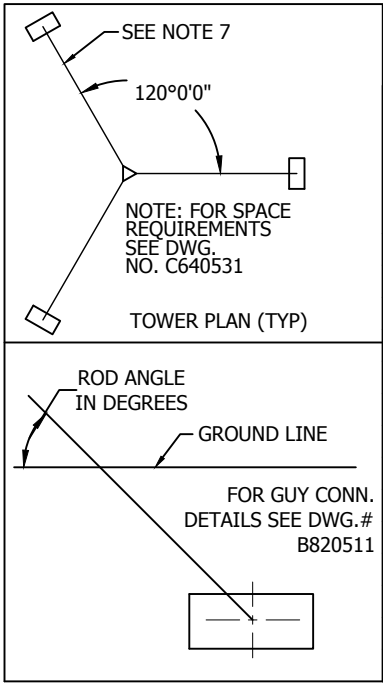


65G TOWER GUYING DETAILS
100' - 230'
90MPH 3-SECOND GUST WIND SPEED
NO ICE (REV G)
70 MPH FASTEST MILE WIND SPEED
NO ICE (REV F)



TOWER HT.	BASE PIER (DWG: B090549)		ANCHOR DATA (DWG: B090550)		
	NO.	BLOCK NO.	ROD NO.	ROD ANGLE	
100'	CB2G	AB2	GAC3455TOP	44	
110'	CB2G	AB2	GAC3455TOP	44	
120'	CB2G	AB2	GAC3455TOP	44	
130'	CB2G	AB2	GAC3455TOP	44	
140'	CB2G	AB2	GAC3455TOP	42	
150'	CB2G	AB2	GAC3455TOP	42	
160'	CB2G	AB3	GAC5655TOP	42	
170'	CB3G	AB3	GAC5655TOP	41	
180'	CB3G	AB3	GAC5655TOP	41	
190'	CB3G	AB3	GAC5655TOP	41	
200'	CB3G	AB3	GAC5655TOP	41	
210'	CB3G	AB3	GAC5655TOP	40	
220'	CB3G	AB3	GAC5655TOP	40	
230'	CB3G	AB3	GAC5655TOP	40	

GENERAL NOTES:

- TOWER DESIGNS ARE IN ACCORDANCE WITH ANSI/TIA-222-F & ANSI/TIA-222-G, CLASS I STRUCTURES.
- ALLOWABLE PROJ. AREA (SQ. FT.) FOR EXPOSURE B - (REV G).
- ALLOWABLE PROJ. AREA (SQ. FT.) FOR EXPOSURE C - (REV G).
- ALLOWABLE PROJ. AREA (SQ.FT.) - (REV F).
- EFFECTIVE PROJ. AREAS MUST NOT EXCEED THE AREAS SHOWN.
- ANTENNAS AND MOUNTS ARE ASSUMED SYMMETRICALLY PLACED AT THE TOWER TOP.
- DESIGNS ASSUME ONE 1/2" DIA. LINE ON EACH TOWER FACE.
- FOR GUY HARDWARE INSTALLATION DETAILS, SEE DWG. A871382.
- ANCHOR RADIUS IS FROM TOWER BASE TO INTERSECTION OF ROD WITH GROUND.
- TOWER DESIGNS AND GUY CHORD LENGTHS SHOWN ARE BASED ON LEVEL GROUND. ADD 6 PERCENT TO CHORD LENGTHS (FOR SAG AND CONNECTIONS) FOR FINAL CUT LENGTHS. () INDICATES INITIAL TENSION FOR GUY WIRES IN POUNDS AT 60 DEGREES FAHRENHEIT.
- DO NOT INSTALL OR DISMANTLE TOWERS WITHIN FALLING DISTANCE OF ELECTRICAL AND/OR TELEPHONE LINES.
- TOWER ERECTION AND DISMANTLING MUST BE DONE BY QUALIFIED AND EXPERIENCED PERSONNEL.
- TEMPORARY STEEL GUYS, WHEN REQUIRED DURING ERECTION OR DISMANTLING, MUST BE SUPPLIED AND INSTALLED BY THE ERECTOR.
- INSTALL WARNING PLATE (P/N: ACWS) IN A HIGHLY VISIBLE LOCATION.
- ALL ANTENNA INSTALLATIONS MUST BE GROUNDED IN ACCORDANCE WITH LOCAL AND NATIONAL CODES.
- EXTRA CABLE CLAMPS HAVE BEEN PROVIDED FOR TURNBUCKLE SAFETY REQUIREMENTS. FOR DETAILS SEE DWG. B680324 LATEST REVISION.
- PURCHASER SHALL VERIFY THE INSTALLATION IS IN CONFORMANCE WITH LOCAL, STATE AND FEDERAL REQUIREMENTS FOR OBSTRUCTION MARKING AND LIGHTING.
- TOLERANCE ON TOWER STEEL IS EQUAL TO PLUS 1% AND MINUS 1/2%.
- DESIGNS ASSUME THAT, AS A MINIMUM, MAINTENANCE AND INSPECTION WILL BE PERFORMED OVER THE LIFE OF THE STRUCTURE IN ACCORDANCE WITH ANSI/TIA/EIA-222-G.
- ANCHOR RODS CORROSION PROTECTION METHODS TO BE PROVIDED BY OTHERS.
- SECTION 65G (10'), WHEN USED, WILL BE LOCATED AT TOP OF TOWER.

FILE NO.		Standard-65G			
REVISIONS					
REV.	DESCRIPTION		DWN	CHK	APP
1	REVISED ANCHOR ROD ANGLES & ADDED ANCHOR DATA DRAWING NUMBERS DATE: Feb/19/2010		JWS	M.F	DWG
2	REMOVED "ANCHOR TOD SLOPE" NOTE DATE: May/05/2010		JWS	JDM	HA

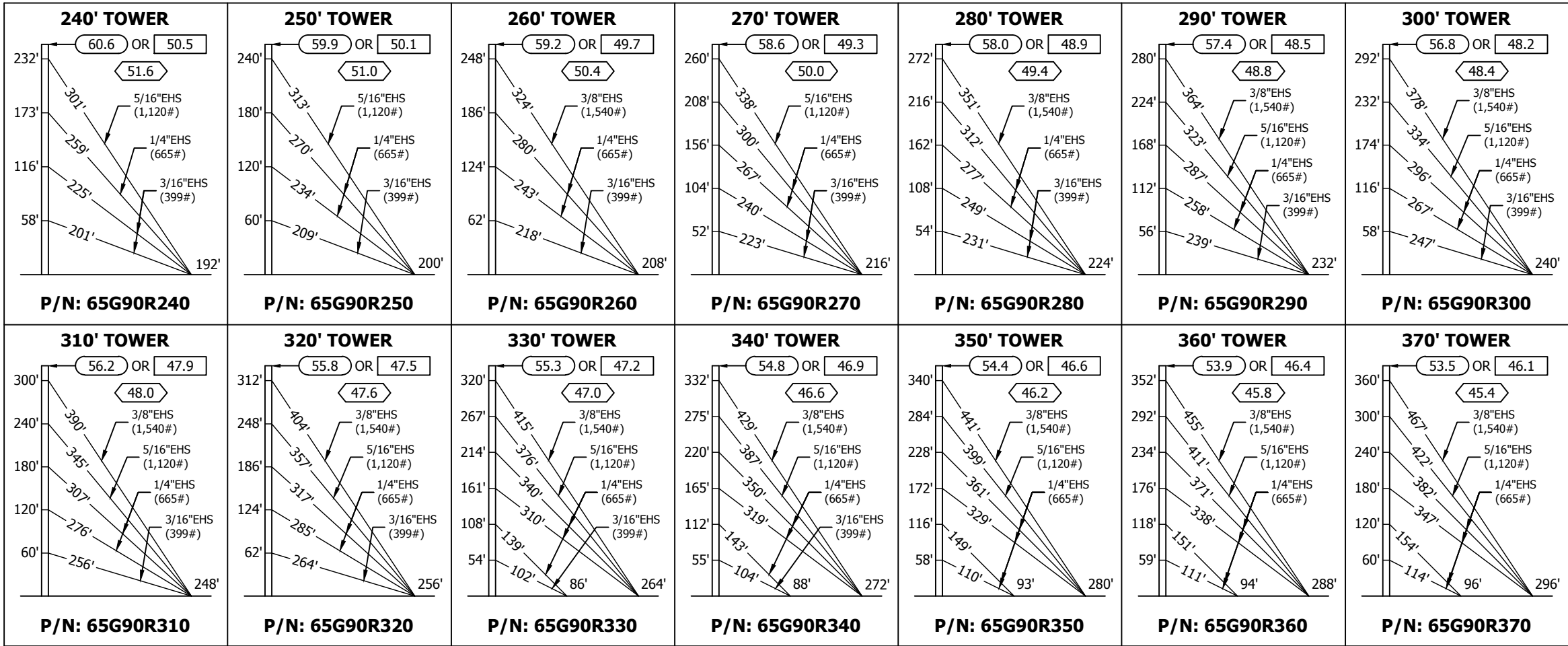
DWG REFERENCE	

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PEORIA, IL 61601-5999
TOLL FREE 800-727-ROHN

