



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

July 15, 2024

Horvath Communications
Jeff DeLauder
2307 Edison Road
South Bend, IN 46615

Reference: 115ft Tapered Steel Pole
Site: Huntwick Reagan
Hendricks County, Indiana
Quote Number: Q24-10739

Dear Jeff,

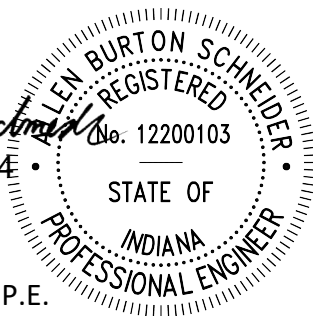
The referenced Pole will be designed to meet the specified loading requirements in accordance with ANSI/TIA-222-H for a 106 mph 7-16 Ultimate Wind Speed with no ice and a 40 mph 3-second gust wind speed with 1.5 inches radial ice, Risk Category II, Exposure Category C, and Topographic Category 1.

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,

Allen Schneider
07/15/2024



Allen Schneider, P.E.
Senior Design Engineer

Products for a Growing World of Technology®