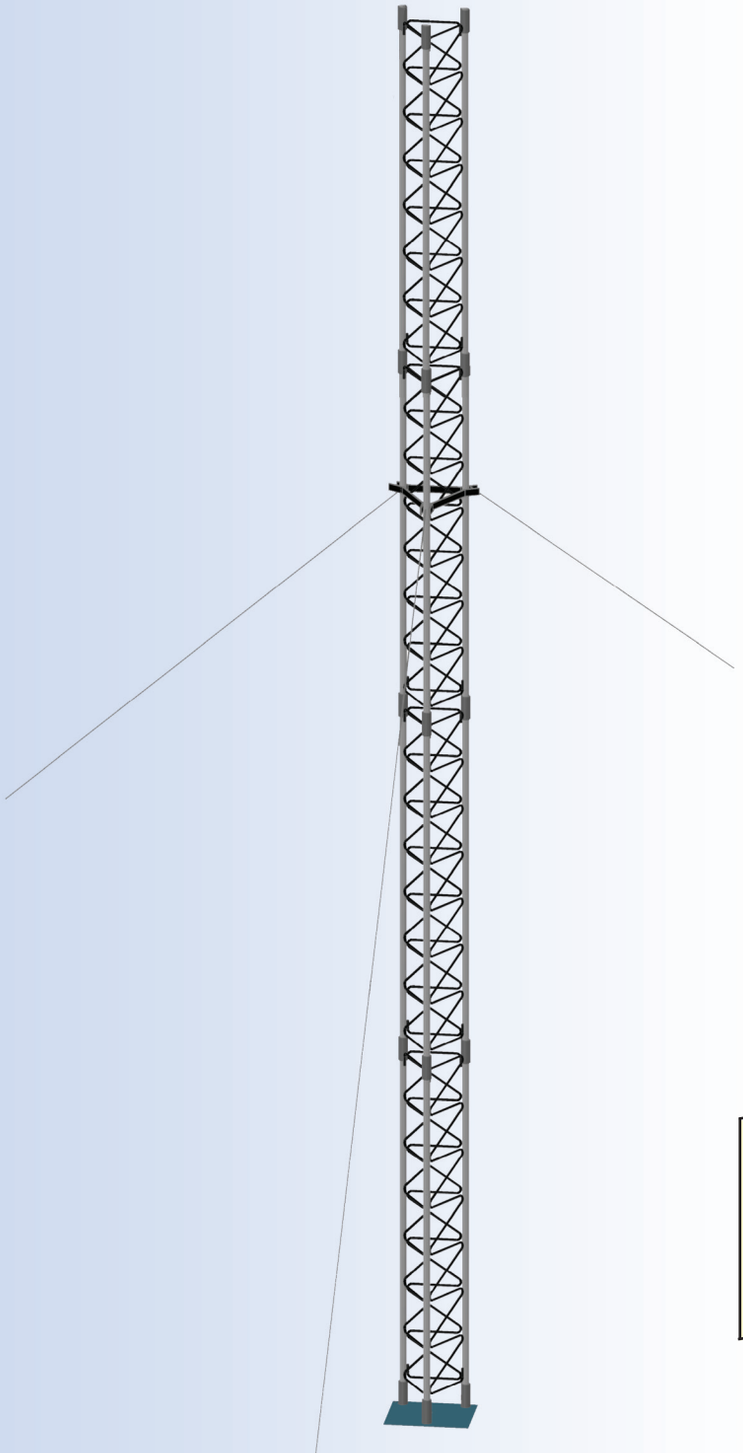
GUYED TOWERS

STANDARD 55G GUYED TOWER

ROHN 55G
The first. The original.

UPDATED includes REV. F & REV. G Standard Designs

55G



GENERAL USE

The 55G lends itself to a wide variety of uses in the communications field, particularly where unusual wind loading and height requirements exist. The 55G was designed to provide excellent strength in heights up to 400'. When properly installed, the standard tower will support loads as shown on various guyed and self-supporting information sheets in the ROHN catalog.

FEATURES

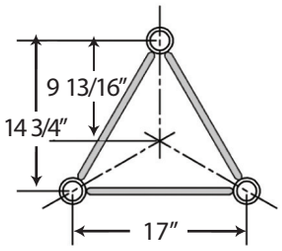
- Completely hot-dip galvanized after fabrication
- Heavy steel tube or solid steel rod side rails
- Built on 17" equilateral triangle design
- Utilizes high strength steel tubing side rails
- Zig-Zag® cross bracing is formed from a continuous 7/16" solid steel rod electrically welded every 16 1/4" on the side rails
- Each 10' section is joined to the other and double bolted at each leg joint for extra strength

CAUTION: the mixing of so-called interchangeable copies of ROHN towers with ROHN towers is dangerous and voids all engineering or warranty data supplied by ROHN. Materials used by the so-called copies are not the same quality and have not been tested or engineered by ROHN to conform to the same quality standards. Mixing of ROHN items may endanger the lives of your customers and cause serious tower failures and financial misfortune for all concerned.

* Per Rev. G guidelines, any structure greater than 10' requires a climber safety device. Please see page 108 for ordering information.

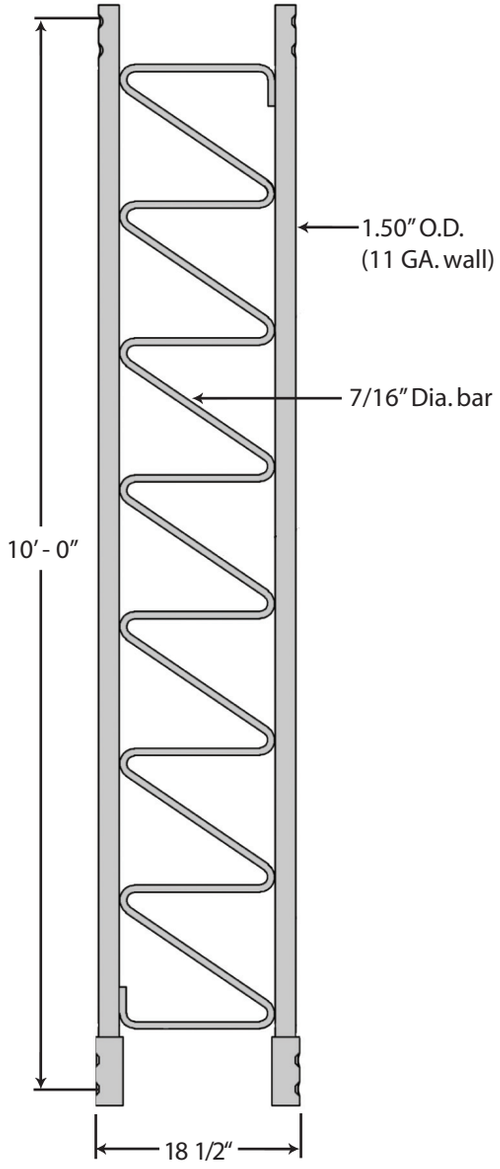
© 2010 ROHN PRODUCTS LLC

STANDARD 55G GUYED TOWER SECTIONS

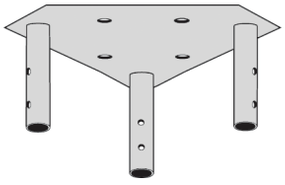


QUICK REFERENCE

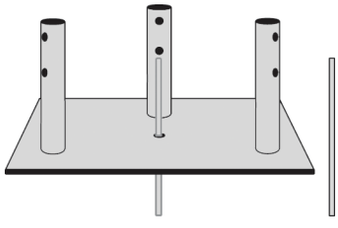
PARTS & ACCESSORIES	PAGES 107-108
GROUNDING INFORMATION	PAGE 109-110
FOUNDATION INFORMATION	PAGES 111-112



STANDARD SECTION
55G - 10' Section



BEACON PLATE
APL55G
FOR MOUNTING BEACON. BEACON PLATE BOLTS TO THE TOP OF A STANDARD SECTION.

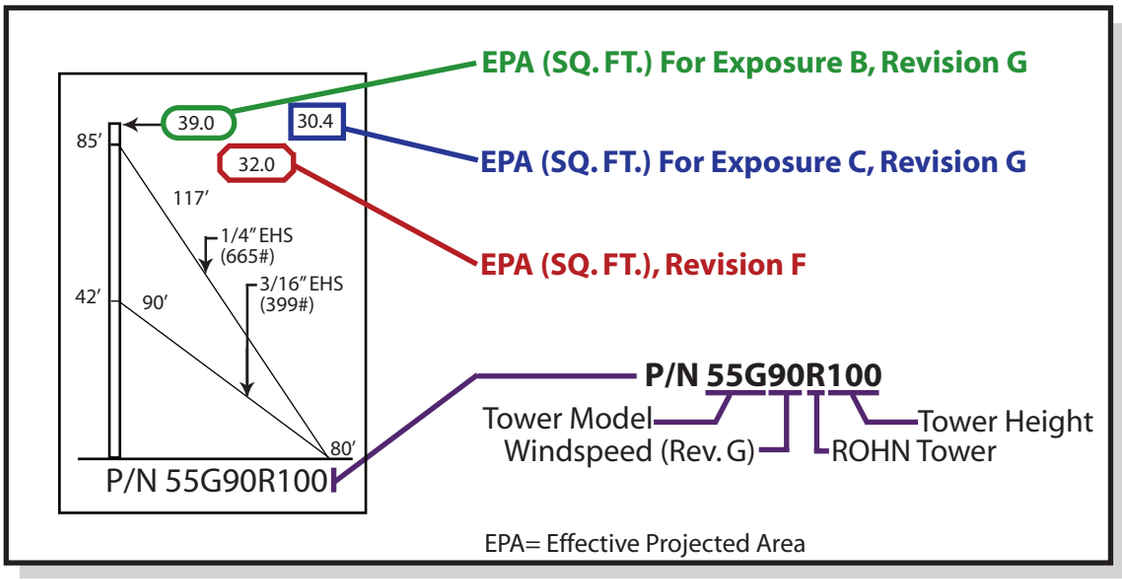


CONCRETE BASE PLATE
BPC55G*
FOR USE WITH PIER PIN EMBEDDED IN CONCRETE.

PIER PIN
3/4x12PP
MUST BE ORDERED SEPARATELY.