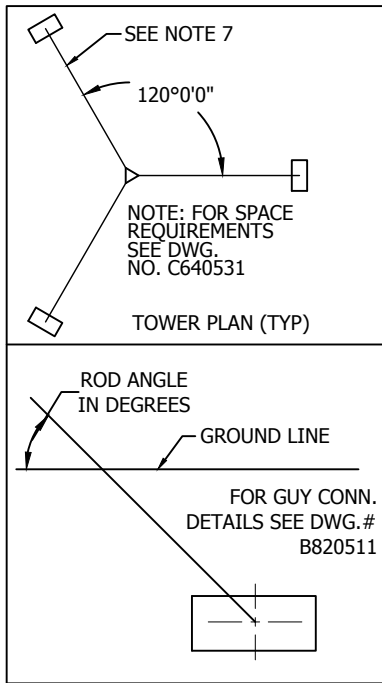
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SECTION ASSEMBLY
65G 90MPH 3-SECOND GUST NO ICE

DWN:	CHK'D:	DATE:
JWS	KTL	Jan/14/2010
ENGR:		
HA		
DRAWING NO:		REV:
DWG-0082-1		2



**65G TOWER GUYING DETAILS
240' - 370'
90MPH 3-SECOND GUST WIND SPEED
NO ICE (REV G)
70 MPH FASTEST MILE WIND SPEED
NO ICE (REV F)**



TOWER HT.	BASE PIER (DWG: B090549)	INNER ANCHOR DATA (DWG: B090550)			OUTER ANCHOR DATA (DWG: B090550)		
	NO.	BLOCK NO.	ROD NO.	ROD ANGLE	BLOCK NO.	ROD NO.	ROD ANGLE
240'	CB3G	AB3	GAC5655TOP	39			
250'	CB4G	AB3	GAC5655TOP	39			
260'	CB4G	AB4	GAC5655TOP	39			
270'	CB4G	AB4	GAC5655TOP	38			
280'	CB4G	AB4	GAC5655TOP	38			
290'	CB4G	AB4	GAC5655TOP	38			
300'	CB4G	AB4	GAC5655TOP	38			
310'	CB4G	AB4	GAC5655TOP	38			
320'	CB5G	AB4	GAC5655TOP	38			
330'	CB5G	AB2	GAC3455TOP	43	AB4	GAC5655TOP	43
340'	CB5G	AB2	GAC3455TOP	43	AB4	GAC5655TOP	43
350'	CB5G	AB2	GAC3455TOP	42	AB4	GAC5655TOP	43
360'	CB6G	AB2	GAC3455TOP	43	AB4	GAC5655TOP	43
370'	CB6G	AB2	GAC3455TOP	43	AB4	GAC5655TOP	43

GENERAL NOTES:

1. TOWER DESIGNS ARE IN ACCORDANCE WITH ANSI/TIA-222-F & ANSI/TIA-222-G, CLASS I STRUCTURES.
2. ALLOWABLE PROJ. AREA (SQ. FT.) FOR EXPOSURE B - (REV G).
3. ALLOWABLE PROJ. AREA (SQ. FT.) FOR EXPOSURE C - (REV G).
4. ALLOWABLE PROJ. AREA (SQ.FT.) - (REV F).
3. EFFECTIVE PROJ. AREAS MUST NOT EXCEED THE AREAS SHOWN.
4. ANTENNAS AND MOUNTS ARE ASSUMED SYMMETRICALLY PLACED AT THE TOWER TOP.
5. DESIGNS ASSUME ONE 1/2" DIA. LINE ON EACH TOWER FACE.
6. FOR GUY HARDWARE INSTALLATION DETAILS, SEE DWG. A871382.
7. ANCHOR RADIUS IS FROM TOWER BASE TO INTERSECTION OF ROD WITH GROUND.
8. TOWER DESIGNS AND GUY CHORD LENGTHS SHOWN ARE BASED ON LEVEL GROUND. ADD 6 PERCENT TO CHORD LENGTHS (FOR SAG AND CONNECTIONS) FOR FINAL CUT LENGTHS. () INDICATES INITIAL TENSION FOR GUY WIRES IN POUNDS AT 60 DEGREES FAHRENHEIT.
9. DO NOT INSTALL OR DISMANTLE TOWERS WITHIN FALLING DISTANCE OF ELECTRICAL AND/OR TELEPHONE LINES.
10. TOWER ERECTION AND DISMANTLING MUST BE DONE BY QUALIFIED AND EXPERIENCED PERSONNEL.
11. TEMPORARY STEEL GUYS, WHEN REQUIRED DURING ERECTION OR DISMANTLING, MUST BE SUPPLIED AND INSTALLED BY THE ERECTOR.
12. INSTALL WARNING PLATE (P/N: ACWS) IN A HIGHLY VISIBLE LOCATION.
13. ALL ANTENNA INSTALLATIONS MUST BE GROUNDED IN ACCORDANCE WITH LOCAL AND NATIONAL CODES.
14. EXTRA CABLE CLAMPS HAVE BEEN PROVIDED FOR TURNBUCKLE SAFETY REQUIREMENTS. FOR DETAILS SEE DWG. B680324 LATEST REVISION.
15. PURCHASER SHALL VERIFY THE INSTALLATION IS IN CONFORMANCE WITH LOCAL, STATE AND FEDERAL REQUIREMENTS FOR OBSTRUCTION MARKING AND LIGHTING.
16. TOLERANCE ON TOWER STEEL IS EQUAL TO PLUS 1% AND MINUS 1/2%.
17. DESIGNS ASSUME THAT, AS A MINIMUM, MAINTENANCE AND INSPECTION WILL BE PERFORMED OVER THE LIFE OF THE STRUCTURE IN ACCORDANCE WITH ANSI/TIA/EIA-222-G.
18. ANCHOR RODS CORROSION PROTECTION METHODS TO BE PROVIDED BY OTHERS.
19. SECTION 65G (10'), WHEN USED, WILL BE LOCATED AT TOP OF TOWER.

FILE NO.

Standard-65G

REVISIONS

REV.	DESCRIPTION	DWN	CHK	APP
1	REVISED ANCHOR ROD ANGLES & ADDED ANCHOR DATA DRAWING NUMBERS DATE: Feb/19/2010	JWS	M.F	DWG
2	REMOVED "ANCHOR ROD SLOPE" NOTE DATE: May/05/2010	JWS	JDM	HA

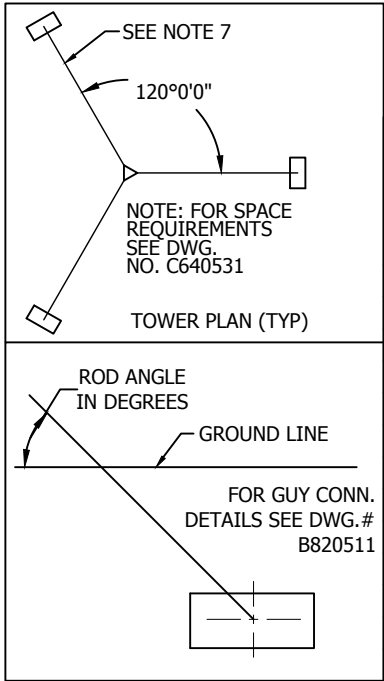
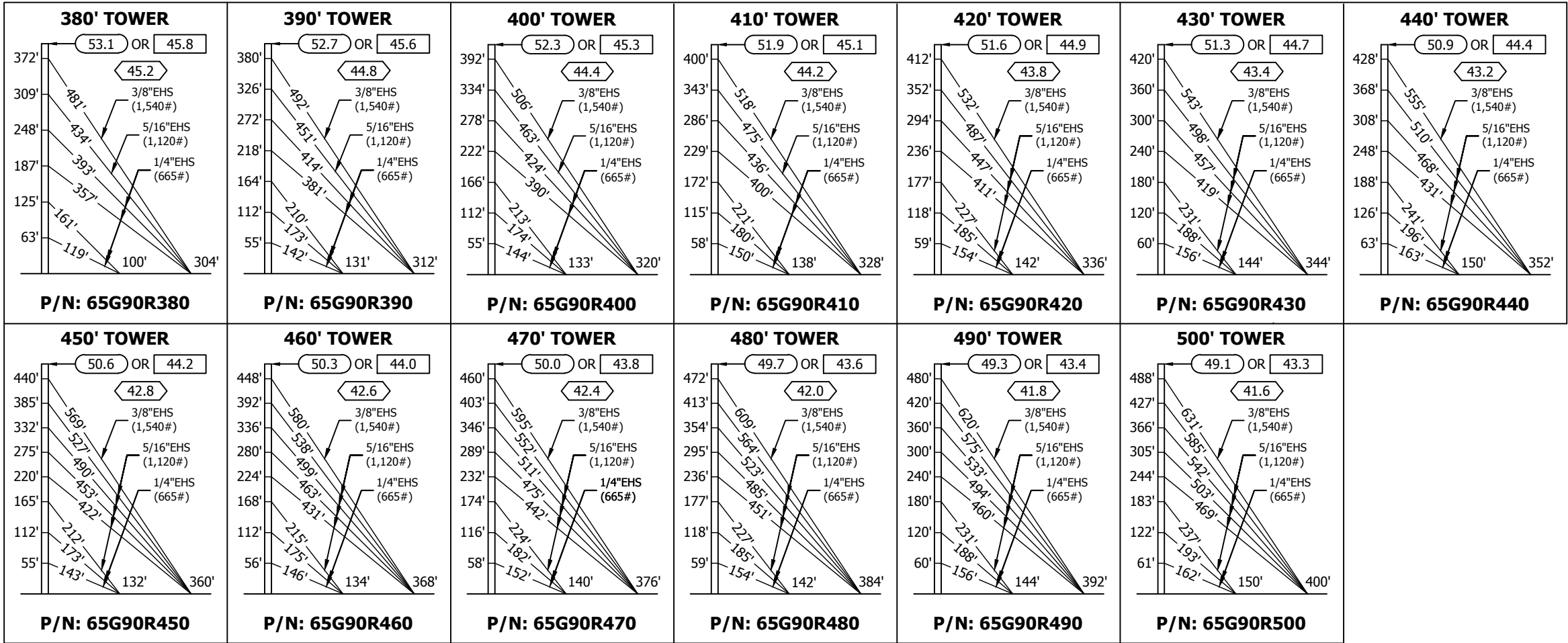
DWG REFERENCE

