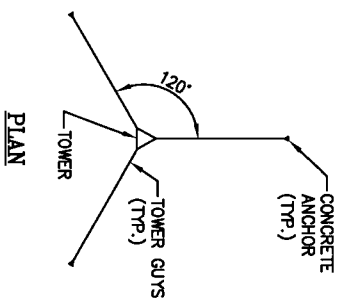
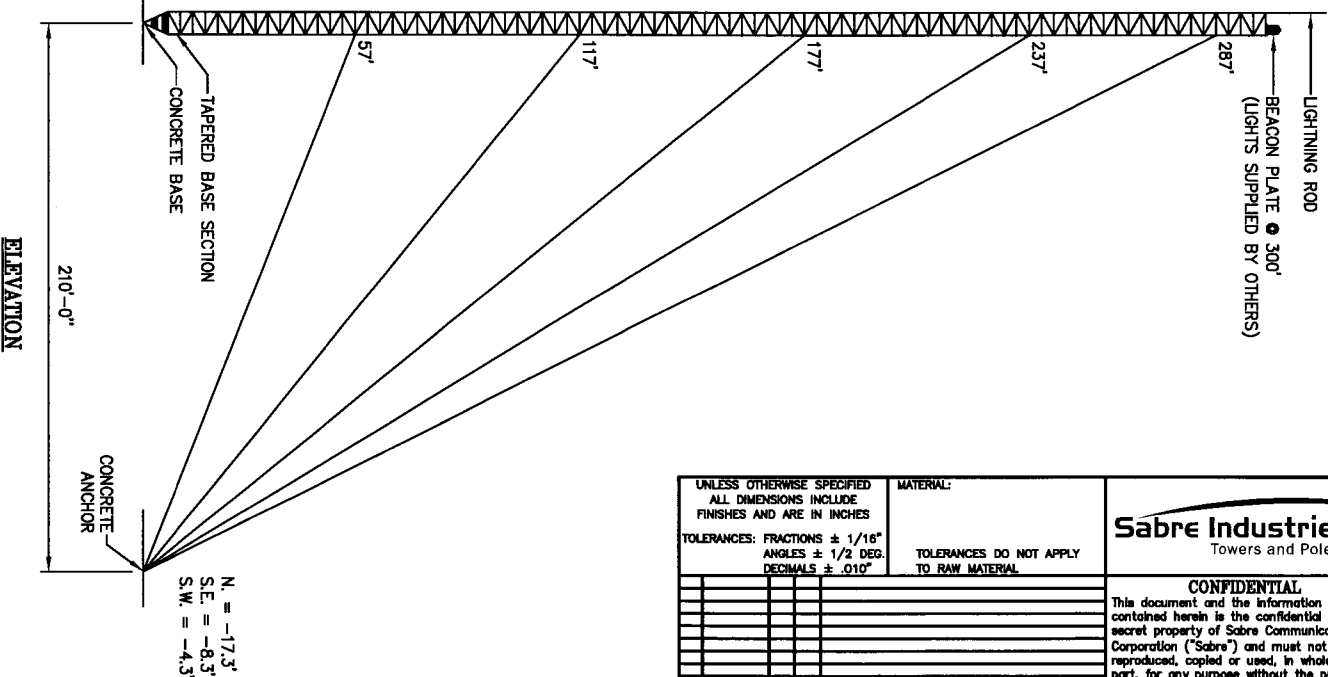


GUY STRAND	
ELEVATION	STRAND SIZE
57'	3/8" EHS
117'	7/16" EHS
177'	9/16" EHS
237'	3/4" EHS
287'	5/8" EHS



NOTE:
THE PART NUMBER OF THE TOWER SECTION IS LOCATED AT THE TOP OF EACH SECTION.

300"	1 1/2	1	T3600251	827
280"	1 1/2	1	T3600350	780
260"	1 1/2			
240"	1 3/4	1	T3600355	1004
220"	1 3/4	7/8	T3600259	862
200"	2	1	T3600262	1062
180"	2	1	T3600272	1110
160"	1 3/4	7/8	T3600259	862
140"	1 3/4	7/8	T3600259	862
120"	2	1	T3600272	1110
100"	2	7/8	T3600268	1012
80"	2	7/8	T3600268	1012
60"	2	7/8	T3600269	1060
40"	2	7/8	T3600268	1012
20"	2	1	T3600502	1314
0"				
	LEG DIA. (INCHES)	DIAGONAL DIA. (INCHES)	SECTION PART NO.	SECTION WT. (POUNDS)

[illegible]

Sabre Industries
Towers and Poles

CONFIDENTIAL
This document and the information contained herein is the confidential trade secret property of Sabre Communications Corporation ("Sabre") and must not be reproduced, copied or used, in whole or in part, for any purpose without the prior written consent of Sabre.
© 2018 Sabre Communications Corporation.
All rights reserved.