© 2010 ROHN PRODUCTS LLC

STANDARD DESIGN - 55G
90MPH REV. G, 70MPH REV. F



Tower and foundation installations should be performed by qualified and experienced personnel using construction drawings. This document is to serve as a guide for sizing and buying the 55G tower.

All types of antenna installations should be thoroughly inspected by qualified personnel and re-marked with appropriate danger and anti-climb labels at least twice a year to ensure safety and proper performance.

DESIGN NOTES:

1. Tower designs are in accordance with ANSI/TIA-222-F-1996 and ANSI/TIA-222-G-2005, Class I Structures.
2. Design assumes towers are installed on level ground. Lower EPA values will apply for roof mounted towers or for sites located on unusual terrain.
3. Designs assume two 7/8″ diameter lines on each tower face.
4. Anchor radius is from tower base to intersection of anchor rod with ground.
5. Tower designs and guy chord lengths shown are based on level ground. Initial tensions for guys in pounds at 60° Fahrenheit are shown in ( ).
6. Antenna and mounts are assumed symmetrically placed at the tower top.

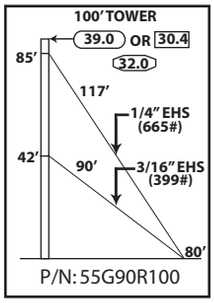
PARTS LIST NOTES:

1. Items listed are required for complete (ground) guyed towers. Base and anchor details will be required for installation on roofs or for sites located on unusual terrains and wind loading criteria, for all roof type installations.
2. Standard guys provided with each standard tower include an additional 6% length.
3. Anchor grounding (AGK1GGX) and base grounding (BGK3GGX) are included with the tower material.
4. Installation information and a safety package (P/N: ACWS) are included with each tower.

FOR FOUNDATION INFORMATION, PLEASE SEE PAGES 111-112.

© 2010 ROHN PRODUCTS LLC

STANDARD DESIGN - 55G
90 MPH REV. G, 70MPH REV. F

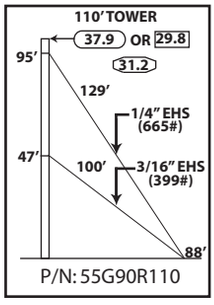


TOWER PARTS INCLUDED	55G	BPC55G	APL55G	GA55GD	FDNS BASE	FDNS ANCHOR
	10	1	1	2	CB1G	AB2

GUY WIRE & CONNECTION INCLUDED	3/16EHS	1/4EHS	BG2142	BG2144	5/16THH	3/8THH	1/2TBE&J
	300'	375'	6	6	6	6	6

ANCHORS & GROUNDING INCLUDED	GAC3455TOP	AGK1GGX	BGK2GGX	CPC.5/.75	TBSAFETY
	3	1	3	3	3

100' ROHN 55G
All parts shown in table are included when ordering
Part No: 55G90R100

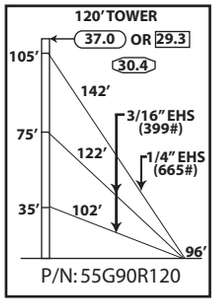


TOWER PARTS INCLUDED	55G	BPC55G	APL55G	GA55GD	FDNS BASE	FDNS ANCHOR
	11	1	1	2	CB1G	AB2

GUY WIRE & CONNECTION INCLUDED	3/16EHS	1/4EHS	BG2142	BG2144	5/16THH	3/8THH	1/2TBE&J
	325'	425'	6	6	6	6	6

ANCHORS & GROUNDING INCLUDED	GAC3455TOP	AGK1GGX	BGK2GGX	CPC.5/.75	TBSAFETY
	3	1	3	3	3

110' ROHN 55G
All parts shown in table are included when ordering
Part No: 55G90R110

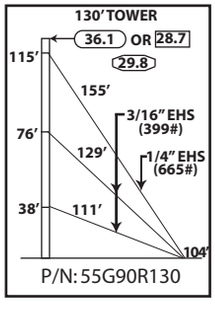


TOWER PARTS INCLUDED	55G	BPC55G	APL55G	GA55GD	FDNS BASE	FDNS ANCHOR
	12	1	1	3	CB1G	AB2

GUY WIRE & CONNECTION INCLUDED	3/16EHS	1/4EHS	BG2142	BG2144	5/16THH	3/8THH	1/2TBE&J
	725'	475'	12	6	12	6	9

ANCHORS & GROUNDING INCLUDED	GAC3455TOP	AGK1GGX	BGK2GGX	CPC.5/.75	TBSAFETY
	3	1	3	3	3

120' ROHN 55G
All parts shown in table are included when ordering
Part No: 55G90R120

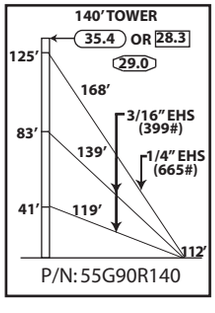


TOWER PARTS INCLUDED	55G	BPC55G	APL55G	GA55GD	FDNS BASE	FDNS ANCHOR
	13	1	1	3	CB1G	AB2

GUY WIRE & CONNECTION INCLUDED	3/16EHS	1/4EHS	BG2142	BG2144	5/16THH	3/8THH	1/2TBE&J
	775'	500'	12	6	12	6	9

ANCHORS & GROUNDING INCLUDED	GAC3455TOP	AGK1GGX	BGK2GGX	CPC.5/.75	TBSAFETY
	3	1	3	3	3

130' ROHN 55G
All parts shown in table are included when ordering
Part No: 55G90R130



TOWER PARTS INCLUDED	55G	BPC55G	APL55G	GA55GD	FDNS BASE	FDNS ANCHOR
	14	1	1	3	CB1G	AB2

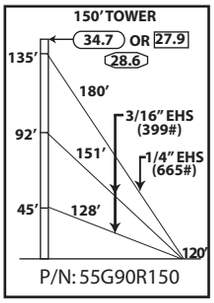
GUY WIRE & CONNECTION INCLUDED	3/16EHS	1/4EHS	BG2142	BG2144	5/16THH	3/8THH	1/2TBE&J
	825'	550'	12	6	12	6	9

ANCHORS & GROUNDING INCLUDED	GAC3455TOP	AGK1GGX	BGK2GGX	CPC.5/.75	TBSAFETY
	3	1	3	3	3

140' ROHN 55G
All parts shown in table are included when ordering
Part No: 55G90R140

© 2010 ROHN PRODUCTS LLC

STANDARD DESIGN - 55G
90MPH REV. G, 70MPH REV. F

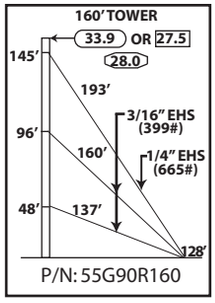


TOWER PARTS INCLUDED	55G	BPC55G	APL55G	GA55GD	FDNS BASE	FDNS ANCHOR
	15	1	1	3	CB2G	AB2

GUY WIRE & CONNECTION INCLUDED	3/16EHS	1/4EHS	BG2142	BG2144	5/16THH	3/8THH	1/2TBE&J
	900'	600'	12	6	12	6	6

ANCHORS & GROUNDING INCLUDED	GAC3455TOP	AGK1GGX	BGK2GGX	CPC.5/.75	TBSAFETY
	3	1	3	3	3

150' ROHN 55G
All parts shown in table are included when ordering
Part No: 55G90R150

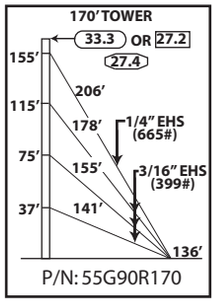


TOWER PARTS INCLUDED	55G	BPC55G	APL55G	GA55GD	FDNS BASE	FDNS ANCHOR
	16	1	1	3	CB2G	AB2

GUY WIRE & CONNECTION INCLUDED	3/16EHS	1/4EHS	BG2142	BG2144	5/16THH	3/8THH	1/2TBE&J
	950'	625'	12	6	12	6	9

ANCHORS & GROUNDING INCLUDED	GAC3455TOP	AGK1GGX	BGK2GGX	CPC.5/.75	TBSAFETY
	3	1	3	3	3

160' ROHN 55G
All parts shown in table are included when ordering
Part No: 55G90R160

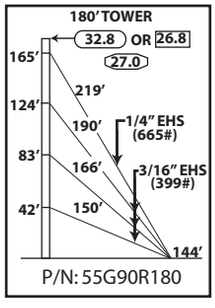


TOWER PARTS INCLUDED	55G	BPC55G	APL55G	GA55GD	FDNS BASE	FDNS ANCHOR
	17	1	1	4	CB2G	AB2

GUY WIRE & CONNECTION INCLUDED	3/16EHS	1/4EHS	BG2142	BG2144	5/16THH	3/8THH	1/2TBE&J
	1525'	675'	18	6	18	6	12

ANCHORS & GROUNDING INCLUDED	GAC3455TOP	AGK1GGX	BGK2GGX	CPC.5/.75	TBSAFETY
	3	1	3	3	3

170' ROHN 55G
All parts shown in table are included when ordering
Part No: 55G90R170

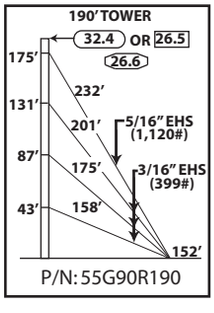


TOWER PARTS INCLUDED	55G	BPC55G	APL55G	GA55GD	FDNS BASE	FDNS ANCHOR
	18	1	1	4	CB2G	AB2

GUY WIRE & CONNECTION INCLUDED	3/16EHS	1/4EHS	BG2142	BG2144	5/16THH	3/8THH	1/2TBE&J
	1625'	700'	18	6	18	6	12

ANCHORS & GROUNDING INCLUDED	GAC3455TOP	AGK1GGX	BGK2GGX	CPC.5/.75	TBSAFETY
	3	1	3	3	3

180' ROHN 55G
All parts shown in table are included when ordering
Part No: 55G90R180



TOWER PARTS INCLUDED	55G	BPC55G	APL55G	GA55GD	FDNS BASE	FDNS ANCHOR
	19	1	1	4	CB2G	AB3

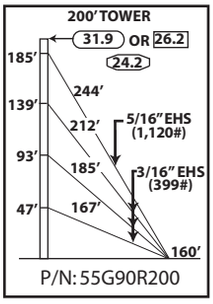
GUY WIRE & CONNECTION INCLUDED	3/16EHS	142265	BG2142	BG2146	5/16THH	7/16THH	5/8TBE&J
	1700'	750'	18	6	18	6	12

