



ADVANCED
ENGINEERING
SYSTEMS

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To Whom It May Concer:

K2 Construction is currently working for us in downtown Lincoln on one of the most complex geothermal projects designed that involves 77 boreholes, each 620' deep for 2 buildings, the Phi Kappa Theta (PKT) fraternity and the St. Thomas Aquinas Catholic Church and Student Center; over two-thirds of these are located under the basement of a building. The owner was very interested in incorporating this very sustainable and environmentally friendly technology even though the site was extremely limited. K2 has done an excellent job in customizing construction means and methods (including buying suitable equipment) to install a system that has almost never been undertaken previously. Currently, the PKT project is complete and operational; the St. Thomas project has all the borehole drilled and in place.

They had to coordinate with the engineers, general contractors and other trades very closely to keep construction moving in timely fashion. The constraints of the tight site, coordination with many trades, noise and environmental issues in a downtown location, getting loops into relatively very deep holes, keeping loops vertical and not running into each other in the very tight spacing of 20' on centers (at the 620' depth) – all made for a very complex and challenging project. K2 handled the installation diligently, and we have no reservations in highly recommending their work; especially in complicated and unique installations.

Sincerely,

ADVANCED ENGINEERING SYSTEMS, INC. (AES)

A handwritten signature in blue ink that reads 'Vkhanna' with a long horizontal flourish extending to the right.

Vishal G. Khanna, M.S., P.E. | LEED® AP
Principal