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SECTION ASSEMBLY
65G 90MPH 3-SECOND GUST NO ICE

DWN: JWS	CHK'D: KTL	DATE: Jan/14/2010
ENGR: HA		
DRAWING NO: DWG-0082-2		REV: 2



65G TOWER GUYING DETAILS
380' - 500'
90MPH 3-SECOND GUST WIND SPEED
NO ICE (REV G)
70 MPH FASTEST MILE WIND SPEED
NO ICE (REV F)

TOWER HT.	BASE PIER (DWG: B090549)	INNER ANCHOR DATA (DWG: B090550)			OUTER ANCHOR DATA (DWG: B090550)		
	NO.	BLOCK NO.	ROD NO.	ROD ANGLE	BLOCK NO.	ROD NO.	ROD ANGLE
380'	CB6G	AB2	GAC3455TOP	43	AB4	GAC5655TOP	43
390'	CB6G	AB2	GAC3455TOP	40	AB4	GAC5655TOP	44
400'	CB6G	AB2	GAC3455TOP	40	AB4	GAC5655TOP	44
410'	CB6G	AB2	GAC3455TOP	40	AB4	GAC5655TOP	44
420'	CB6G	AB3	GAC5655TOP	40	AB4	GAC5655TOP	43
430'	CB6G	AB3	GAC5655TOP	40	AB4	GAC5655TOP	43
440'	CB7G	AB3	GAC5655TOP	40	AB4	GAC5655TOP	43
450'	CB7G	AB3	GAC5655TOP	40	AB5	GAC5755TOP	42
460'	CB7G	AB3	GAC5655TOP	40	AB5	GAC5755TOP	42
470'	CB7G	AB3	GAC5655TOP	40	AB5	GAC5755TOP	42
480'	CB7G	AB3	GAC5655TOP	40	AB5	GAC5755TOP	42
490'	CB7G	AB3	GAC5655TOP	40	AB5	GAC5755TOP	42
500'	CB7G	AB3	GAC5655TOP	39	AB5	GAC5755TOP	42

GENERAL NOTES:

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- ALLOWABLE PROJ. AREA (SQ. FT.) FOR EXPOSURE C - (REV G).
- ALLOWABLE PROJ. AREA (SQ.FT.) - (REV F).
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- FOR GUY HARDWARE INSTALLATION DETAILS, SEE DWG. A871382.
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- SECTION 65G (10'), WHEN USED, WILL BE LOCATED AT TOP OF TOWER.

FILE NO.

Standard-65G

REVISIONS

REV.	DESCRIPTION	DWN	CHK	APP
1	REVISED ANCHOR ROD ANGLES & ADDED ANCHOR DATA DRAWING NUMBERS DATE: Feb/19/2010	JWS	M.F	DWG
2	REMOVED "ANCHOR ROD SLOPE" NOTE DATE: May/05/2010	JWS	JDM	HA

DWG REFERENCE


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SECTION ASSEMBLY
65G 90MPH 3-SECOND GUST NO ICE

DWN: JWS	CHK'D: KTL	DATE: Jan/14/2010
ENGR: HA		
DRAWING NO: DWG-0082-3	REV: 2	

FILE NO.				
Standard-SSV				
REVISIONS				
REV.	DESCRIPTION	DWN	CHK	APP
8	REDRAWN TO AUTOCAD DATE: Jul/17/2006	JDA	JDM	H.A
DWG REFERENCE				
<div><div></div><div>6718 WEST PLANK ROAD PEORIA, IL 61604 TOLL FREE 800-727-ROHN</div></div>				
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FOUNDATION & ANCHOR TOLERANCE				
DWN:	CHK'D:	DATE:		
CSR	CTL	Sep/25/1987		
ENG'R:				
XK				
DRAWING NO:				REV:
A810214				8

STANDARD FOUNDATION NOTES
ANSI/TIA-222-G

1. STANDARD FOUNDATION DESIGNS ARE IN ACCORDANCE WITH ANSI/TIA-222-G, "STRUCTURAL STANDARDS FOR STEEL ANTENNA TOWERS AND ANTENNA SUPPORTING STRUCTURES", SECTION 9 AND ANNEX F FOR THE FOLLOWING PRESUMPTIVE CLAY SOIL PARAMETERS:

N (blows/ft) [blows/m]	Φ (deg)	Y (lb/ft3) [kN/m3]	C (psf) [kPa]	Ultimate Bearing (psf) [kPa]		Ultimate Skin Friction (psf) [kPa]	k (pci) [kN/m3]	ϵ_{50}
				Shallow Fnds.	Deep Fnds.			
8 [26]	0	110 [17]	1000 [48]	5000 [240]	9000 [431]	500 [24]	150 [41,000]	0.01

2. THE PURCHASER MUST VERIFY THAT ACTUAL SITE SOIL PARAMETERS MEET OR EXCEED ANSI/TIA-222-G PRESUMPTIVE CLAY SOIL DESIGN PARAMETERS AND THAT THE PENETRATION AND/OR ZONE OF SEASONAL MOISTURE VARIATION AT THE SITE. FOUNDATION DESIGN MODIFICATIONS MAY BE REQUIRED IN THE EVENT PRESUMPTIVE CLAY SOIL PARAMETERS ARE NOT APPLICABLE FOR THE ACTUAL SUBSURFACE CONDITIONS ENCOUNTERED.
3. A SITE-SPECIFIC INVESTIGATION IS REQUIRED FOR CLASS III STRUCTURES IN ACCORDANCE WITH ANSI/TIA-222-G.
4. FOUNDATION DESIGNS ASSUME FIELD INSPECTIONS WILL BE PERFORMED BY THE PURCHASER'S REPRESENTATIVE TO VERIFY THAT CONSTRUCTION MATERIALS, INSTALLATION METHODS AND ASSUMED DESIGN PARAMETERS ARE ACCEPTABLE BASED ON THE CONDITIONS EXISTING AT THE SITE.
5. WORK SHALL BE IN ACCORDANCE WITH LOCAL CODES, SAFETY REGULATIONS AND UNLESS OTHERWISE NOTED, THE LATEST REVISION OF ACI 318, "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE". PROCEDURES FOR THE PROTECTION OF EXCAVATIONS, EXISTING CONSTRUCTION AND UTILITIES SHALL BE ESTABLISHED PRIOR TO FOUNDATION INSTALLATION.
6. CONCRETE MATERIALS SHALL CONFORM TO THE APPROPRIATE STATE REQUIREMENTS FOR EXPOSED STRUCTURAL CONCRETE.
7. PROPORTIONS OF CONCRETE MATERIALS SHALL BE SUITABLE FOR THE INSTALLATION METHOD UTILIZED AND SHALL RESULT IN DURABLE CONCRETE FOR RESISTANCE TO LOCAL ANTICIPATED AGGRESSIVE ACTIONS. THE DURABILITY REQUIREMENT OF ACI 318 CHAPTER 4 SHALL BE SATISFIED BASED ON THE CONDITIONS EXPECTED AT THE SITE. AS A MINIMUM, CONCRETE SHALL DEVELOP A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI (27.6 MPa) IN 28 DAYS.
8. MAXIMUM SIZE OF AGGREGATE SHALL NOT EXCEED SIZE SUITABLE FOR INSTALLATION METHOD UTILIZED OR 1/3 CLEAR DISTANCE BEHIND OR BETWEEN REINFORCING. MAXIMUM SIZE MAY BE INCREASED TO 2/3 CLEAR DISTANCE PROVIDED WORKABILITY AND METHODS OF CONSOLIDATION SUCH AS VIBRATING WILL PREVENT HONEYCOMBS OR VOIDS.
9. REINFORCEMENT SHALL BE DEFORMED AND CONFORM TO THE REQUIREMENTS OF ASTM A615 GRADE 60 UNLESS OTHERWISE NOTED. SPLICES IN REINFORCEMENT SHALL NOT BE ALLOWED UNLESS OTHERWISE INDICATED.
10. REINFORCING CAGES SHALL BE BRACED TO RETAIN PROPER DIMENSIONS DURING HANDLING, THROUGHOUT PLACEMENT OF CONCRETE AND DURING EXTRACTION OF TEMPORARY CASING.
11. WELDING IS PROHIBITED ON REINFORCING STEEL AND EMBEDMENTS.