MASTER: 300', 3600 SRWD GUYED TOWER
SITE: ROUND LAKE, FL
CUSTOMER: MUNICIPAL COMMUNICATIONS LLC

JOB NO. 400253		SIZE B	DRAWING NO. 400253-MG		REV 0
DATE	2/5/18				
DRAWN BY	PSB				
CHECKED BY	KTW ✓			SCALE None	PAGE 1 OF 2

TOWER DESIGN INFORMATION

TOWER DESIGNED AT 98 MPH WIND + 0" RADIAL ICE & 30 MPH WIND + 1/4" RADIAL ICE IN ACCORDANCE WITH ANSI-TIA-222-G, STRUCTURE CLASS II, EXPOSURE CATEGORY C, TOPOGRAPHIC CATEGORY 1.

THIS TOWER DESIGN MEETS THE REQUIREMENTS FOR AN ULTIMATE WIND SPEED OF 126 MPH (RISK CATEGORY II), IN ACCORDANCE WITH THE 2014 FLORIDA BUILDING CODE.

THIS ERECTION DRAWING PACKAGE IS BASED ON THE STRUCTURAL ANALYSIS NO. 400253.

TRANSMISSION LINES ARE TO BE DISTRIBUTED AS SHOWN ON WAVEGUIDE LINE ARRANGEMENT DRAWING. (SEE DRAWING LIST)

DRAWING LIST

400253-F1 CONCRETE FOUNDATION
 400253-A1 CONCRETE ANCHORS
 400253-PL TOWER LAYOUT
 908158 TAPERED BASE INSTALLATION
 9020915T GENERAL SECTION INFORMATION
 400253-GT GUY TEMPERATURE CHART
 400253-GA GUY ASSEMBLY
 400253-WA WAVEGUIDE LINE ARRANGEMENT
 9025689 LIGHTNING ROD
 902816 TEMPORARY TOWER LIGHTING
 C30019101 BEACON PLATE (TOP)
 (SEE MANUAL) CABLE SAFETY CLIMB DEVICE WITHOUT HARNESS
 9014671 BOLT DETAILS
 906956 TOWER NAME PLATE
 907901 INVENTORY REQUIREMENT SHEET
 BOM-1 BILL OF MATERIAL

TOWER DESIGNED ANTENNA LOADING	
ELEV.	ANTENNAS
294'	(3) FLUSH MOUNT
294'	(3) 800 10736
294'	(3) RRUS 11
294'	(3) SU01 ASSEMBLY
279'	(3) V-BOOM - 12' FACE - 3' STANDOFF
279'	(3) RRUS A2 B13
279'	(3) RRUS B13
279'	(3) RxxDC-3315-PF-48
279'	(6) HEX858CW0000x
279'	(6) RRUS 32
264'	(3) V-BOOM - 12' FACE - 3' STANDOFF
264'	(3) RRUS A2 B13
264'	(3) RRUS B13
264'	(3) RxxDC-3315-PF-48
264'	(6) HEX858CW0000x
264'	(6) RRUS 32
249'	(3) V-BOOM - 12' FACE - 3' STANDOFF
249'	(3) RRUS A2 B13
249'	(3) RRUS B13
249'	(3) RxxDC-3315-PF-48
249'	(6) HEX858CW0000x
249'	(6) RRUS 32
234'	(3) V-BOOM - 12' FACE - 3' STANDOFF
234'	(3) RRUS A2 B13

