

ARMOR TOWER

August 4 2006

XXXX
Real Estate Manager
Your Company Name
Address line 1
Address line 2

Re: Proposed 20' extension to XXXX TOWER

Dear XXXX,

Regarding our structural analysis (results attached) of XXXX communications tower located at 3290 Lake Road in TOWN, NY, the analysis found the tower to be structurally sound to support the proposed 20' extension in accordance with the following standards:

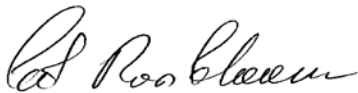
- TIA/EIA-222-F Structural Standard for Antenna Supporting Structures.
- IBC 2000 requirements adopted by the State of New York.

When towers are designed according to the above standards, the wind pressures and steel strength capacities include several safety factors. It is highly unlikely therefore, that the tower will fail structurally in an event where the design wind speed is exceeded within the range of the applicable safety factors.

In an event of extreme wind speed increase beyond the capacity of built-in safety factors to the point of failure of one or more tower members, the most likely location of the failure would be within one or more of the tower legs. This would result in a local buckling failure mode, where the steel legs would bend beyond their elastic limit. Given this tower extension and proposed loading scenario as shown on drawings E-1 and E-7 (feed lines), the highest combined stress ratio is in the upper portion of the tower between 120'-140' (legs), (refer to section capacity table enclosed). Assuming that the wind pressure profile is similar to that used in the design, the tower is most likely to buckle at that location, 'folding over' onto the portion of the tower below the failure location. The failure will then occur within the tower itself limiting the failure of the tower over the property line.

If you have any questions concerning this, please contact us.

Sincerely,
ARMOR TOWER, INC



Ed Rosenbloom
Structural Engineer