12. MINIMUM CONCRETE COVER FOR REINFORCEMENT SHALL BE 3 INCHES (76 mm) UNLESS OTHERWISE NOTED. APPROVED SPACERS SHALL BE USED TO INSURE A 3 INCH (76 mm) MINIMUM COVER ON REINFORCEMENT. CONCRETE COVER FROM TOP OF FOUNDATION TO ENDS OF VERTICAL REINFORCEMENT SHALL NOT EXCEED 3 INCHES (76 mm) NOR BE LESS THAN 2 INCHES (51 mm).
13. SPACERS SHALL BE ATTACHED INTERMITTENTLY THROUGHOUT THE ENTIRE LENGTH OF VERTICAL REINFORCING CAGES TO INSURE CONCENTRIC PLACEMENT OF CAGES IN EXCAVATIONS.
14. FOUNDATION DESIGNS ASSUME STRUCTURAL BACKFILL TO BE COMPACTED IN 8 INCH (200 mm) MAXIMUM LAYERS TO 95% OF MAXIMUM DRY DENSITY AT OPTIMUM MOISTURE CONTENT IN ACCORDANCE WITH ASTM D698. ADDITIONALLY, STRUCTURAL BACKFILL MUST HAVE A MINIMUM COMPACTED UNIT WEIGHT OF 100 POUNDS PER CUBIC FOOT (16 kN/m3).
15. FOUNDATION DESIGNS ASSUME LEVEL GRADE AT THE SITE.
16. FOUNDATION INSTALLATION SHALL BE SUPERVISED BY PERSONNEL KNOWLEDGEABLE AND EXPERIENCED WITH THE PROPOSED FOUNDATION TYPE. CONSTRUCTION SHALL BE IN ACCORDANCE WITH GENERALLY ACCEPTED INSTALLATION PRACTICES.
17. FOR FOUNDATION AND ANCHOR TOLERANCES SEE DRAWING A810214.
18. LOOSE MATERIAL SHALL BE REMOVED FROM BOTTOM OF EXCAVATION PRIOR TO CONCRETE PLACEMENT. SIDES OF EXCAVATION SHALL BE ROUGH AND FREE OF LOOSE CUTTINGS.
19. CONCRETE SHALL BE PLACED IN A MANNER THAT WILL PREVENT SEGREGATION OF CONCRETE MATERIALS, INFILTRATION OF WATER OR SOIL AND OTHER OCCURRENCES WHICH MAY DECREASE THE STRENGTH OR DURABILITY OF THE FOUNDATION.
20. FREE FALL CONCRETE MAY BE USED PROVIDED FALL IS VERTICAL DOWN WITHOUT HITTING SIDES OF EXCAVATION, FORMWORK, REINFORCING BARS, FORM TIES, CAGE BRACING OR OTHER OBSTRUCTIONS. UNDER NO CIRCUMSTANCES SHALL CONCRETE FALL THROUGH WATER.
21. CONCRETE SHALL BE PLACED AGAINST UNDISTURBED SOIL EXCEPT FOR PIERS OR PIER AND PAD FOUNDATIONS. FORMS FOR PIERS SHALL BE REMOVED PRIOR TO PLACING STRUCTURAL BACKFILL.
22. CONSTRUCTION JOINTS, IF REQUIRED IN PIER MUST BE AT LEAST 12 INCHES (305 mm) BELOW BOTTOM OF EMBEDMENTS AND MUST BE INTENTIONALLY ROUGHENED TO A FULL AMPLITUDE OF 1/4 INCH (6 mm). FOUNDATION DESIGN ASSUMES NO OTHER CONSTRUCTION JOINTS.
23. CASING, IF USED, SHALL NOT BE LEFT IN PLACE. EQUIPMENT, PROCEDURES, AND PROPORTIONS OF CONCRETE MATERIALS SHALL INSURE CONCRETE WILL NOT BE ADVERSELY DISTURBED UPON CASING REMOVAL. DRILLING FLUID, IF USED, SHALL BE FULLY DISPLACED BY CONCRETE AND SHALL NOT BE DETRIMENTAL TO CONCRETE OR SURROUNDING SOIL. CONTAMINATED CONCRETE SHALL BE REMOVED FROM TOP OF FOUNDATION AND REPLACED WITH FRESH CONCRETE.
24. TOP OF FOUNDATION SHALL BE SLOPED TO DRAIN WITH A FLOATED FINISHED. EXPOSED EDGES OF CONCRETE SHALL BE CHAMFERED 3/4" X 3/4" (19 mm X 19 mm) MINIMUM.
25. FOR ANCHOR BLOCK TYPE FOUNDATIONS, FOR GUYED TOWERS, ADDITIONAL CORROSION PROTECTION MAY BE REQUIRED FOR STEEL GUY ANCHORS IN DIRECT CONTACT WITH SOIL. DESIGN ASSUMES PERIODIC INSPECTIONS WILL BE PERFORMED OVER THE LIFE OF THE STRUCTURE TO DETERMINE IF ADDITIONAL ANCHOR CORROSION PROTECTION MEASURES MUST BE IMPLEMENTED BASED ON OBSERVED SITE-SPECIFIC CONDITIONS.

FILE NO.

REVISIONS

REV.	DESCRIPTION	DWN	CHK	APP
1	REVISED NOTES AND DESCRIPTION DATE: 6/8/2012	JEC	JDM	HA

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ANSI/TIA-222-G
STANDARD FOUNDATION NOTES

DWN:	CHK'D:	DATE:
FAD	HA	Nov/20/2009
ENG'R:	SHEET #:	
HA	1 OF 1	
PRJ. ENG'R:	PRJ. MANG'R:	
DRAWING NO:		REV:
B090548		1

The diagram shows a circular cross-section of a beam with a central hole. The outer diameter is labeled B and the inner diameter is labeled A . The beam is supported by a vertical wall on the left. A vertical arrow points downwards from the top surface of the beam, indicating a downward force or displacement. The central hole is marked with a \oplus symbol.

Diagram illustrating the components and dimensions of a pier pin assembly:

- PIER PIN**: The central vertical component.
- BEARING PLATE (IF REQUIRED)**: A plate at the top of the pier pin.
- 4" PROJ.**: Dimension indicating the projection of the bearing plate.
- G.L.**: Ground Level, indicated by a hatched area.
- A**: Dimensions indicating the height of the pier pin above the ground level.
- C**: Dimension indicating the width of the pier pin.
- D**: Total height dimension from the base to the top of the pier pin.
- E**: Height dimension from the ground level to the top of the pier pin.
- F**: Height dimension from the base to the ground level.

