

ROHN NO. 55G BRACKETED TOWERS – NO ICE

| TOWER HEIGHT FT | BRACKET ELEVATION | | ALLOWABLE ANTENNA AREAS (SQ. FT.) | | |
|-----------------|-------------------|----------|-----------------------------------|--------|--------|
| | UPPER FT | LOWER FT | 70 MPH | 80 MPH | 90 MPH |
| 40 | 30.0 | 15.0 | 72.4 | 54.5 | 41.8 |
| 50 | 36.0 | 18.0 | 68.7 | 51.7 | 39.4 |
| 60 | 46.0 | 23.0 | 65.8 | 49.5 | 37.6 |
| 70 | 56.0 | 28.0 | 63.5 | 47.5 | 36.0 |
| 80 | 66.0 | 33.0 | 61.4 | 46.0 | 34.6 |
| 90 | 66.0 | 33.0 | 30.6 | 22.0 | 16.0 |
| 100 | 66.0 | 33.0 | 16.0 | 10.5 | 6.4 |

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1. TOWER DESIGNS ARE IN ACCORDANCE WITH APPROVED NATIONAL STANDARD ANSI/EIA-222-E.
2. ALL TOWERS MUST HAVE "FIXED BASES". PINNED BASES MUST NOT BE USED.
3. DESIGNS ASSUME TWO 7/8" TRANSMISSION LINES ON EACH FACE, (TOTAL = 6), SYMMETRICALLY PLACED.
4. ANTENNAS AND MOUNTS ASSUMED SYMMETRICALLY PLACED AT TOWER APEX.
5. ALLOWABLE ANTENNA AREAS ASSUME ALL ROUND ANTENNA MEMBERS.
6. ALLOWABLE FLAT-PLATE ANTENNA AREAS, BASED ON EIA RS-222-C, MAY BE OBTAINED BY MULTIPLYING AREAS SHOWN BY 0.6
7. DO NOT INSTALL OR DISMANTLE TOWERS WITHIN FALLING DISTANCE OF ELECTRICAL AND/OR TELEPHONE LINES.
8. TOWER ERECTION AND DISMANTLING MUST BE BY QUALIFIED AND EXPERIENCED PERSONNEL.
9. INSTALL WARNING PLATE (P/N ACWS) IN A HIGHLY VISIBLE LOCATION.
10. ALL ANTENNA INSTALLATIONS MUST BE GROUNDED IN ACCORDANCE WITH LOCAL AND NATIONAL CODES.
11. FOR FOUNDATION DETAILS SEE DRAWING A880446.
12. ALL BRACKETS ARE TO BE ROHN P/N HBUTVRO PER DRAWING D850221.
13. THE INTERFACE OF TOWER BRACKETS TO SUPPORTING STRUCTURE IS TO BE DESIGNED "BY OTHERS" AND MUST SUPPORT A MINIMUM HORIZONTAL FORCE OF 3200 POUNDS.

BY: RAM DATE: 3/17/88 CHECKED: *Red* DATE: 3/17/88 DWG. NO. A880497R1

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