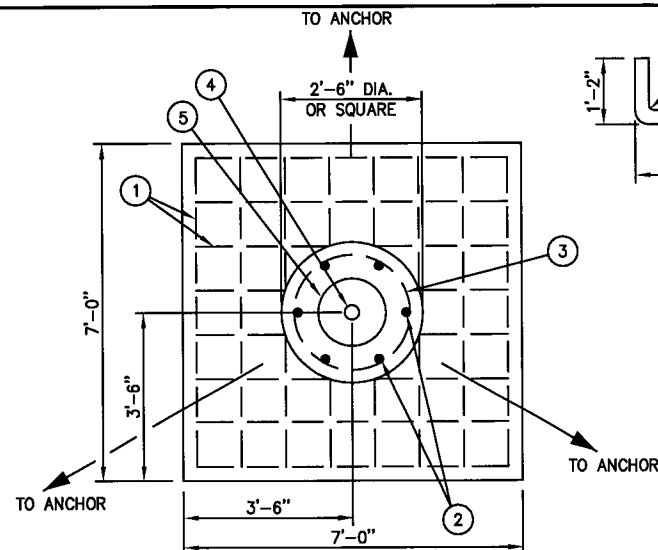
TOWER DESIGNED ANTENNA LOADING	
ELEV.	ANTENNAS
234'	(3) RRUS B13
234'	(3) RxxDC-3315-PF-48
234'	(6) HEX858CW0000x
234'	(6) RRUS 32
219'	(3) V-BOOM - 12' FACE - 3' STANDOFF
219'	(3) RRUS A2 B13
219'	(3) RRUS B13
219'	(3) RxxDC-3315-PF-48
219'	(6) HEX858CW0000x
219'	(6) RRUS 32
200'	LEG DISH MOUNT
200'	(1) 4' H.P. DISH

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS INCLUDE FINISHES AND ARE IN INCHES	
TOLERANCES: FRACTIONS ± 1/16" ANGLES ± 1/2 DEG. DECIMALS ± .010"	
MATERIAL:	
TOLERANCES DO NOT APPLY TO RAW MATERIAL	
REV	DATE
DRW	CHK
DESCRIPTION	

Sabre Industries[®]
Towers and Poles

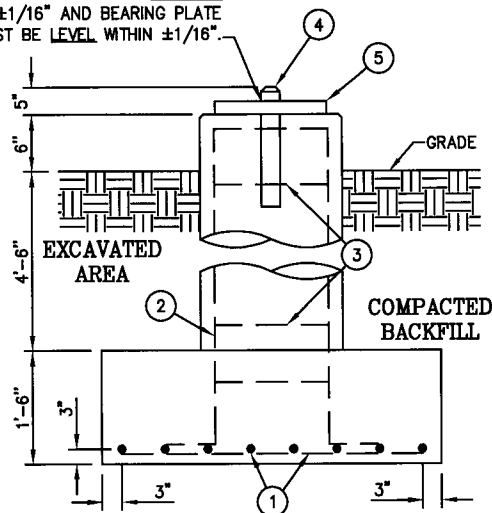
CONFIDENTIAL
This document and the information contained herein is the confidential trade secret property of Sabre Communications Corporation ("Sabre") and must not be reproduced, copied or used, in whole or in part, for any purpose without the prior written consent of Sabre.
© 2018 Sabre Communications Corporation. All rights reserved.

MASTER: 300', 3600 SRWD GUYED TOWER			
SITE: ROUND LAKE, FL			
CUSTOMER: MUNICIPAL COMMUNICATIONS LLC			
JOB NO. 400253	SIZE B	DRAWING NO. 400253-MG	REV 0
DATE 2/5/18			
DRAWN BY PSB			
CHECKED BY KTW		SCALE None	PAGE 2 OF 2

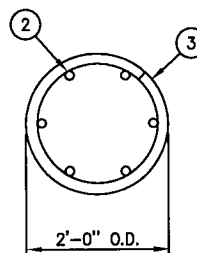
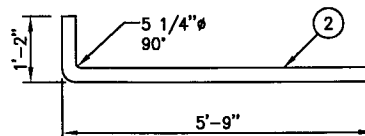


PLAN VIEW

BEARING PIN MUST BE VERTICAL
WITHIN $\pm 1/16$ " AND BEARING PLATE
MUST BE LEVEL WITHIN $\pm 1/16$ "



ELEVATION VIEW



PIER TIE DETAIL

REINFORCING STEEL SCHEDULE

ITEM	LOCATION	NO. REQ'D.	BAR SPC'G.	SIZE	CUT LENGTH	TOTAL LENGTH	TOTAL WT.
1.	PAD BOTTOM REINFORCING	16	EQUALLY SPACED AS SHOWN	#7	6'-6"	104'-0"	213 LBS.
2.	PIER VERTICAL REINFORCING	6	60" APART	#7	6'-11"	41'-6"	85 LBS.
3.	PIER TIES	6	12" C-C	#3	7'-6"	45'-0"	17 LBS.
TOTAL REBAR WT.							315 LBS.

