

June 1, 2022

Project No. 22-1219

Cody Johnston, PE
Stonewall Structural Engineering, PLLC
4800 Falls of Neuse Rd. #120
Raleigh, NC 27609
(919)407-8663



David Moriarty
Tarheel Basement Systems
3333 Air Park Rd.
Fuquay-Varina, NC 27526

Re: Foundation Repair—293 Mallard Road, Sanford, NC 27332

Mr. Moriarty,

At your request, we reviewed helical pier deep foundation installation field data records for the chimney stabilization work performed at the Sanford residence noted above.

Records indicate helical pier installations to torques capable of developing at least 25kips of axial load per pier. Our load calculations show this to be adequate to support vertical loads exerted by the structure at each of the helical pier locations.

The above-listed determinations were made in accordance with the 2018 edition of the *North Carolina Residential Building Code*. Please feel free to contact us, should you have any questions or concerns regarding this matter.

Sincerely,
Cody Johnston, PE
Stonewall Structural Engineering, PLLC
Lic. #P-0951