ELEVATION VIEW

CB NO.	TOWER BASE REACTION (LBS)	DIMENSIONS						BEARING PLATE	CONC. (CU. YDS RD PIER)	VERTICAL BARS (NO. & SIZE)	HORIZ. BARS IN PAD (NO. & SIZE)
		* A	B	C	D	E	F				
1G	12,000	2'-6"	2'-6"	0	4'-0"	0	0	BP6	0.80	8 NO. 7	NONE
2G	17,000	3'-0"	3'-0"	0	4'-0"	0	0	BP6	1.20	10 NO. 7	NONE
3G	23,000	3'-6"	3'-6"	0	4'-0"	0	0	BP6	1.60	12 NO. 7	NONE
4G	30,000	4'-0"	4'-0"	0	4'-0"	0	0	BP6	2.10	12 NO. 8	NONE
5G	38,000	2'-0"	4'-0"	1'-0"	4'-0"	3'-3"	1'-3"	BP6	1.10	8 NO. 6	5 NO. 5
6G	48,000	2'-0"	4'-6"	1'-3"	4'-0"	3'-3"	1'-3"	BP6	1.30	8 NO. 6	6 NO. 5
7G	58,000	2'-0"	5'-0"	1'-6"	4'-6"	3'-9"	1'-3"	BP10	1.60	8 NO. 6	6 NO. 5
8G	71,000	2'-0"	5'-6"	1'-9"	4'-6"	3'-9"	1'-3"	BP10	1.80	8 NO. 6	7 NO. 5
9G	84,000	2'-0"	6'-0"	2'-0"	4'-6"	3'-6"	1'-6"	BP10	2.40	8 NO. 6	7 NO. 6
10G	99,000	2'-0"	6'-6"	2'-3"	4'-6"	3'-6"	1'-6"	BP10	2.80	8 NO. 6	8 NO. 5
11G	111,000	2'-6"	7'-0"	2'-3"	5'-0"	3'-9"	1'-9"	BP15	3.90	8 NO. 7	8 NO. 6
12G	127,000	2'-6"	7'-6"	2'-6"	5'-0"	3'-9"	1'-9"	BP15	4.30	8 NO. 7	9 NO. 6
13G	145,000	2'-6"	8'-0"	2'-9"	5'-0"	3'-9"	1'-9"	BP15	4.80	8 NO. 7	9 NO. 6
14G	162,000	3'-0"	8'-6"	2'-9"	5'-0"	3'-6"	2'-0"	BP15	6.30	12 NO. 7	9 NO. 7
15G	182,000	3'-0"	9'-0"	3'-0"	5'-0"	3'-6"	2'-0"	BP15	6.90	12 NO. 7	10 NO. 7

Diagram illustrating a circular structure, possibly a cell or a microorganism, with a dashed square boundary and a solid circle. A line points to the left side of the circle.

SECTION A

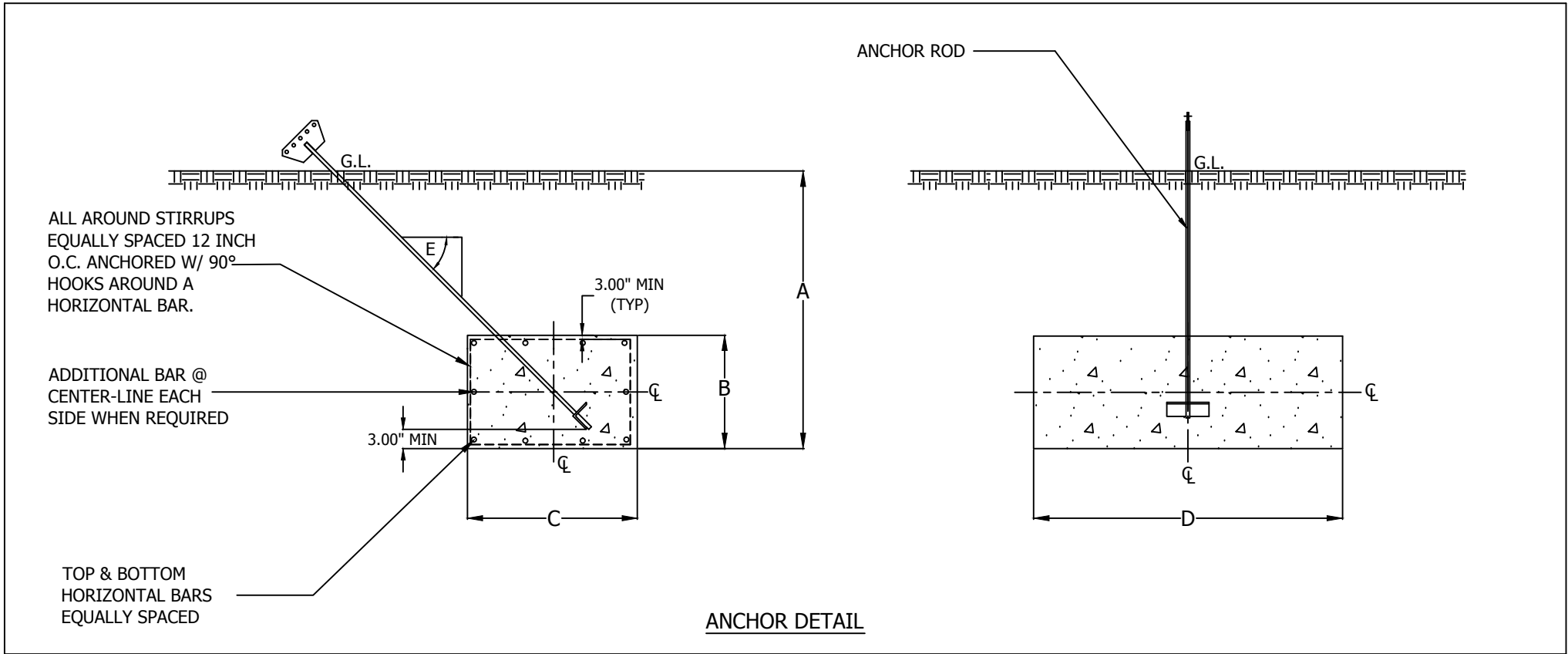
Diagram illustrating a circular structure, possibly a cell or a microorganism, with a dashed square boundary and a solid circle. A line points to the left side of the circle.

1. SEE TOWER ASSEMBLY DRAWING FOR FOUNDATION LAYOUT AND PART NUMBERS FOR BEARING PLATE & PIER PIN.
2. SEE DRAWING NUMBER B090548 FOR STANDARD FOUNDATION NOTES.
- ★3. USE MIN. 2'-6" SQ. OR 3'-0" DIA. ROUND PIER WHEN BPC45G OR BPC55G IS USED.
4. VERTICAL REINFORCING STEEL SHALL BE REPLACED WITH STRAIGHT BARS WHEN NO PAD IS REQUIRED.
5. HORIZ. BARS IN CHART REFER ONLY TO THE BARS IN THE FOUNDATION PAD.

DRAWING NO:	REV:
B090549	0

Jul/23/2010 3:50:53 PM

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CONCRETE ANCHOR BLOCK DATA FOR ANSI/TIA-222-G PRESUMPTIVE CLAY SOIL									
BLOCK	ANCHOR DIMENSIONS (IN.)				HORIZONTAL BARS QTY./SIZE	STIRRUPS SIZE & SPACING	CONCRETE VOL. (CU. YDS.)	UPLIFT CAPACITY(LBS)	LATERAL CAPACITY(LBS)
	A	B	C	D					
AB1	3'-0"	1'-0"	3'-0"	4'-0"	(8) #5 BARS TOTAL (4) #5 BARS TOP AND BOTTOM LAYERS (0) ADDITIONAL BAR EACH SIDE	#3 @ 12" O.C.	0.44 PER BLOCK 1.3 TOTAL FOR 3	4,800	2,150
AB2	4'-0"	1'-6"	4'-0"	6'-0"	(10) #6 BARS TOTAL (5) #6 BARS TOP AND BOTTOM LAYERS (0) ADDITIONAL BAR EACH SIDE	#3 @ 12" O.C.	1.33 PER BLOCK 4.0 TOTAL FOR 3	12,600	6,480
AB3	6'-0"	1'-6"	3'-0"	6'-0"	(8) #6 BARS TOTAL (4) #6 BARS TOP AND BOTTOM LAYERS (0) ADDITIONAL BAR EACH SIDE	#3 @ 12" O.C.	1.0 PER BLOCK 3.0 TOTAL FOR 3	18,700	10,500
AB4	6'-0"	1'-6"	4'-0"	9'-0"	(10) #6 BARS TOTAL (5) #6 BARS TOP AND BOTTOM LAYERS (0) ADDITIONAL BAR EACH SIDE	#4 @ 12" O.C.	2.0 PER BLOCK 6.0 TOTAL FOR 3	32,500	15,800
AB5	8'-0"	2'-0"	3'-0"	10'-0"	(10) #7 BARS TOTAL (4) #7 BARS TOP AND BOTTOM LAYERS (1) ADDITIONAL BAR EACH SIDE	#4 @ 12" O.C.	2.22 PER BLOCK 6.7 TOTAL FOR 3	43,000	21,000
AB6	8'-0"	2'-0"	4'-0"	10'-0"	(12) #7 BARS TOTAL (5) #7 BARS TOP AND BOTTOM LAYERS (1) ADDITIONAL BAR EACH SIDE	#4 @ 12" O.C.	2.96 PER BLOCK 8.9 TOTAL FOR 3	52,000	26,500

(SEE TOWER ASSEMBLY DRAWING FOR ANCHOR ROD SLOPE 'E'.)