ANCHORS & GROUNDING INCLUDED	GAC5655TOP	AGK1GGX	BGK2GGX	CPC.5/.75	TBSAFETY
	3	1	3	3	3

190' ROHN 55G
All parts shown in table are included when ordering
Part No: 55G90R190

© 2010 ROHN PRODUCTS LLC

STANDARD DESIGN - 55G
90MPH REV. G, 70MPH REV. F



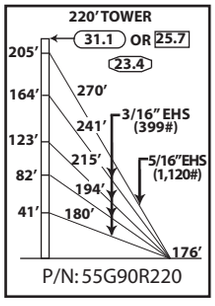
P/N: 55G90R200

TOWER PARTS INCLUDED	55G	BPC55G	APL55G	GA55GD	FDNS BASE	FDNS ANCHOR
	20	1	1	4	CB2G	AB3

GUY WIRE & CONNECTION INCLUDED	3/16EHS	142265	BG2142	BG2146	5/16THH	7/16THH	5/8TBE&J
	1800'	800'	18	6	18	6	12

ANCHORS & GROUNDING INCLUDED	GAC5655TOP	AGK1GGX	BGK2GGX	CPC1/1.25	TBSAFETY
	3	1	3	3	3

200' ROHN 55G
All parts shown in table are included when ordering
Part No: 55G90R200



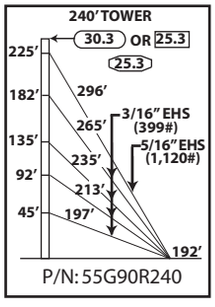
P/N: 55G90R220

TOWER PARTS INCLUDED	55G	BPC55G	APL55G	GA55GD	FDNS BASE	FDNS ANCHOR
	22	1	1	5	CB2G	AB3

GUY WIRE & CONNECTION INCLUDED	3/16EHS	142265	BG2142	BG2146	5/16THH	7/16THH	3/4TBE&J
	2650'	875'	24	6	24	6	15

ANCHORS & GROUNDING INCLUDED	GAC5755TOP	AGK1GGX	BGK2GGX	CPC1.5/2	TBSAFETY
	3	1	3	3	3

220' ROHN 55G
All parts shown in table are included when ordering
Part No: 55G90R220



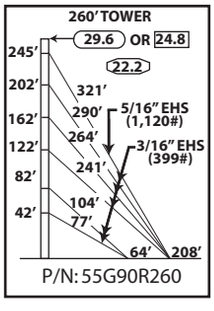
P/N: 55G90R240

TOWER PARTS INCLUDED	55G	BPC55G	APL55G	GA55GD	FDNS BASE	FDNS ANCHOR
	24	1	1	5	CB3G	AB3

GUY WIRE & CONNECTION INCLUDED	3/16EHS	142265	BG2142	BG2146	5/16THH	7/16THH	1/2TBE&J
	2900'	950'	24	6	24	6	12

ANCHORS & GROUNDING INCLUDED	GAC5755TOP	AGK1GGX	BGK2GGX	CPC1.5/2	TBSAFETY
	3	1	3	3	3

240' ROHN 55G
All parts shown in table are included when ordering
Part No: 55G90R240



P/N: 55G90R260

TOWER PARTS INCLUDED	55G	BPC55G	APL55G	GA55GD	BASE	INNER ANCHOR	OUTER ANCHOR
	26	1	1	6	CB3G	AB2	AB3

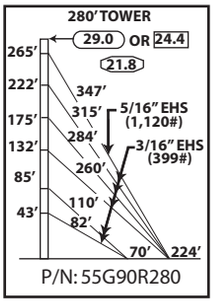
GUY WIRE & CONNECTION INCLUDED	3/16EHS	142265	BG2142	BG2146	5/16THH
	3125'	1025'	30	6	30
	7/16THH	1/2TBE&J	5/8TBE&J	CPC.5/.75	CPC1/1.25
	6	6	12	3	3

ANCHORS & GROUNDING INCLUDED	GAC3455TOP	GAC5655TOP	AGK1GGX	BGK2GGX	TBSAFETY
	3	3	2	3	6

260' ROHN 55G
All parts shown in table are included when ordering
Part No: 55G90R260

© 2010 ROHN PRODUCTS LLC

STANDARD DESIGN - 55G
90MPH REV. G, 70MPH REV. F



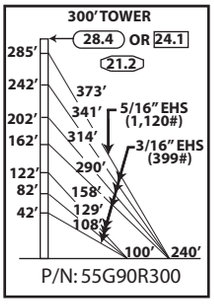
P/N: 55G90R280

TOWER PARTS INCLUDED	55G	BPC55G	APL55G	GA55GD	BASE	INNER ANCHOR	OUTER ANCHOR
	28	1	1	6	CB4G	AB2	AB3

GUY WIRE & CONNECTION INCLUDED	3/16EHS	142265	BG2142	BG2146	5/16THH
	3350	1125'	30	6	30
	7/16THH	1/2TBE&J	5/8TBE&J	CPC.5/.75	CPC1/1.25
	6	6	12	3	3

ANCHORS & GROUNDING INCLUDED	GAC3455TOP	GAC5655TOP	AGK1GGX	BGK2GGX	TBSAFETY
	3	3	2	3	6

280' ROHN 55G
All parts shown in table are included when ordering
Part No: 55G90R280



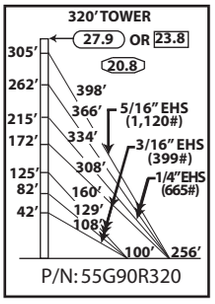
P/N: 55G90R300

TOWER PARTS INCLUDED	55G	BPC55G	APL55G	GA55GD	BASE	INNER ANCHOR	OUTER ANCHOR
	30	1	1	7	CB4G	AB2	AB3

GUY WIRE & CONNECTION INCLUDED	3/16EHS	142265	BG2142	BG2146	5/16THH
	4275'	1200'	36	6	36
	7/16THH	1/2TBE&J	5/8TBE&J	CPC.5/.75	CPC1/1.25
	6	9	12	3	3

ANCHORS & GROUNDING INCLUDED	GAC3455TOP	GAC5655TOP	AGK1GGX	BGK2GGX	TBSAFETY
	3	3	2	3	6

300' ROHN 55G
All parts shown in table are included when ordering
Part No: 55G90R300



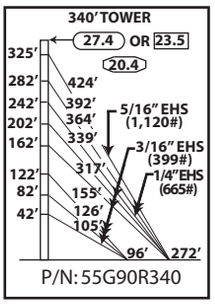
P/N: 55G90R320

TOWER PARTS INCLUDED	55G	BPC55G	APL55G	GA55GD	BASE	INNER ANCHOR	OUTER ANCHOR
	32	1	1	7	CB4G	AB2	AB3

GUY WIRE & CONNECTION INCLUDED	3/16EHS	1/4EHS	142265	BG2142	BG2144	BG2146
	2250'	2250'	1275'	24	12	6
	5/16THH	3/8THH	7/16THH	1/2TBE&J	5/8TBE&J	TBSAFETY
	24	12	6	9	12	6

ANCHORS & GROUNDING INCLUDED	GAC3455TOP	GAC5655TOP	AGK1GGX	BGK2GGX	CPC.5/.75	CPC1/1.25
	3	3	2	3	3	3

320' ROHN 55G
All parts shown in table are included when ordering
Part No: 55G90R320



P/N: 55G90R340

TOWER PARTS INCLUDED	55G	BPC55G	APL55G	GA55GD	BASE	INNER ANCHOR	OUTER ANCHOR
	34	1	1	8	CB4G	AB2	AB3

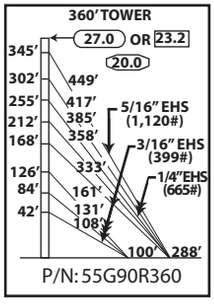
GUY WIRE & CONNECTION INCLUDED	3/16EHS	1/4EHS	142265	BG2142	BG2144	BG2146
	5725'	5725'	1350'	30	12	6
	5/16THH	3/8THH	7/16THH	1/2TBE&J	5/8TBE&J	TBSAFETY
	30	12	6	12	3	6

ANCHORS & GROUNDING INCLUDED	GAC3455TOP	GAC5655TOP	AGK1GGX	BGK2GGX	CPC.5/.75	CPC1/1.25
	3	3	2	3	3	3

340' ROHN 55G
All parts shown in table are included when ordering
Part No: 55G90R340

© 2010 ROHN PRODUCTS LLC

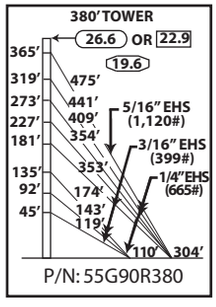
STANDARD DESIGN - 55G
90MPH REV.G, 70MPH REV. F



P/N: 55G90R360

TOWER PARTS INCLUDED	55G	BPC55G	APL55G	GA55GD	APL1258UM	BASE	INNER ANCHOR	OUTER ANCHOR
	36	1	1	8	1	CB5G	AB2	AB4
GUY WIRE & CONNECTION INCLUDED	3/16EHS	1/4EHS	142265	BG2142	BG2144	BG2146		
	3475'	2575'	1450'	30	12	6		
	5/16THH	3/8THH	7/16THH	1/2TBE&J	5/8TBE&J	TBSAFETY		
	30	12	6	9	15	6		
ANCHORS & GROUNDING INCLUDED	GAC3455TOP	GAC5655TOP	AGK1GGX	BGK2GGX	CPC.5/.75	CPC1/1.25		
	3	3	2	3	3	3		

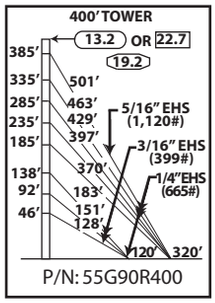
360' ROHN 55G
All parts shown in table are included when ordering
Part No: 55G90R360



P/N: 55G90R380

TOWER PARTS INCLUDED	55G	BPC55G	APL55G	GA55GD	APL1258UM	BASE	INNER ANCHOR	OUTER ANCHOR
	38	1	1	8	1	CB5G	AB2	AB4
GUY WIRE & CONNECTION INCLUDED	3/16EHS	1/4EHS	142265	BG2142	BG2144	BG2146		
	3175'	3275'	1525'	24	18	6		
	5/16THH	3/8THH	7/16THH	1/2TBE&J	5/8TBE&J	TBSAFETY		
	24	18	6	9	15	6		
ANCHORS & GROUNDING INCLUDED	GAC3455TOP	GAC5655TOP	AGK1GGX	BGK2GGX	CPC.5/.75	CPC1/1.25		
	3	3	2	3	3	3		

