



# CSG International

Omaha, NE

**The Geopier GP3® system was selected in lieu of deep foundations to provide a bearing capacity up to 6,500 psf**

**Description:** Construction of 2, 3-story office buildings with a connector.

**Subsurface Conditions:** The subsurface conditions encountered in the exploration consist of approximately 5 feet of fill within the East building (2) and up to 22 feet of fill in the West building (1) overlying medium stiff to very stiff clay to the maximum explored depth.

**Geopier Solution:** The Geopier GP3® system was selected in favor of a foundation support with a 4' surcharge and a construction delay of more than 4 weeks. 592 RAPs were installed, and Geopier elements provided an increased allowable bearing capacity of 6000 psf. Uplift restraints were placed at column locations to provide up to 50 kips of uplift capacity.



### PROJECT TEAM

**Owner:**  
CGS International

**Geotechnical Engineer:**  
Terraconl

**Structural Engineer:**  
Opus AE Group

**General Contractor:**  
Opus Design Build

**Geopier Installer:**  
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**Geopier Designer:**  
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