GENERAL NOTES

1. SEE DRAWING NUMBER B090548 FOR STANDARD FOUNDATION NOTES.
2. ALL HORIZONTAL BARS MUST BE CONTINUOUS.
3. DUE TO VARIABLES INVOLVED DURING INSTALLATION, IT SHALL BE THE CUSTOMER'S OR INSTALLER'S RESPONSIBILITY TO PROVIDE STRUCTURALLY ADEQUATE SUPPORTS FOR BASE 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.
4. ADDITIONAL CORROSION PROTECTION MAY BE REQUIRED FOR STEEL GUY ANCHORS IN DIRECT CONTACT WITH SOIL.

FILE NO. STDPUBLIC				
REVISIONS				
REV.	DESCRIPTION	DWN	CHK	APP
1	AB6 ADDED DATE: Dec/21/2009	FAD	HA	HA
2	SLOPE 'E' NOTES CHANGED DATE: Jan/21/2010	fdm	HA	HA
3	UPDATED LAYOUT DATE: Jul/23/2010	FAD	HA	HA

DWG REFERENCE	

ROHN
PRODUCTS

6718 WEST PLANK ROAD
PEORIA, IL 61604
TOLL FREE 800-727-ROHN

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FOUNDATION
ANCHOR BLOCK REV. G PRESUMPTIVE CLAY

DWN: FAD

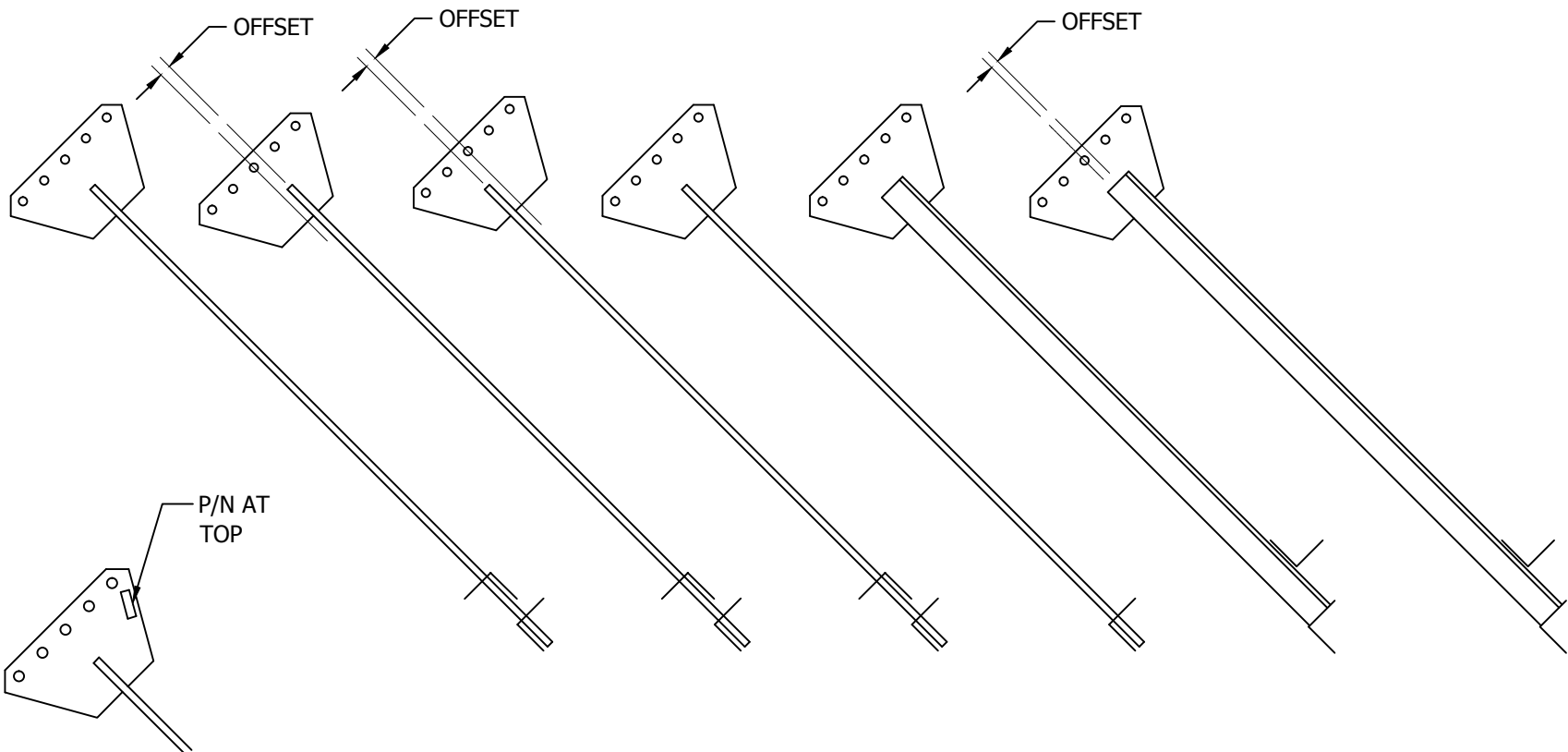
CHK'D: HA

DATE: Nov/24/2009

ENGR: HA

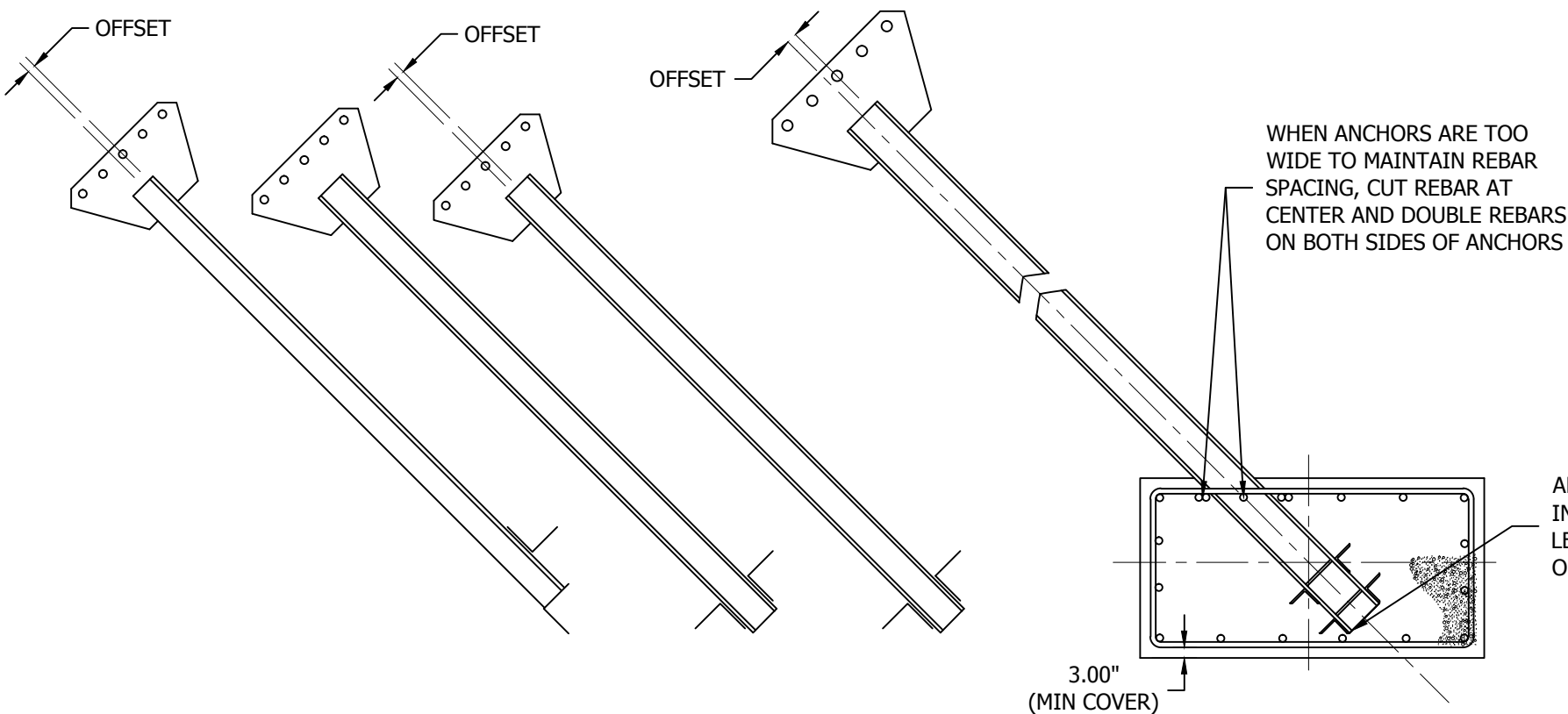
DRAWING NO:
B090550

REV:
3



TYPICAL DETAIL

NOTE:
INSTALL ANCHORS IN BLOCKS WITH EMBEDMENT
ANGLES ORIENTED AS SHOWN AND WITH P/N AT
TOP AS SHOWN.