CONCRETE REQUIRED

LOCATION	W/ROUND PIERS	W/SQUARE PIERS
PAD	2.7 CU. YDS.	2.7 CU. YDS.
PIER	0.9 CU. YDS.	1.2 CU. YDS.
TOTAL CONCRETE	3.6 CU. YDS.	3.9 CU. YDS.

EMBEDMENT STEEL REQUIRED

ITEM	PART NO.	NO. REQ'D.	DESCRIPTION	TOTAL WT.
4.	C30901001	1	BASE BEARING PIN	12 LBS.
5.	C30902001	1	BASE BEARING PLATE	167 LBS.
TOTAL STEEL WT.				179 LBS.

GENERAL NOTES

1. CONCRETE SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 4500 PSI, IN ACCORDANCE WITH ACI 318-11.
2. REBAR TO CONFORM TO ASTM SPECIFICATION A615 GRADE 60.
3. ALL REBAR TO HAVE A MINIMUM OF 3" CONCRETE COVER.
4. ALL EXPOSED CONCRETE CORNERS TO BE CHAMFERED 3/4".
5. THE FOUNDATION DESIGN IS BASED ON THE GEOTECHNICAL REPORT BY ENVIRONMENTAL CORPORATION OF AMERICA; PROJECT# T1252; DATED OCTOBER 24, 2017.
6. THE FOUNDATION DESIGN IS BASED ON THE FOLLOWING FACTORED REACTIONS:
FACTORED AXIAL LOAD (KIPS) = 156.64
FACTORED SHEAR (KIPS) = 1.28
7. SEE THE GEOTECHNICAL REPORT FOR COMPACTION REQUIREMENTS, IF SPECIFIED.

UNLESS OTHERWISE SPECIFIED
ALL DIMENSIONS INCLUDE
FINISHES AND ARE IN INCHES
TOLERANCES: FRACTIONS $\pm 1/16$ "
ANGLES $\pm 1/2$ DEG.
DECIMALS $\pm .010$ "

MATERIAL:
TOLERANCES DO NOT APPLY
TO RAW MATERIAL

Sabre Industries
Towers and Poles

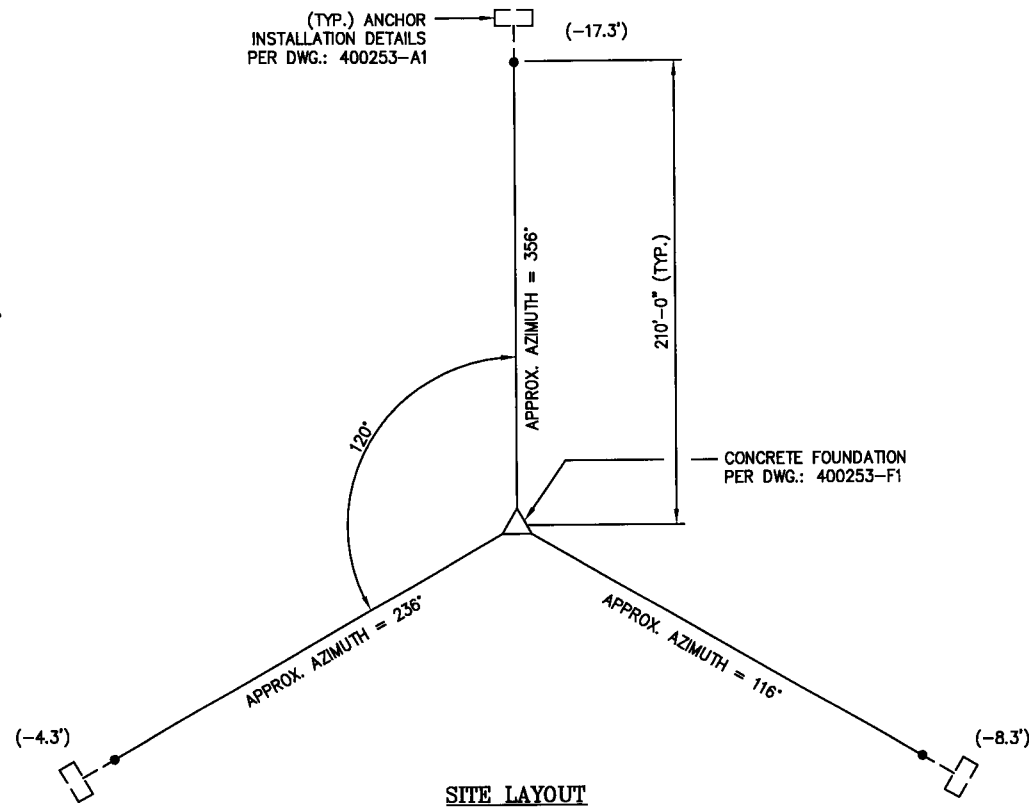
CONFIDENTIAL
This document and the information
contained herein is the confidential trade
secret property of Sabre Communications
Corporation ("Sabre") and must not be
reproduced, copied or used, in whole or in
part, for any purpose without the prior
written consent of Sabre.
© 2018 Sabre Communications Corporation.
All rights reserved.