380' ROHN 55G
All parts shown in table are included when ordering
Part No: 55G90R380



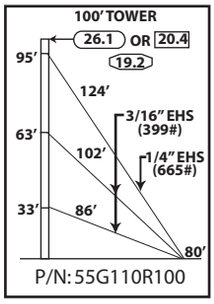
P/N: 55G90R400

TOWER PARTS INCLUDED	55G	BPC55G	APL55G	GA55GD	APL1258UM	BASE	INNER ANCHOR	OUTER ANCHOR
	40	1	1	8	1	CB5G	AB2	AB4
GUY WIRE & CONNECTION INCLUDED	3/16EHS	1/4EHS	142265	BG2142	BG2144	BG2146		
	2075'	4700'	1600'	18	24	6		
	5/16THH	3/8THH	7/16THH	1/2TBE&J	5/8TBE&J	TBSAFETY		
	18	24	6	9	15	6		
ANCHORS & GROUNDING INCLUDED	GAC3455TOP	GAC5655TOP	AGK1GGX	BGK2GGX	CPC.5/.75	CPC1/1.25		
	3	3	2	3	3	3		

400' ROHN 55G
All parts shown in table are included when ordering
Part No: 55G90R400

© 2010 ROHN PRODUCTS LLC

STANDARD DESIGN - 55G
110MPH REV.G, 90MPH REV. F



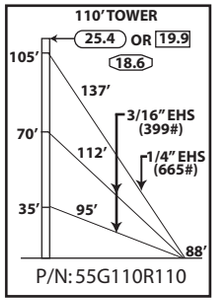
P/N: 55G110R100

TOWER PARTS INCLUDED	55G	BPC55G	APL55G	GA55GD	FDNS BASE	FDNS ANCHOR
	10	1	1	3	CB1G	AB2

GUY WIRE & CONNECTION INCLUDED	3/16EHS	1/4EHS	BG2142	BG2144	5/16THH	3/8THH	1/2TBE&J
	600'	400'	12	6	12	6	9

ANCHORS & GROUNDING INCLUDED	GAC3455TOP	AGK1GGX	BGK2GGX	CPC.5/.75	TBSAFETY
	3	1	3	3	3

100' ROHN 55G
All parts shown in table are included when ordering
Part No: 55G110R100



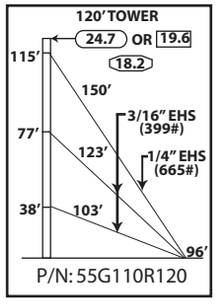
P/N: 55G110R110

TOWER PARTS INCLUDED	55G	BPC55G	APL55G	GA55GD	FDNS BASE	FDNS ANCHOR
	11	1	1	3	CB1G	AB2

GUY WIRE & CONNECTION INCLUDED	3/16EHS	1/4EHS	BG2142	BG2144	5/16THH	3/8THH	1/2TBE&J
	675'	450'	12	6	12	6	9

ANCHORS & GROUNDING INCLUDED	GAC3455TOP	AGK1GGX	BGK2GGX	CPC.5/.75	TBSAFETY
	3	1	3	3	3

110' ROHN 55G
All parts shown in table are included when ordering
Part No: 55G110R110



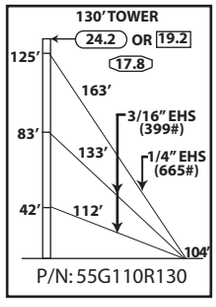
P/N: 55G110R120

TOWER PARTS INCLUDED	55G	BPC55G	APL55G	GA55GD	FDNS BASE	FDNS ANCHOR
	12	1	1	3	CB2G	AB2

GUY WIRE & CONNECTION INCLUDED	3/16EHS	1/4EHS	BG2142	BG2144	5/16THH	3/8THH	1/2TBE&J
	725'	500'	12	6	12	6	9

ANCHORS & GROUNDING INCLUDED	GAC3455TOP	AGK1GGX	BGK2GGX	CPC.5/.75	TBSAFETY
	3	1	3	3	3

120' ROHN 55G
All parts shown in table are included when ordering
Part No: 55G110R120



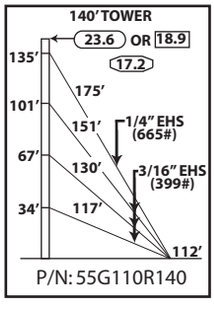
P/N: 55G110R130

TOWER PARTS INCLUDED	55G	BPC55G	APL55G	GA55GD	FDNS BASE	FDNS ANCHOR
	13	1	1	3	CB2G	AB2

GUY WIRE & CONNECTION INCLUDED	3/16EHS	1/4EHS	BG2142	BG2144	5/16THH	3/8THH	1/2TBE&J
	800'	525'	12	6	12	6	9

ANCHORS & GROUNDING INCLUDED	GAC3455TOP	AGK1GGX	BGK2GGX	CPC.5/.75	TBSAFETY
	3	1	3	3	3

130' ROHN 55G
All parts shown in table are included when ordering
Part No: 55G110R130



P/N: 55G110R140

TOWER PARTS INCLUDED	55G	BPC55G	APL55G	GA55GD	FDNS BASE	FDNS ANCHOR
	14	1	1	4	CB2G	AB2

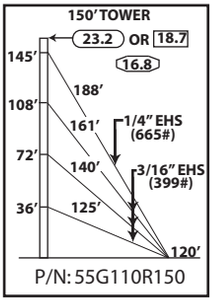
GUY WIRE & CONNECTION INCLUDED	3/16EHS	1/4EHS	BG2142	BG2144	5/16THH	3/8THH	1/2TBE&J
	1275'	575'	18	6	18	6	12

ANCHORS & GROUNDING INCLUDED	GAC3455TOP	AGK1GGX	BGK2GGX	CPC.5/.75	TBSAFETY
	3	1	3	3	3

140' ROHN 55G
All parts shown in table are included when ordering
Part No: 55G110R140

© 2010 ROHN PRODUCTS LLC

STANDARD DESIGN - 55G
110MPH REV.G, 90MPH REV. F



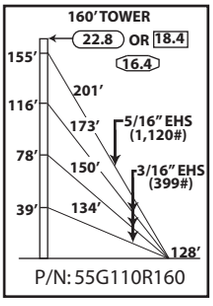
P/N: 55G110R150

TOWER PARTS INCLUDED	55G	BPC55G	APL55G	GA55GD	FDNS BASE	FDNS ANCHOR
	15	1	1	4	CB2G	AB3

GUY WIRE & CONNECTION INCLUDED	3/16EHS	1/4EHS	BG2142	BG2144	5/16THH	3/8THH	5/8TBE&J
	1375'	600'	18	6	18	6	12

ANCHORS & GROUNDING INCLUDED	GAC5655TOP	AGK1GGX	BGK2GGX	CPC1/1.25	TBSAFETY
	3	1	3	3	3

150' ROHN 55G
All parts shown in table are included when ordering
Part No: 55G110R150



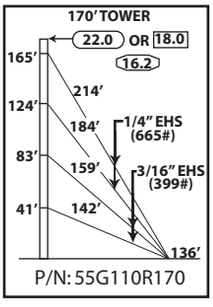
P/N: 55G110R160

TOWER PARTS INCLUDED	55G	BPC55G	APL55G	GA55GD	FDNS BASE	FDNS ANCHOR
	16	1	1	4	CB2G	AB3

GUY WIRE & CONNECTION INCLUDED	3/16EHS	142265	BG2142	BG2146	5/16THH	7/16THH	5/8TBE&J
	1475'	650'	18	6	18	6	12

ANCHORS & GROUNDING INCLUDED	GAC5655TOP	AGK1GGX	BGK2GGX	CPC1/1.25	TBSAFETY
	3	1	3	3	3

160' ROHN 55G
All parts shown in table are included when ordering
Part No: 55G110R160



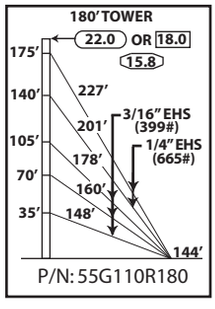
P/N: 55G110R170

TOWER PARTS INCLUDED	55G	BPC55G	APL55G	GA55GD	FDNS BASE	FDNS ANCHOR
	17	1	1	4	CB2G	AB3

GUY WIRE & CONNECTION INCLUDED	3/16EHS	1/4EHS	BG2142	BG2144	5/16THH	3/8THH	5/8TBE&J
	975'	1275'	12	12	12	12	12

ANCHORS & GROUNDING INCLUDED	GAC5655TOP	AGK1GGX	BGK2GGX	CPC1/1.25	TBSAFETY
	3	1	3	3	3

170' ROHN 55G
All parts shown in table are included when ordering
Part No: 55G110R170



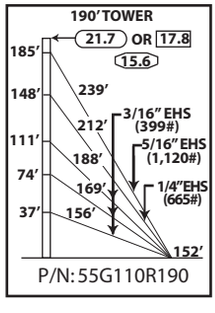
P/N: 55G110R180

TOWER PARTS INCLUDED	55G	BPC55G	APL55G	GA55GD	FDNS BASE	FDNS ANCHOR
	18	1	1	5	CB3G	AB3

GUY WIRE & CONNECTION INCLUDED	3/16EHS	1/4EHS	BG2142	BG2144	5/16THH	3/8THH	5/8TBE&J
	1550'	1375'	18	12	18	12	15

ANCHORS & GROUNDING INCLUDED	GAC5655TOP	AGK1GGX	BGK2GGX	CPC1/1.25	TBSAFETY
	3	1	3	3	3

180' ROHN 55G
All parts shown in table are included when ordering
Part No: 55G110R180



P/N: 55G110R190

TOWER PARTS INCLUDED	55G	BPC55G	APL55G	GA55GD	FDNS BASE	FDNS ANCHOR
	19	1	1	5	CB3G	AB3

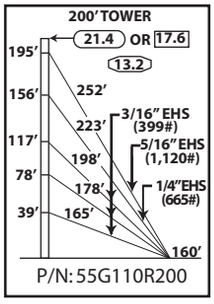
GUY WIRE & CONNECTION INCLUDED	3/16EHS	1/4EHS	142265	BG2142	BG2144
	1650'	675'	775'	18	6
	BG2146	5/16THH	3/8THH	7/16THH	5/8TBE&J
	6	18	6	6	15

