLB1700387  
R01/26/18  
Chapter 18

Attachment: ICC-E.S. Evaluation Report No. ESR-1685 (3 Pages)