GUYED TOWER FOUNDATION

SITE: ROUND LAKE, FL

CUSTOMER: MUNICIPAL COMMUNICATIONS LLC

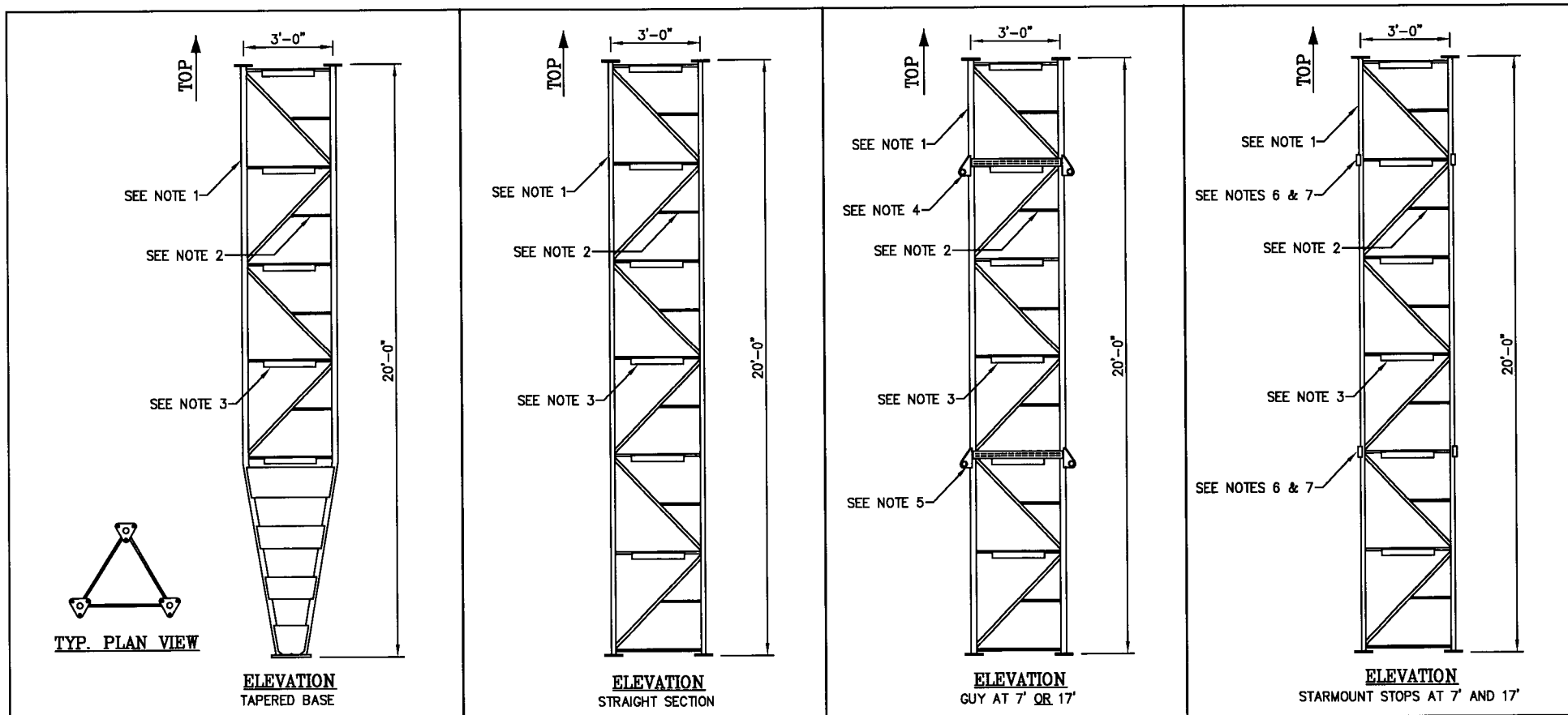
JOB NO. 400253	SIZE B	DRAWING NO. 400253-F1	REV 0
DATE 1/15/18	DRAWN BY DLK	CHECKED BY KTW	SCALE None
		PAGE 1 OF 1	



