

August 9<sup>th</sup>, 2013



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Re: Fall zone requirements for 200' 36SR Guyed Tower – Gunnison, CO

Tower design is based on EIA/TIA-222G standards for a 90 MPH wind with no ice.

Guyed towers are extremely slender structural members subjected to both lateral and vertical loads. The lateral loads are produced by the wind. Tower weight and the vertical component of the guy wires produce the vertical loads. These combine to produce, in the event of collapse, the primary failure mode of buckling. That is, the tower mast tends to collapse upon itself rather than lay straight out. Variables which have an impact on the orientation of the collapsed debris include, but are not limited to, member sizes, guy wire sizes, face dimensions, bracing scheme, guy anchor distances, the type of loading, and the direction of the winds relative to the mast.

Historical data indicates that this type of tower generally collapses with debris landing less than 48% of the tower height from the base of the structure. This value would produce a fall radius of 96' for a 200' tower.

Please see attached report for additional information.

Thank you for this opportunity to work with you and if you should have any questions, do not hesitate to call at the above number.

Sincerely,

Brent Walker  
Vice President  
World Tower Company, Inc.