ANCHORS & GROUNDING INCLUDED	GAC5655TOP	AGK1GGX	BGK2GGX	CPC1/1.25	TBSAFETY
	3	1	3	3	3

190' ROHN 55G
All parts shown in table are included when ordering
Part No: 55G110R190

© 2010 ROHN PRODUCTS LLC

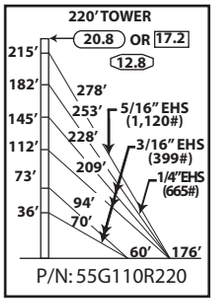
STANDARD DESIGN - 55G
110MPH REV.G, 90MPH REV. F



P/N: 55G110R200

TOWER PARTS INCLUDED	55G	BPC55G	APL55G	GA55GD	FDNS BASE	FDNS ANCHOR
	20	1	1	5	CB3G	AB3
GUY WIRE & CONNECTION INCLUDED	3/16EHS	1/4EHS	142265	BG2142	BG2144	
	1750'	725'	825'	18	6	
	BG2146	5/16THH	3/8THH	7/16THH	5/8TBE&J	
	6	18	6	6	15	
ANCHORS & GROUNDING INCLUDED	GAC5655TOP	AGK1GGX	BGK2GGX	CPC1/1.25	TBSAFETY	
	3	1	3	3	3	

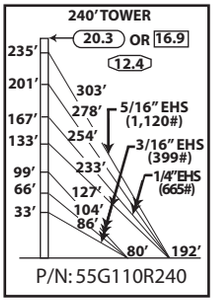
200' ROHN 55G
All parts shown in table are included when ordering
Part No: 55G110R200



P/N: 55G110R220

TOWER PARTS INCLUDED	55G	BPC55G	APL55G	GA55GD	BASE	INNER ANCHOR	OUTER ANCHOR
	22	1	1	6	CB4G	AB2	AB3
GUY WIRE & CONNECTION INCLUDED	3/16EHS	1/4EHS	142265	BG2142	BG2144		BG2146
	1925'	825'	900'	24	6		6
	5/16THH	3/8THH	7/16THH	1/2TBE&J	5/8TBE&J		TBSAFETY
	24	6	6	6	12		6
ANCHORS & GROUNDING INCLUDED	GAC3455TOP	GAC5655TOP	AGK1GGX	BGK2GGX	CPC.5/.75		CPC1/1.25
	3	3	2	3	3		3

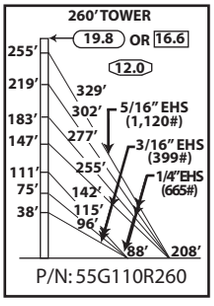
220' ROHN 55G
All parts shown in table are included when ordering
Part No: 55G110R220



P/N: 55G110R240

TOWER PARTS INCLUDED	55G	BPC55G	APL55G	GA55GD	BASE	INNER ANCHOR	OUTER ANCHOR
	24	1	1	7	CB4G	AB2	AB3
GUY WIRE & CONNECTION INCLUDED	3/16EHS	1/4EHS	142265	BG2142	BG2144		BG2146
	1750'	1700'	975'	24	12		6
	5/16THH	3/8THH	7/16THH	1/2TBE&J	5/8TBE&J		TBSAFETY
	24	12	6	9	12		6
ANCHORS & GROUNDING INCLUDED	GAC3455TOP	GAC5655TOP	AGK1GGX	BGK2GGX	CPC.5/.75		CPC1/1.25
	3	3	2	3	3		3

240' ROHN 55G
All parts shown in table are included when ordering
Part No: 55G110R240



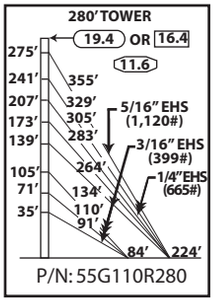
P/N: 55G110R260

TOWER PARTS INCLUDED	55G	BPC55G	APL55G	GA55GD	BASE	INNER ANCHOR	OUTER ANCHOR
	26	1	1	7	CB5G	AB2	AB3
GUY WIRE & CONNECTION INCLUDED	3/16EHS	1/4EHS	142265	BG2142	BG2144		BG2146
	1500'	2300'	1050'	18	18		6
	5/16THH	3/8THH	7/16THH	1/2TBE&J	5/8TBE&J		TBSAFETY
	18	18	6	9	12		6
ANCHORS & GROUNDING INCLUDED	GAC3455TOP	GAC5655TOP	AGK1GGX	BGK2GGX	CPC.5/.75		CPC1/1.25
	3	3	2	3	3		3

260' ROHN 55G
All parts shown in table are included when ordering
Part No: 55G110R260

© 2010 ROHN PRODUCTS LLC

STANDARD DESIGN - 55G
110MPH REV.G, 90MPH REV. F



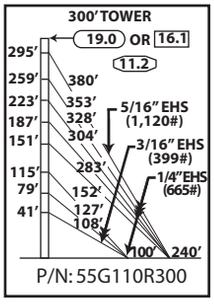
P/N: 55G110R280

TOWER PARTS INCLUDED	55G	BPC55G	APL55G	GA55GD	BASE	INNER ANCHOR	OUTER ANCHOR
	28	1	1	8	CB5G	AB2	AB4

GUY WIRE & CONNECTION INCLUDED	3/16EHS	1/4EHS	142265	BG2142	BG2144	BG2146
	2825'	2025'	1150'	30	12	6
	5/16THH	3/8THH	7/16THH	1/2TBE&J	5/8TBE&J	TBSAFETY
	30	12	6	9	15	6

ANCHORS & GROUNDING INCLUDED	GAC3455TOP	GAC5655TOP	AGK1GGX	BGK2GGX	CPC.5/.75	CPC1/1.25
	3	3	2	3	3	3

280' ROHN 55G
All parts shown in table are included when ordering
Part No: 55G110R280



P/N: 55G110R300

TOWER PARTS INCLUDED	55G	BPC55G	APL55G	GA55GD	BASE	INNER ANCHOR	OUTER ANCHOR
	30	1	1	8	CB5G	AB2	AB4

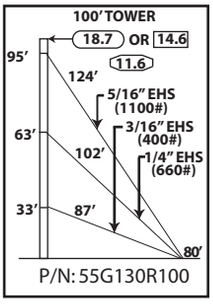
GUY WIRE & CONNECTION INCLUDED	3/16EHS	1/4EHS	142265	BG2142	BG2144	BG2146
	1675'	2500'	2350'	18	18	12
	5/16THH	3/8THH	7/16THH	1/2TBE&J	5/8TBE&J	TBSAFETY
	18	18	12	9	15	6

ANCHORS & GROUNDING INCLUDED	GAC3455TOP	GAC5655TOP	AGK1GGX	BGK2GGX	CPC.5/.75	CPC1/1.25
	3	3	2	3	3	3

300' ROHN 55G
All parts shown in table are included when ordering
Part No: 55G110R300

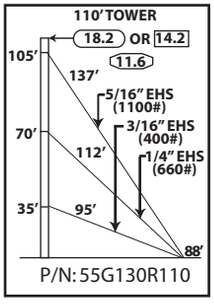
© 2010 ROHN PRODUCTS LLC

STANDARD DESIGN - 55G
130MPH REV.G, 110MPH REV. F



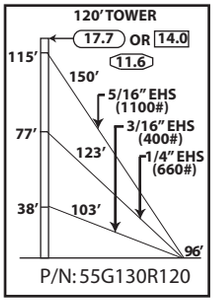
TOWER PARTS INCLUDED	55G	BPC55G	APL55G	GA55GD	FDNS BASE	FDNS ANCHOR
	10	1	1	3	CB2G	AB2
GUY WIRE & CONNECTION INCLUDED	3/16EHS	1/4EHS	142265	BG2142	BG2144	BG2146
	300'	325'	400'	6	6	6
	5/16THH	3/8THH	7/16THH	1/2TBE&J	5/8TBE&J	
	6	6	6	6	3	
ANCHORS & GROUNDING INCLUDED	GAC3455TOP	AGK1GGX	BGK2GGX	CPC.5/.75	TBSAFETY	
	3	1	3	3	3	

100' ROHN 55G
All parts shown in table are included when ordering
Part No: 55G130R100



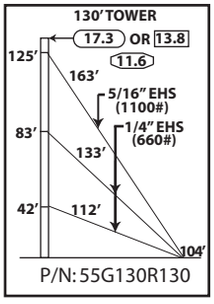
TOWER PARTS INCLUDED	55G	BPC55G	APL55G	GA55GD	FDNS BASE	FDNS ANCHOR
	11	1	1	3	CB2G	AB3
GUY WIRE & CONNECTION INCLUDED	3/16EHS	1/4EHS	142265	BG2142	BG2144	BG2146
	325'	375'	450'	6	6	6
	5/16THH	3/8THH	7/16THH	1/2TBE&J	5/8TBE&J	
	6	6	6	6	3	
ANCHORS & GROUNDING INCLUDED	GAC5655TOP	AGK1GGX	BGK2GGX	CPC.5/.75	TBSAFETY	
	3	1	3	3	3	

110' ROHN 55G
All parts shown in table are included when ordering
Part No: 55G130R110



TOWER PARTS INCLUDED	55G	BPC55G	APL55G	GA55GD	FDNS BASE	FDNS ANCHOR
	12	1	1	3	CB2G	AB3
GUY WIRE & CONNECTION INCLUDED	3/16EHS	1/4EHS	142265	BG2142	BG2144	BG2146
	350'	400'	500'	6	6	6
	5/16THH	3/8THH	7/16THH	1/2TBE&J	5/8TBE&J	
	6	6	6	6	3	
ANCHORS & GROUNDING INCLUDED	GAC5655TOP	AGK1GGX	BGK2GGX	CPC.5/.75	TBSAFETY	
	3	1	3	3	3	

120' ROHN 55G
All parts shown in table are included when ordering
Part No: 55G130R120

