



**GENERAL NOTES**

- TOWER DESIGNS ARE IN ACCORDANCE WITH APPROVED NATIONAL STANDARD ANS/EIA-222-E-1981 (NO ICE 150 FT.) FOR ROUND MEMBER ANTENNAS. ALLOWABLE PROJ. AREA (SQ. FT.) FOR FLAT MEMBER ANTENNAS. EQUIVALENT FLAT PLATE ANTENNA AREAS BASED ON EIA-RS-222-C.
- TOWER DESIGNS INCLUDE THREE SIDE ARMS, SYMMETRICALLY PLACED, HAVING A TOTAL EFFECTIVE PROJECTED AREA EQUAL TO 12.0 SQUARE FEET PER TOWER ARM DETAILS (P/N D1150). SEE DWG. C766571 LATEST REVISION.
- DESIGNS ASSUME TWO 7/8" DIA. LINES ON EACH TOWER FACE SET OF 12.0" FROM TOWER CENTERLINE AND AN EFFECTIVE PROJECTED AREA FOR A BEACON (IDEAL ONE 776" LINE FOR BEACON).
- TOWER RADIUS IS FROM TOWER BASE TO INTERSECTION OF ROD WITH GROUND.
- ANCHOR ROD SLOPE
- ANCHOR ROD SLOPE
- ANCHOR ROD SLOPE

NOTE: FOR SPACE REQUIREMENTS SEE DWG. NO. C040651

TOWER PLAN TYPICAL

SEE NOTE 7

120' 0" 0" TYP.

| TOWER HT. | BASE PIER |     |            | INNER ANCHOR DATA |           |            | OUTER ANCHOR DATA |           |            |
|-----------|-----------|-----|------------|-------------------|-----------|------------|-------------------|-----------|------------|
|           | REF. DWG. | NO. | REAC. LBS. | REF. DWG.         | BLOCK NO. | REAC. LBS. | REF. DWG.         | BLOCK NO. | REAC. LBS. |
| 100'      | C81062    | 4B  | 9,820      | C660415           | 4B        | 4,340      | C660415           | 4B        | 4,340      |
| 110'      |           | 4B  | 10,440     |                   | 4B        | 4,570      |                   | 4B        | 4,570      |
| 120'      |           | 4C  | 11,140     |                   | 4C        | 4,690      |                   | 4C        | 4,690      |
| 130'      |           | 4C  | 11,770     |                   | 4C        | 5,180      |                   | 4C        | 5,180      |
| 140'      |           | 4D  | 12,610     |                   | 4D        | 5,920      |                   | 4D        | 5,920      |
| 150'      |           | 4D  | 13,410     |                   | 4D        | 6,200      |                   | 4D        | 6,200      |
| 160'      |           | 4E  | 14,260     |                   | 4E        | 6,500      |                   | 4E        | 6,500      |
| 170'      |           | 4E  | 14,900     |                   | 4E        | 6,950      |                   | 4E        | 6,950      |
| 180'      |           | 4E  | 15,660     |                   | 4E        | 7,360      |                   | 4E        | 7,360      |
| 190'      |           | 4E  | 16,590     |                   | 4E        | 7,830      |                   | 4E        | 7,830      |
| 200'      |           | 4E  | 17,160     |                   | 4E        | 8,170      |                   | 4E        | 8,170      |
| 210'      |           | 4E  | 18,590     |                   | 4E        | 9,280      |                   | 4E        | 9,280      |
| 220'      |           | 6A  | 19,550     |                   | 6A        | 9,990      |                   | 6A        | 9,990      |
| 230'      |           | 6A  | 20,320     |                   | 6A        | 10,350     |                   | 6A        | 10,350     |

RI (REV'D EIA-222-D TO EIA-222-E-1991)

7-24-86 RWB LOKL 75

▲ Date ▲ Rev. By ▲ Ord. By ▲ App'd By

Ro. Revision Description

By Date Title

Drawn: JFW/ML 9-1-87

Checked: RW 9-22-87

App. Eng.: BM 10-1-87

App. Series: JE 2-12-87 ENG. FILE:

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**ROHN**

GUYING DETAILS FOR 100'-230' 65G TOWERS 90 MPH BASIC WIND SPEED (NO ICE)

DRAWING NO.: C870678 R1



**PARTS LIST FOR #65G GUYED TOWERS**  
**90 MPH Basic Wind Speed (No Ice)**

| Tower Height | GA65GD | G.W. 3/16" EHS | G.W. 1/4" EHS | G.W. 5/16" EHS | BG2142 | BG2144 | BG2146 | 5/16" THH | 3/8" THH | 7/16" THH | 1/2TB&J | 5/8TB&J | GA3455 | GA565501 |
|--------------|--------|----------------|---------------|----------------|--------|--------|--------|-----------|----------|-----------|---------|---------|--------|----------|
| 100'         | 2      |                | 300'          | 400'           |        | 6      | 6      |           | 6        | 6         | 3       | 3       | 3      |          |
| 110'         | 2      |                | 325'          | 425'           |        | 6      | 6      |           | 6        | 6         | 3       | 3       | 3      |          |
| 120'         | 2      |                | 375'          | 475'           |        | 6      | 6      |           | 6        | 6         | 3       | 3       | 3      |          |
| 130'         | 2      |                | 400'          | 525'           |        | 6      | 6      |           | 6        | 6         | 3       | 3       | 3      |          |
| 140'         | 3      | 400'           | 450'          | 550'           | 6      | 6      | 6      | 6         | 6        | 6         | 6       | 3       | 3      |          |
| 150'         | 3      | 425'           | 500'          | 600'           | 6      | 6      | 6      | 6         | 6        | 6         | 6       | 3       | 3      |          |
| 160'         | 3      | 450'           | 525'          | 650'           | 6      | 6      | 6      | 6         | 6        | 6         | 6       | 3       | 3      |          |
| 170'         | 3      | 500'           | 550'          | 675'           | 6      | 6      | 6      | 6         | 6        | 6         | 6       | 3       | 3      |          |
| 180'         | 3      | 500'           | 600'          | 725'           | 6      | 6      | 6      | 6         | 6        | 6         | 6       | 3       | 3      |          |
| 190'         | 3      | 525'           |               | 1375'          | 6      |        | 12     | 6         |          | 12        | 3       | 6       | 3      |          |
| 200'         | 3      | 550'           |               | 1425'          | 6      |        | 12     | 6         |          | 12        | 3       | 6       | 3      |          |
| 210'         | 4      | 1200'          |               | 1550'          | 12     |        | 12     | 12        |          | 12        | 6       | 6       | 3      |          |
| 220'         | 4      | 600'           | 650'          | 1625'          | 6      | 6      | 12     | 6         | 6        | 12        |         | 12      |        | 3        |
| 230'         | 4      | 625'           | 700'          | 1700'          | 6      | 6      | 12     | 6         | 6        | 12        |         | 12      |        | 3        |

Items shown above, plus one 65TG, one 15X16PP, one APL4HA, three D1130, and required number of 6520G and 65G sections, are necessary for a complete 'ground' guyed tower. (Note: Cable clamps and extra wire have been provided for turnbuckle safety requirements.)

One or two anchor grounding (AGKE) kits, along with appropriate ground clamps, and two base grounding (BGKE) kits, as recommended by EIA, are included with the tower material.

Installation information and a safety package (part number ACWS) are also included with the tower material. The safety package consists of one anti-climb warning sign and two Danger - Watch for Wires labels along with other printed safety information.

All types of antenna installations should be thoroughly inspected by qualified personnel and re-marked with hazard and warning labels at least twice a year to insure safety and proper performance.