



Structural Analysis for
16" Line Array Tower
For Applied Electronics
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16" LINE ARRAY TOWER – ENGINEERING GUIDELINES

1. MAXIMUM ALLOWABLE HANGING LOAD FOR TOWER USING STANDARD 16" TRUSS SHALL NOT EXCEED 2,200 POUNDS IN ALL CASES, INDOORS OR OUTDOORS.
2. IF THE ARRAY TOWER IS USED OUTDOORS THEN SPEAKER ARRAY AND TOWER ARE REQUIRED TO BE LOWERED WHEN WIND SPEEDS ARE EXPECTED TO EXCEED 45 MPH.
3. THE ARRAY TOWER IS REQUIRED TO BE BALLASTED IN ONE OF TWO WAYS:
 - a. 300 POUNDS AT THE END OF EACH OUTRIGGER LEG – BALLAST WILL BE PLACED ON TOP OF THE END OF THE LEG TRUSS AND SECURED TO THE STRUCTURE.
 - b. 500 POUNDS AT BASE OF TOWER