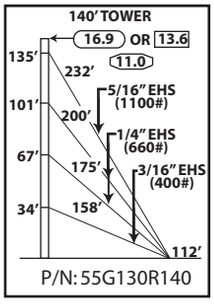


TOWER PARTS INCLUDED	55G	BPC55G	APL55G	GA55GD	FDNS BASE	FDNS ANCHOR
	13	1	1	3	CB2G	AB3
GUY WIRE & CONNECTION INCLUDED	1/4EHS	142265	BG2142	BG2144	BG2146	
	425'	525'	6	6	6	
	5/16THH	3/8THH	7/16THH	1/2TBE&J	5/8TBE&J	
	6	6	6	6	3	
ANCHORS & GROUNDING INCLUDED	GAC5655TOP	AGK1GGX	BGK2GGX	CPC.5/.75	TBSAFETY	
	3	1	3	3	3	

130' ROHN 55G
All parts shown in table are included when ordering
Part No: 55G130R130

© 2010 ROHN PRODUCTS LLC

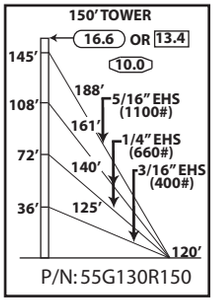
STANDARD DESIGN - 55G
130MPH REV.G, 110MPH REV. F



P/N: 55G130R140

TOWER PARTS INCLUDED	55G	BPC55G	APL55G	GA55GD	FDNS BASE	FDNS ANCHOR
	14	1	1	4	CB3G	AB3
GUY WIRE & CONNECTION INCLUDED	3/16EHS	1/4EHS	142265	BG2142	BG2144	BG2146
	875'	500'	575'	12	6	6
	5/16THH	3/8THH	7/16THH	1/2TBE&J	5/8TBE&J	
	12	6	6	9	3	
ANCHORS & GROUNDING INCLUDED	GAC5655TOP	AGK1GGX	BGK2GGX	CPC.5/.75	TBSAFETY	
	3	1	3	3	3	

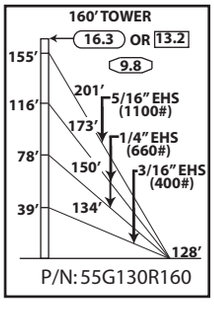
140' ROHN 55G
All parts shown in table are included when ordering
Part No: 55G130R140



P/N: 55G130R150

TOWER PARTS INCLUDED	55G	BPC55G	APL55G	GA55GD	FDNS BASE	FDNS ANCHOR
	15	1	1	4	CB3G	AB3
GUY WIRE & CONNECTION INCLUDED	3/16EHS	1/4EHS	142265	BG2142	BG2144	BG2146
	900'	525'	600'	12	6	6
	5/16THH	3/8THH	7/16THH	1/2TBE&J	5/8TBE&J	
	12	6	6	9	3	
ANCHORS & GROUNDING INCLUDED	GAC5655TOP	AGK1GGX	BGK2GGX	CPC.5/.75	TBSAFETY	
	3	1	3	3	3	

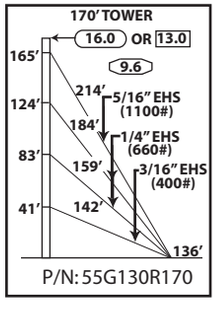
150' ROHN 55G
All parts shown in table are included when ordering
Part No: 55G130R150



P/N: 55G130R160

TOWER PARTS INCLUDED	55G	BPC55G	APL55G	GA55GD	FDNS BASE	FDNS ANCHOR
	16	1	1	4	CB3G	AB3
GUY WIRE & CONNECTION INCLUDED	3/16EHS	1/4EHS	142265	BG2142	BG2144	BG2146
	950'	550'	650'	12	6	6
	5/16THH	3/8THH	7/16THH	1/2TBE&J	5/8TBE&J	
	12	6	6	9	3	
ANCHORS & GROUNDING INCLUDED	GAC5655TOP	AGK1GGX	BGK2GGX	CPC.5/.75	TBSAFETY	
	3	1	3	3	3	

160' ROHN 55G
All parts shown in table are included when ordering
Part No: 55G130R160



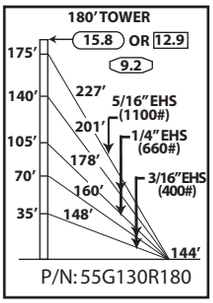
P/N: 55G130R170

TOWER PARTS INCLUDED	55G	BPC55G	APL55G	GA55GD	FDNS BASE	FDNS ANCHOR
	17	1	1	4	CB3G	AB4
GUY WIRE & CONNECTION INCLUDED	3/16EHS	1/4EHS	142265	BG2142	BG2144	BG2146
	500'	1175'	700'	6	12	6
	5/16THH	3/8THH	7/16THH	1/2TBE&J	5/8TBE&J	
	6	12	6	9	3	
ANCHORS & GROUNDING INCLUDED	GAC5655TOP	AGK1GGX	BGK2GGX	CPC.5/.75	TBSAFETY	
	3	1	3	3	3	

170' ROHN 55G
All parts shown in table are included when ordering
Part No: 55G130R170

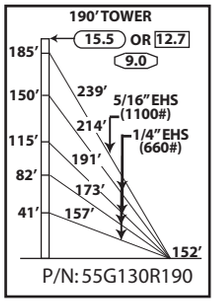
© 2010 ROHN PRODUCTS LLC

STANDARD DESIGN - 55G
130MPH REV.G, 110MPH REV. F



TOWER PARTS INCLUDED	55G	BPC55G	APL55G	GA55GD	FDNS BASE	FDNS ANCHOR
	18	1	1	5	CB3G	AB4
GUY WIRE & CONNECTION INCLUDED	3/16EHS	1/4EHS	142265	BG2142	BG2144	
	1000'	1225'	725'	12	12	
	BG2146	5/16THH	3/8THH	7/16THH	5/8TBE&J	
	6	12	12	6	15	
ANCHORS & GROUNDING INCLUDED	GAC5655TOP	AGK1GGX	BGK2GGX	CPC.5/.75	TBSAFETY	
	3	1	3	3	3	

180' ROHN 55G
All parts shown in table are included when ordering
Part No: 55G130R180

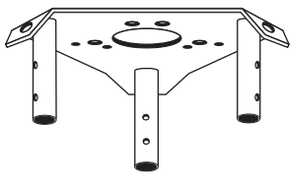


TOWER PARTS INCLUDED	55G	BPC55G	APL55G	GA55GD	FDNS BASE	FDNS ANCHOR
	19	1	1	5	CB4G	AB4
GUY WIRE & CONNECTION INCLUDED	1/4EHS	142265	BG2142	BG2144		
	1425'	775'	12	12		
	BG2146	5/16THH	3/8THH	7/16THH	5/8TBE&J	
	6	12	12	6	15	
ANCHORS & GROUNDING INCLUDED	GAC5655TOP	AGK1GGX	BGK2GGX	CPC.5/.75	TBSAFETY	
	3	1	3	3	3	

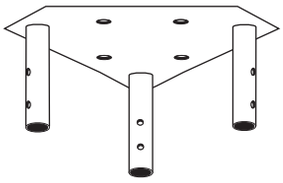
190' ROHN 55G
All parts shown in table are included when ordering
Part No: 55G130R190

© 2010 ROHN PRODUCTS LLC

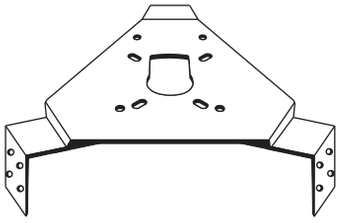
PARTS & ACCESSORIES



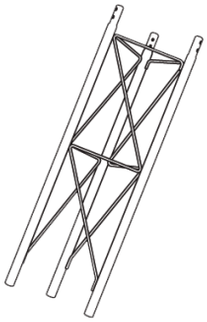
BEARING PLATE
BPL55G
CONVERTS STANDARD SECTION TO A TOP SECTION. SHOWN WITH TB3 (2" O.D.) THRUST BEARING. TB4 (3" O.D.) THRUST BEARING ALSO AVAILABLE.



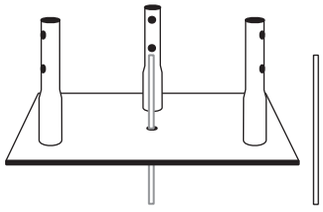
BEACON PLATE
APL55G
FOR MOUNTING BEACON. BOLTS TO TOP OF STANDARD SECTION.



ACCESSORY SHELF
AS455G
FOR MOUNTING MANY POPULAR ROTORS. FIELD DRILLING MAY BE NECESSARY FOR SOME ROTORS.



5' SHORT BASE
SB55G
THESE BASE SECTIONS FOR EMBEDMENT IN CONCRETE.



CONCRETE BASE PLATE
BPC55G*
FOR USE WITH PIER PIN EMBEDDED IN CONCRETE.

PIER PIN
3/4x12PP
MUST BE ORDERED SEPARATELY.

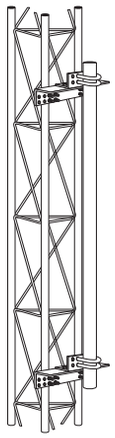
TAPERED BASE

55TG - STANDARD

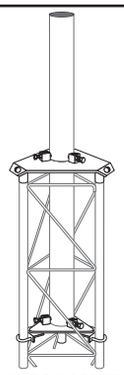
55TGIA - USE WITH A4197L BASE INSULATOR

55TGIAA - USE WITH A4722B BASE INSULATOR

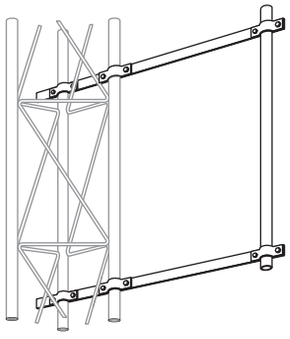
PIER PIN MUST BE ORDERED SEPARATELY.