FILE NO. Standard-80				
REVISIONS				
REV.	DESCRIPTION	DWN	CHK	APP
2	REDRAWN IN AUTOCAD DATE: Mar/22/2006	M.F	JDM	H.A
3	ADDED ANCHOR INSERTION NOTE TO BLOCK DETAIL DATE: Oct/15/2010	JWS	H.A	HA

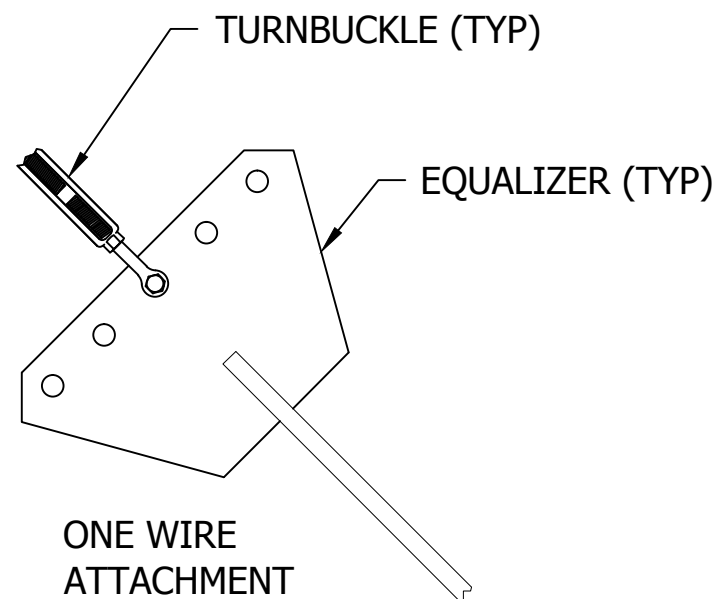
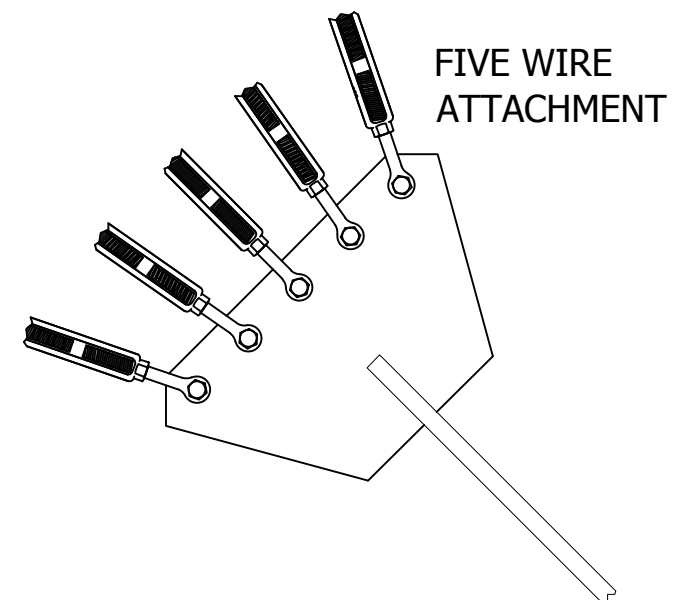
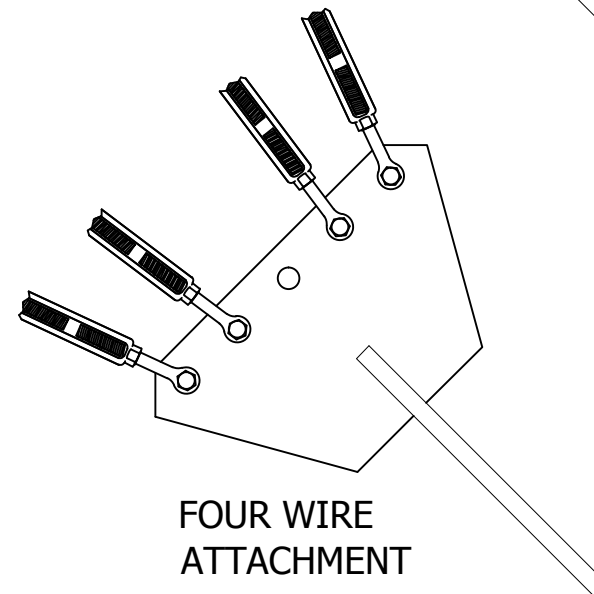
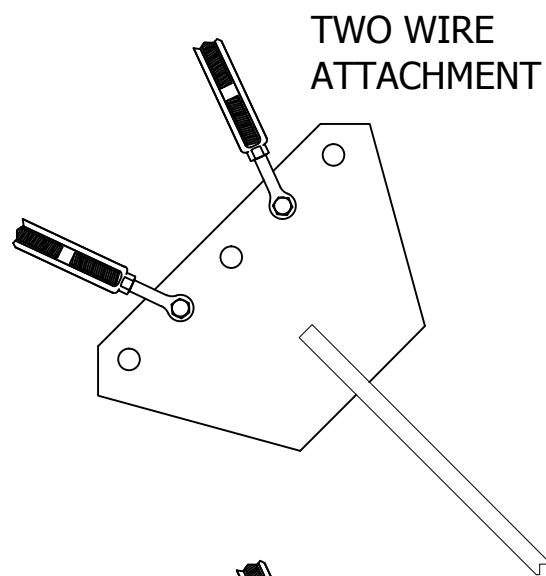
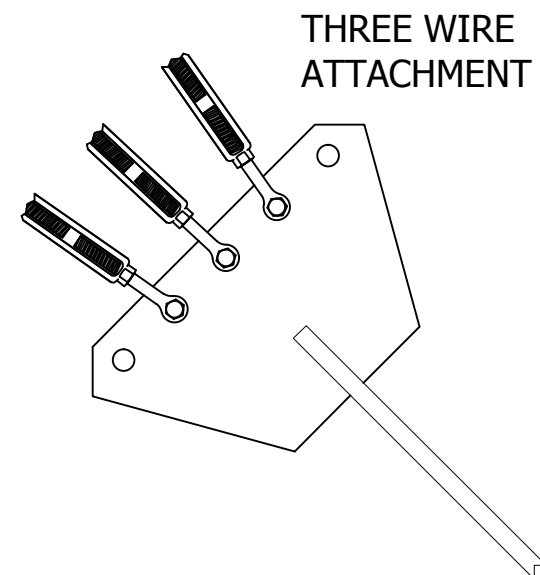
DWG REFERENCE	

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ANCHOR INSTALLATION DETAIL
ANCHOR INSTALLATION DETAIL

DWN: B_N	CHK'D: WDU	DATE: Mar/22/1995
ENG'R: TWS		
DRAWING NO: A951409	REV: 3	



NOTE: SEE TOWER ASSEMBLY DRAWING
FOR SIZE AND QTY OF TURNBUCKLES
REQUIRED.

FILE NO.	
----------	--

Standard-80

REVISIONS

REV.	DESCRIPTION	DWN	CHK	APP
2	REDRAWN TO AUTOCAD DATE: Jul/19/2006	JDA	JDM	H.A

DWG REFERENCE



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ANCHOR ATTACHMENT DETAIL

DWN:	CHK'D:	DATE:
AJG	WDU	Jun/23/1982

ENG'R:	RAM
--------	-----

DRAWING NO:	REV:
B820511	2

FILE NO. Standard-80

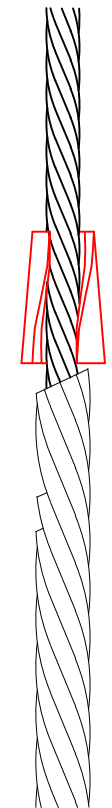
Standard 60
REVISIONS

REV.	DESCRIPTION	DWN	CHK	APP
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REV.	DESCRIPTION	DWN	CHK	APP
3	REDRAWN IN AUTOCAD DATE: Mar/17/2006	JDM	M.F	H.A

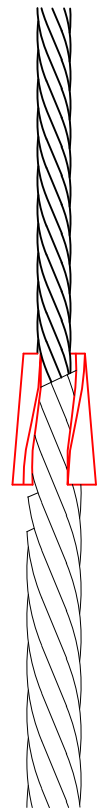
[illegible]

TO ACHIEVE MAXIMUM COVERAGE WITH THE END SLEEVE, THE APPLICATION SHOULD BE CONDUCTED IN THE FOLLOWING MANNER



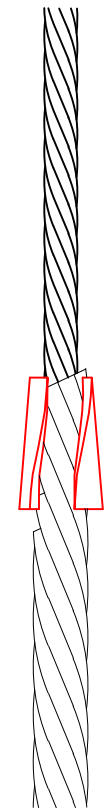
1

PLACE THE SLOT SIDE OF THE
END SLEEVE OVER THE LONG
LEG OF THE DEAD END



2

DRIVE THE SLEEVE DOWNWARD UNTIL
THE RODS OF THE SHORT LEG ARE
COMPLETELY COVERED



3

THE RODS OF THE LONG LEG
SHOULD BE EVEN WITH, OR
MAY EXTEND ABOVE, THE TOP
EDGE OF THE SLEEVE

BE SURE TO SELECT THE PROPER SIZE END SLEEVE

DWG REFERENCE	
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[illegible]

