



1 Fairholm Avenue
Peoria, IL 61603 USA
Phone: (309)-566-3000
Fax: (309)-566-3079

December 19, 2024

Hemphill, LLC
1305 N. Louisville Ave.
Tulsa, OK 74115

Attn: Matt Kline

Reference: 155ft Tapered Steel Pole
Site Name: 1780 Amanda Ferguson
Collin County, Texas
Quote Number: Q24-10863-2

To Whom It May Concern,

The referenced Pole will be designed to meet the specified loading requirements in accordance with ANSI/TIA-222-H for a 106 mph 7-16 Ultimate Wind Speed with no ice and a 30 mph 3-second gust wind speed with 1.5 inches radial ice, Risk Category II, Exposure Category C, and Topographic Category 1.

It is our understanding that the design of the referenced Pole requires consideration of a contained fall radius in the event that a catastrophic wind speed would result in collapse. Although the Pole will not be designed to fail, stronger sections where required by analysis will be provided in the lower sections of the Pole. This will result in an increased safety factor in the lower sections of the Pole. This design will enable the Pole to fail through a combination of bending and buckling in the upper portion of the Pole under a catastrophic wind loading. Failure in this manner would result in the upper portion of the Pole folding over the lower portion, resulting in a fall radius no greater than 0 feet.

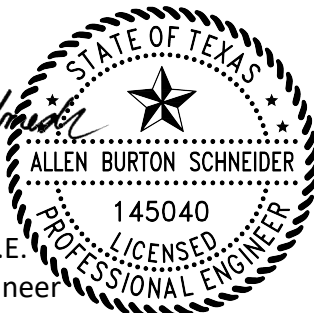
Please contact us at your convenience should you have further questions concerning the safety of Pole structures or other aspects of Pole design.

Sincerely,

A handwritten signature in black ink that reads "Allen Schneider".

12/19/2024

Allen Schneider, P.E.
Senior Design Engineer



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