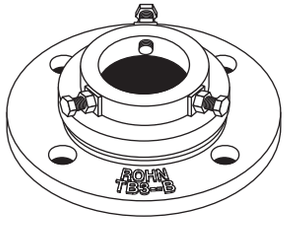
FACE MOUNT
DM55G2 - 2 3/8" O.D. 5' LONG
DM554 - 4 1/2" O.D. PIPE, 5' LONG



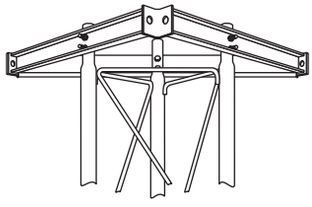
TOP MOUNT
55TDMKD - NO PIPE
55TDM2S3KD - 2" PIPE
55TDM25S3KD - 2 1/2" PIPE
55TDM3S3KD - 3" PIPE
55TDM35S3KD - 3 1/2" PIPE
55TDM4S3KD - 4" PIPE



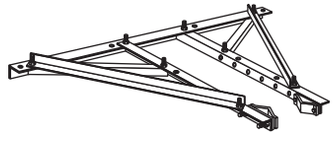
SIDE ARM BRACKET
SA253UA
MOUNTING TUBE PROVIDED IS 3' LONG, 2 - 1/4" O.D.



THRUST BEARING
TB3 - SUPPORTS UP TO 2" O.D. MAST.
TB4 - SUPPORTS UP TO 3" O.D. MAST.



TORQUE ARM STABILIZER ASSEMBLY
TA55
SHOWN WITH 45TDM TOP DISH MOUNT.

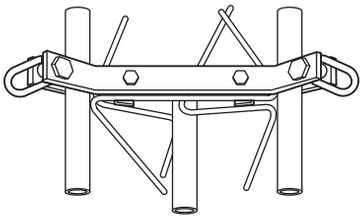


HEAVY DUTY UNIVERSAL HOUSE BRACKET
HBUTVRO
ADJUSTABLE TO POSITION TOWER 18" - 36" FROM WALL.

*** TOWERS MOUNTED ON THESE BASES MUST BE BRACKETED OR GUYED AT ALL TIMES. TEMPORARY STEEL GUYING MAY ALSO BE NECESSARY DURING INSTALLATION AND DISMANTLING.**

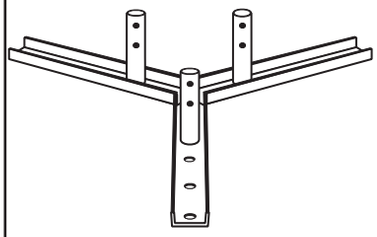
© 2010 ROHN PRODUCTS LLC

PARTS & ACCESSORIES

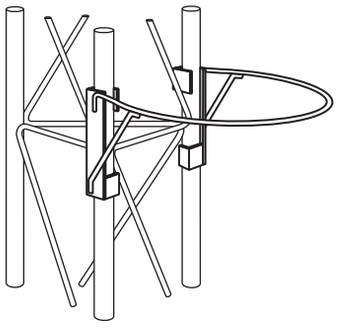


GUY BRACKET
GA55GD
MOUNTS TO ANY TOWER AT ANY HORIZONTAL BRACE.

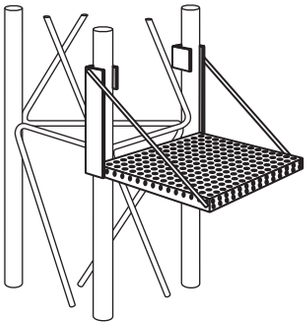
TORQUE BARS
TB55D
REQUIRES THREE 3/8s SHACKLES FOR INSTALLATION. (NOT SHOWN)



FLAT ROOF MOUNT
FR55G
BOLTS DIRECTLY TO FLAT ROOF SURFACE.



SAFETY RING
SR55
SNAPS INTO PLACE AT ANY LEVEL. NO BOLTS REQUIRED.



WORK PLATFORM
WP55G
SNAPS INTO PLACE AT ANY LEVEL. NO BOLTS REQUIRED.

ANTI-CLIMB PANELS
455ACL3
BOLT ON SHEETS TO PROVIDE ANTI-CLIMB PROTECTION.

CLIMBING HARNESS
TTFBH-4D
4D RING HARNESS
TTFBH-C/P
PROFESSIONAL HARNESS

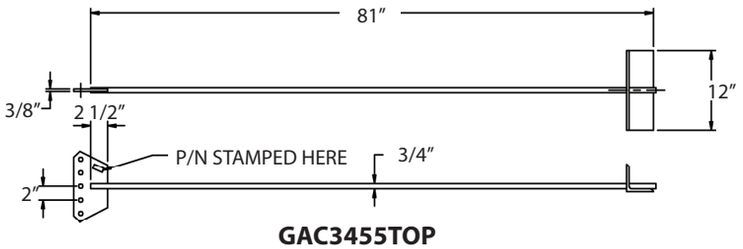
SAFETY CABLE SLIDER
TT-WG-500-W/SMC
WIRE ROPE GRAB WITH CARABINEER.

SAFETY CABLE SYSTEM ORDERING INFORMATION

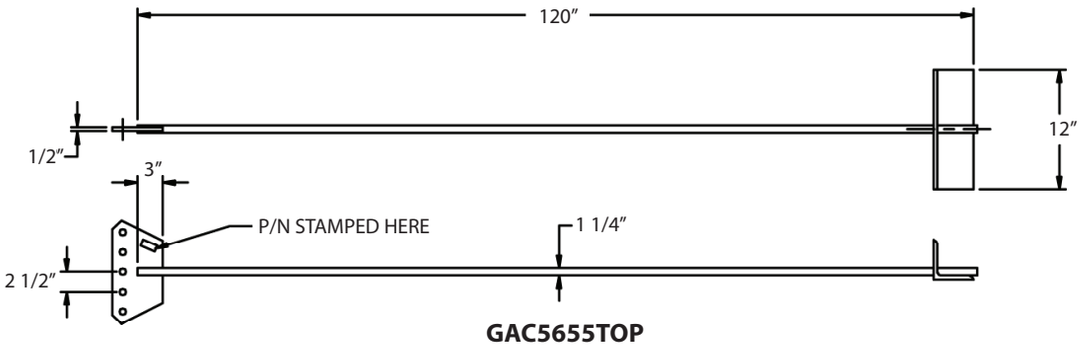
TOWER HEIGHT	PART NUMBER
50′	TT0504555
100′	TT1004555
150′	TT1504555
200′	TT2004555
250′	TT2504555
300′	TT3004555
350′	TT3504555
400′	TT4004555

© 2010 ROHN PRODUCTS LLC

GUY ANCHOR INFORMATION



GAC3455TOP
(17,670 LBS. ALLOWABLE LOAD)*



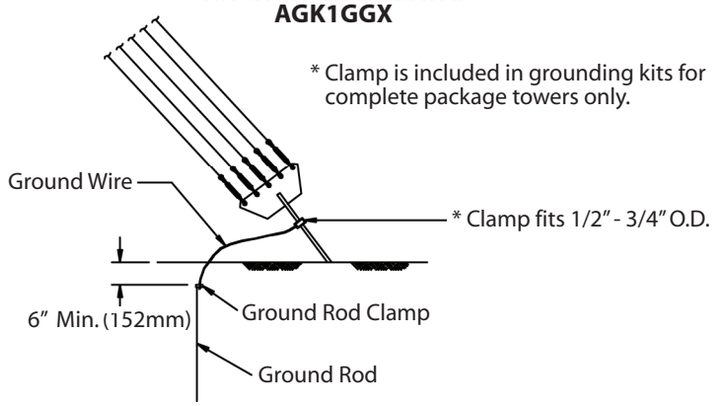
GAC5655TOP
(49,060 LBS. ALLOWABLE LOAD)*

ANCHOR RODS

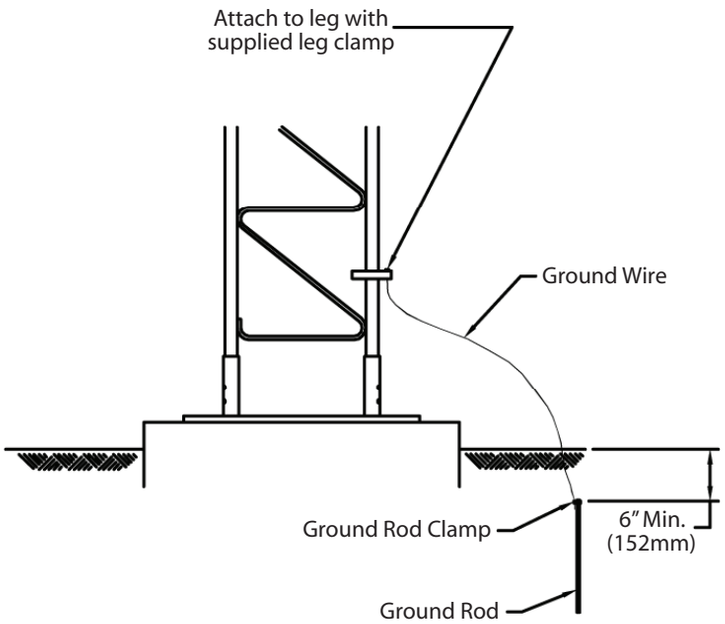
Notes:
1. GAC303 rods are supplied with type EP25343 and EP25345 equalizer plates.
2. Part number suffixes 3, 5 and 55 denotes 3 or 5 holes in equalizer plates.
3. Type EE equalizer plates are supplied in pairs for eye and eye turnbuckles.
4. Type EJ equalizer plates are used with eye and jaw turnbuckles.

* INCLUDES 33.33 INCREASE IN ALLOWABLE STRESSES. Anchor Rod capacities are calculated per ANSI/TIA/EIA-222-F.

