



DEPARTMENT OF ADMINISTRATIVE SERVICES

August 2, 2024

I-24-03

Michael Beaudoin
Techno Metal Post

Request for Formal Interpretation of the 2022 Connecticut State Building Code

Dear Mr. Beaudoin,

You have requested a formal interpretation related to sections and R507 the 2021 International Residential Code portion of the 2022 Connecticut State Building Code with the following questions related Techno Metal Posts and deep foundations:

Question #1:

When helical piers, such as Techno Metal Posts, are installed for single- and two-family dwellings for exterior decks is an engineer stamp required?

Answer #1:

Deck footings are not required to meet deep foundations in Section 404 and are prescribed under Section R507.3 where it states:

R507.3 Footings: Decks shall be supported on concrete footings or other *approved* structural systems designed to accommodate all loads in accordance with Section R301. Deck footings shall be sized to carry the imposed loads from the deck structure to the ground as shown in Figure R507.3.

These helical piers are treated as alternative materials, design and methods of construction and equipment and would be acceptable as such with substantiating documentation for instance manufacturer's cut sheets and data for the load capacities for each helical pier for the support of the exterior deck that meet the load requirements of Section R301. Therefore, an engineer's stamp is not required if acceptable reports and data is provided to satisfy the alternative compliance requirements of the code.

Sincerely,

Omarys Vasquez, AIA NOMA
State Building Inspector

Cc: Raymond Steward Jr., Enfield Building Official
Joseph D. Smith, Windham Building Official