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SPLICE CONNECTION FOR BIG GRIP & END SLEEVE

DWN:	CHK'D:	DATE:
H.A	RAM	Jun/09/1970


ENG'R:	TWS
--------	-----

DRAWING NO:	REV:
B700607	3

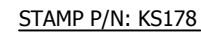
Sep/17/2007 2:04:24 PM

\\erecton\

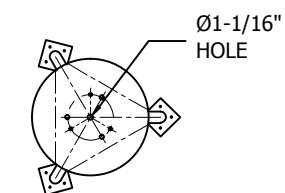
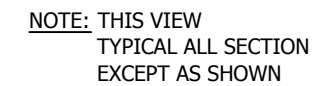
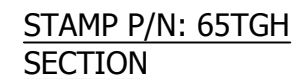
WIRE SIZE	ANCHOR ROD	TURNBUCKLE	THIMBLE
3/16 EHS	GAR30	5/8TBE&J	5/16THH
	GAC303,305	3/8TBE&E	5/16THH
	GAC3455	1/2TBE&J	5/16THH
	GAC5655	5/8TBE&J	5/16THH
1/4 EHS	GAR30	5/8TBE&J	3/8THH
	GAC303,305	1/2TBE&E	3/8THH
	GAC3455	1/2TBE&J	3/8THH
	GAC5655	5/8TBE&J	3/8THH
5/16 EHS	GAR30	5/8TBE&J	7/16THH
	GAC303,305	5/8TBE&J	7/16THH
	GAC3455	5/8TBE&J	7/16THH
	GAC5655	5/8TBE&J	7/16THH
3/8 EHS	GAR30	5/8TBE&J	1/2THH
	GAC3455	5/8TBE&J	1/2THH
	GAC5655	5/8TBE&J	1/2THH

FILE NO.				
Standard-90				
REVISIONS				
REV.	DESCRIPTION	DWN	CHK	APP
3	REDRAWN INTO AUTOCAD DATE: Apr/04/2006	M.F	JDM	HA
4	REMOVED NOTATION DATE: Sep/13/2007	J.K	JDM	HA
DWG REFERENCE				
<div> 6718 WEST PLANK ROAD PEORIA, IL 61604 TOLL FREE 800-727-ROHN</div>				
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GUY WIRE HARDWARE KIT				
DWN: WHW		CHK'D: W.M		DATE: Sep/30/1987
ENGR: RDM				
DRAWING NO: A871382				REV: 4

1. ALL SECTIONS ARE HOT DIP GALVANIZED AFTER FABRICATION.
2. ALL SECTIONS CAN BE INSTALLED WITH EITHER END UP, EXCEPT NO. 65TGH.
3. 12-5/8" X 2 1/2" BOLTS REQUIRED PER SECTION, EXCEPT NO. 65TGH.
4. FOR FABRICATION DETAIL SECTION NO. 65GH & 65TGH SEE DWG. NO. B780833 (DWG. FOR SHOP USE ONLY).
5. FOR FABRICATION DETAIL SECTION NO. 6520GH & 6520GH2 SEE DWG. NO. C781137 (DWG. FOR SHOP USE ONLY).




CONSISTS OF: (1) KS178
(1) 65JBK

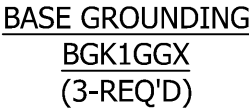


CONSISTS OF: (1) KS179
(1) 65JBK



CONSISTS OF: (1) KS313
(1) 65JBK

FILE NO.					Standard-65G				
REVISIONS									
REV.	DESCRIPTION				DWN	CHK	APP		
6	REDRAWN INTO AUTOCAD				M.F	JDM	HA		
	DATE: Aug/24/2006								
7	REVISED 65TGH SECTION				JDA	KTL	HA		
	DATE: Jul/27/2007								
DWG REFERENCE									
<div></div> <div>6718 WEST PLANK ROAD PEORIA, IL 61604 TOLL FREE 800-727-ROHN</div>									
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SECTION ASSEMBLY 65G SECTION									
DWN:		CHK'D:			DATE:				
J_D		KTL			Oct/30/1980				
ENG'R:									
TWS									
DRAWING NO:							REV:		
C781100							7		



7/16" 6X25 GALV. WIRE
P/N: 150400-30 FOR
AGK1GGX

* CLAMP IS NOT INCLUDED
IN GROUNDING KIT.
MUST BE ORDERED AS A
SEPARATE ITEM.

* CLAMP P/N:
CPC .5/.75 (1/2" - 3/4" O.D.)
CPC 1/1.25 (1" - 1-1/4" O.D.)
CPC 1.5/2 (1-1/2" - 2" O.D.)
213 (FOR ANGLE ATTACHMENTS)

6.00" MIN.
(152mm)

GROUND ROD CLAMP
P/N: 340016T

5/8"X10' (16mmX3048mm)
GROUND ROD (HDG)
P/N: GR6250

GUY WIRE GROUNDING - AGK1GGX
(1-REQ'D PER ANCHOR RADIUS)

APPLICATION

80 & 90 TAPERED BASES

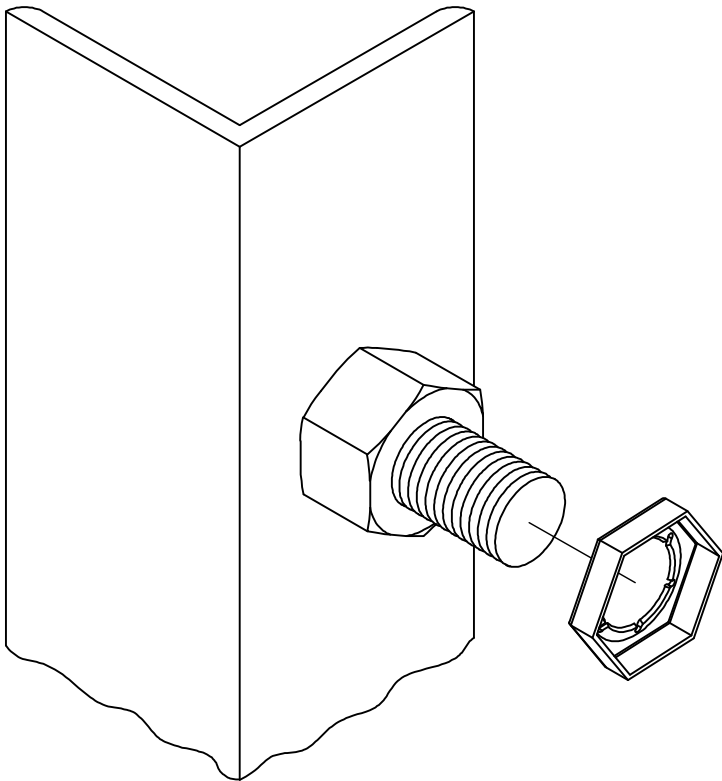
[illegible]

ASSEMBLY BOLT INSTALLATION

1. UNLESS OTHERWISE SPECIFIED, ASSEMBLY BOLTS AND ANCHOR BOLTS ARE TO BE TIGHTENED TO A SNUG TIGHT CONDITION (MEMBERS IN FIRM CONTACT) AND MUST INCLUDE A NUT LOCKING DEVICE. NO MINIMUM BOLT TENSION OR TORQUE VALUES ARE REQUIRED. WHEN LOCK WASHERS ARE PROVIDED AS A NUT LOCKING DEVICE, REPLACE ANY DAMAGED WASHERS DUE TO OVER TIGHTENING.
2. WASHERS ARE TO BE INSTALLED OVER SLOTTED HOLES.

PAL NUT INSTALLATION

1. PAL NUTS ARE TO BE INSTALLED AFTER NUTS ARE TIGHT AND WITH EDGE LIP OUT (SEE PICTURE). PAL NUTS ARE NOT REQUIRED WHEN SELF-LOCKING NUTS OR LOCK WASHERS ARE PROVIDED.



FILE NO.				
REVISIONS				
REV.	DESCRIPTION	DWN	CHK	APP
7	CHANGE NOTATION. DATE: 01/11/12	JEC	JDM	HA
<div><p>PO BOX 5999 PEORIA, IL 61601-5999 TOLL FREE 800-727-ROHN</p></div>				
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BOLT ASSEMBLY INSTALLATION				
DWN:	OH	CHK'D:	GHB	DATE: 07/05/79
ENG'R:	TWS	SHEET #:		1 OF 1
DRAWING NO:				REV:
A790135				7