ANCHOR GROUNDING AGK1GGX

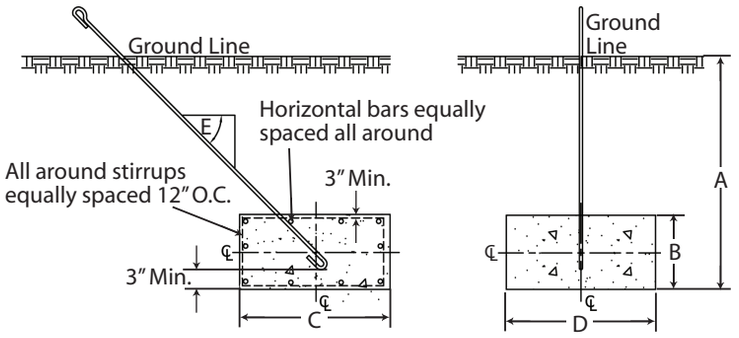


BASE GROUNDING BGK3GGX

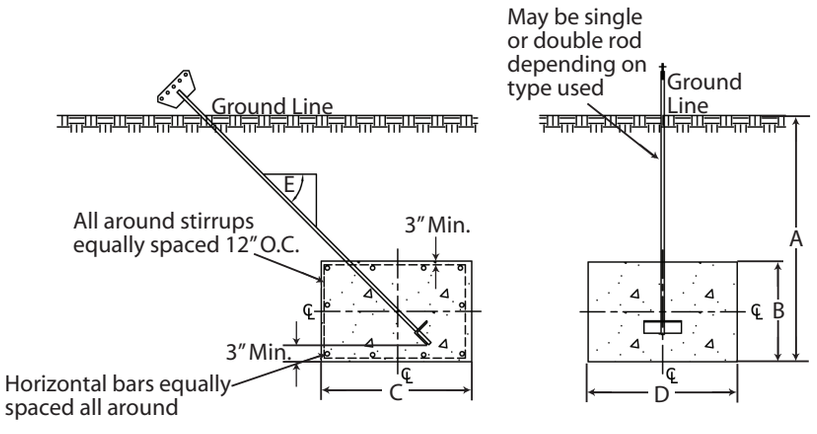


© 2010 ROHN PRODUCTS LLC

STANDARD DESIGN
ANCHOR BLOCKS



Anchor Detail for:
GAC30 & GAR30



Anchor Detail for:
GAC34, 56, 57 & 58

Block	Anchor Dimensions (in.)				Horizontal Bars (Qty. & Size)	Bar Spacing	Concrete Vol. (Cu. Yds.) Round Pier
	A	B	C	D			
AB1*	3′ - 0″	1′ - 0″	3′ - 0″	4′ - 0″	(4) #5 Bars, Top Layer (4) #5 Bars, Bottom Layer	10″ O.C.	0.44 Per Block 1.3 Total for 3
AB2*	4′ - 0″	1′ - 6″	4′ - 0″	6′ - 0″	(5) #6 Bars, Top Layer (5) #6 Bars, Bottom Layer	10.5″ O.C.	1.33 Per Block 4.0 Total for 3
AB3*	6′ - 0″	1′ - 6″	3′ - 0″	6′ - 0″	(4) #6 Bars, Top Layer (4) #6 Bars, Bottom Layer	10″ O.C.	1.0 Per Block 3.0 Total for 3
AB4**	6′ - 0″	1′ - 6″	4′ - 0″	9′ - 0″	(5) #6 Bars, Top Layer (5) #6 Bars, Bottom Layer	10.5″ O.C.	2.0 Per Block 6.0 Total for 3
AB5**	8′ - 0″	2′ - 0″	3′ - 0″	10′ - 0″	(4) #7 Bars, Top Layer (4) #7 Bars, Bottom Layer	10″ O.C.	2.22 Per Block 6.7 Total for 3
AB6**	8′ - 0″	2′ - 0″	4′ - 0″	10′ - 0″	(5) #7 Bars, Top Layer (5) #7 Bars, Bottom Layer	10.5″ O.C.	2.96 Per Block 8.9 Total for 3

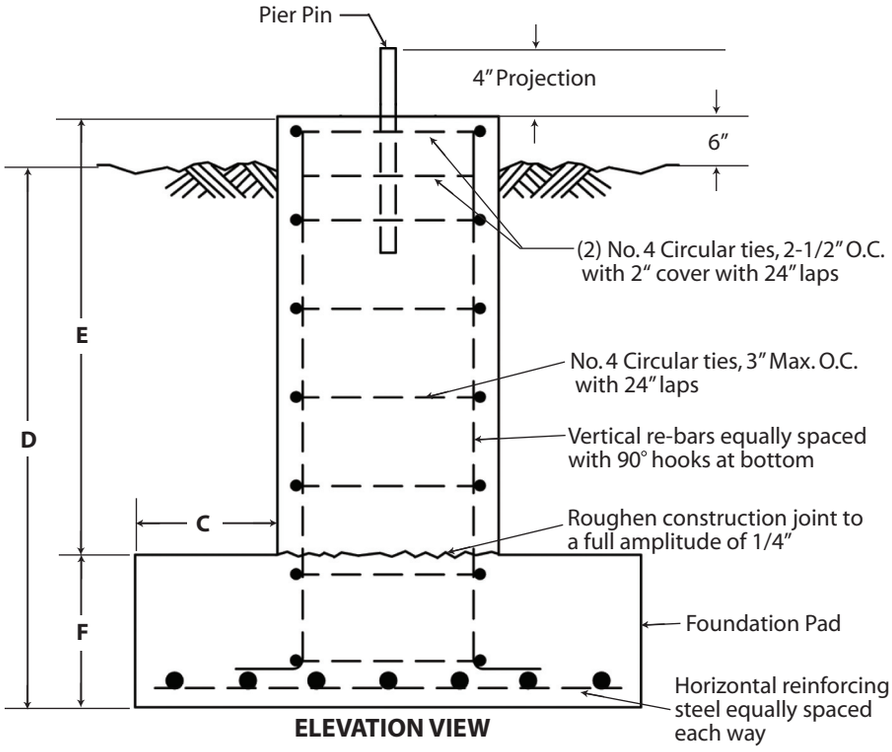
(See tower assembly drawing for anchor rod slope 'E')

NOTE:
1. Due to variables involved during installation, it shall be the customer's or installer's responsibility to provide structurally adequate supports for pier and anchor connections. It may also be necessary for the customer or installer to secure the service of a local engineer to determine that installation complies with local building codes.
2. Additional corrosion protection may be required for steel guy anchors in direct contact with soil.

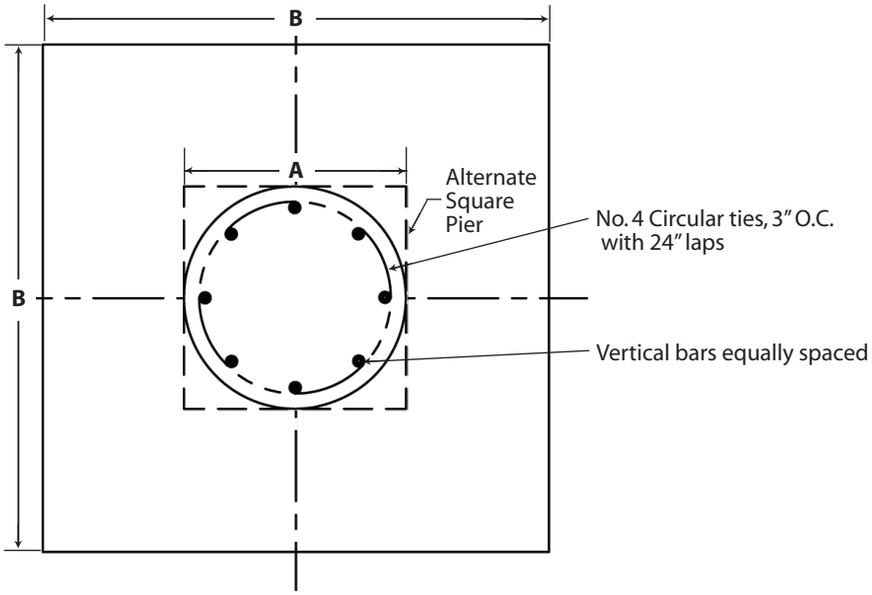
* #3 Stirrups equally spaced 12″ O.C.
** #4 Stirrups equally spaced 12″ O.C.

© 2010 ROHN PRODUCTS LLC

STANDARD BASE FOUNDATIONS



ELEVATION VIEW



PLAN VIEW

© 2010 ROHN PRODUCTS LLC

STANDARD BASE FOUNDATIONS
FOR 55G TOWERS

CB No.	A*	B	C	D	E	F	Concrete Vol. (Cu. Yds.) Round Pier	Vertical Bars (No. & Size)	Horiz. Bars in Pad** (No. & Size)
1G	2′ - 6″	2′ - 6″	0	4′ - 0″	0	0	0.80	(8) #7	NONE
2G	3′ - 0″	3′ - 0″	0	4′ - 0″	0	0	1.20	(10) #7	NONE
3G	3′ - 6″	3′ - 6″	0	4′ - 0″	0	0	1.60	(12) #7	NONE
4G	4′ - 0″	4′ - 0″	0	4′ - 0″	0	0	2.10	(12) #8	NONE
5G	2′ - 0″	4′ - 0″	1′ - 0″	4′ - 0″	3′ - 3″	1′ - 3″	1.10	(8) #6	(5) #5
6G	2′ - 0″	4′ - 6″	1′ - 3″	4′ - 0″	3′ - 3″	1′ - 3″	1.30	(8) #6	(6) #5
7G	2′ - 0″	5′ - 0″	1′ - 6″	4′ - 6″	3′ - 9″	1′ - 3″	1.60	(8) #6	(6) #5
8G	2′ - 0″	5′ - 6″	1′ - 9″	4′ - 6″	3′ - 9″	1′ - 3″	1.80	(8) #6	(7) #5
9G	2′ - 0″	6′ - 0″	2′ - 0″	4′ - 6″	3′ - 6″	1′ - 6″	2.40	(8) #6	(7) #6
10G	2′ - 0″	6′ - 6″	2′ - 3″	4′ - 6″	3′ - 6″	1′ - 6″	2.80	(8) #6	(8) #5
11G	2′ - 6″	7′ - 0″	2′ - 3″	5′ - 0″	3′ - 9″	1′ - 9″	3.90	(8) #7	(8) #6
12G	2′ - 6″	7′ - 6″	2′ - 6″	5′ - 0″	3′ - 9″	1′ - 9″	4.30	(8) #7	(9) #6
13G	2′ - 6″	8′ - 0″	2′ - 9″	5′ - 0″	3′ - 9″	1′ - 9″	4.80	(8) #7	(9) #6
14G	3′ - 0″	8′ - 6″	2′ - 9″	5′ - 0″	3′ - 6″	2′ - 0″	6.30	(12) #7	(9) #7
15G	3′ - 0″	9′ - 0″	3′ - 0″	5′ - 0″	3′ - 6″	2′ - 0″	6.90	(12) #7	(10) #7

NOTES:
1. See tower assembly drawing for foundation layout and part numbers for bearing plate and pier pin.
*2. Use minimum 2′ - 6″ sq. or 3′ - 0″ diameter round pier when BPC45G or BPC55G is used.
3. Vertical reinforcing steel shall be replaced with straight bars when no pad is required.
**4. Horizontal bars in chart refer only to the bars in the foundation pad (each way).

© 2010 ROHN PRODUCTS LLC