1. THE TOWER CENTER AND ANCHORS ARE TO BE LOCATED AND STAKED BY THE TOWER OWNER. (CONCRETE INSTALLER TO VERIFY).
2. THE ANCHOR DISTANCE SHOWN IS HORIZONTAL FROM THE TOWER BASE WITH A MAXIMUM GRADE DEVIATION, (SHOWN IN ()), OF PLUS 0 FT. OR MINUS 17.3 FT. FROM TOWER BASE TO ANCHOR POINT OF DAYLIGHT. CONTACT SABRE ENGINEERS IF ACTUAL GRADE EXCEEDS THE PLUS OR MINUS DESIGN.

SITE LAYOUT

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS INCLUDE FINISHES AND ARE IN INCHES			MATERIAL:	<div>Sabre Industries® Towers and Poles</div>		LAYOUT: 300', 3600 SRWD GUYED TOWER					
TOLERANCES: FRACTIONS ± 1/16" ANGLES ± 1/2 DEG. DECIMALS ± .010"			TOLERANCES DO NOT APPLY TO RAW MATERIAL			SITE: ROUND LAKE, FL					
			<div>CONFIDENTIAL</div> <div>This document and the information contained herein is the confidential trade secret property of Sabre Communications Corporation ("Sabre") and must not be reproduced, copied or used, in whole or in part, for any purpose without the prior written consent of Sabre. © 2018 Sabre Communications Corporation. All rights reserved.</div>			CUSTOMER: MUNICIPAL COMMUNICATIONS LLC					
						JOB NO. 400253	SIZE	DRAWING NO.		REV	
						DATE	1/15/18	B	400253-PL		0
						DRAWN BY	DLK				
						CHECKED BY	KTW			SCALE None	PAGE 1 OF 1
REV	DATE	DRW/CHK	DESCRIPTION								



NOTES:

1. THE PART NUMBER OF THE TOWER SECTION IS LOCATED AT THE TOP OF THE SECTION.
2. STEP BRACES ARE LOCATED ON ONE FACE OF THE TOWER ONLY.
3. SOME TOWER SECTIONS MAY NOT HAVE WAVEGUIDE SUPPORT BARS ON ALL THREE FACES OF THE TOWER. DURING ERECTION BE SURE AND POSITION THE STEP BRACES ON THE SAME FACE OF THE TOWER.
4. GUY HARDWARE LOCATED AT THIS POINT ONLY FOR A TYPICAL 17' GUY CONNECTION.
5. GUY HARDWARE LOCATED AT THIS POINT ONLY FOR A TYPICAL 7' GUY CONNECTION.
6. STABILIZER CHANNEL TO REST DIRECTLY ON TOP OF STOP.
7. SEE TOWER MASTER FOR TYPE OF STABILIZER AND ELEVATION OF STABILIZER.

SEE TOWER MASTER FOR SECTION PART NUMBERS, ELEVATIONS AND SPLICE BOLTS.

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS INCLUDE FINISHES AND ARE IN INCHES			MATERIAL:		
TOLERANCES: FRACTIONS $\pm 1/16"$ ANGLES $\pm 1/2$ DEG. DECIMALS $\pm .010"$			TOLERANCES DO NOT APPLY TO RAW MATERIAL		
REV	DATE	DRWCHK	DESCRIPTION		
1	10/28/01	PSB/RCF	REVISED NOTE 3		

Sabre Industries[®]
Towers and Poles

CONFIDENTIAL
This document and the information contained herein is the confidential trade secret property of Sabre Communications Corporation ("Sabre") and must not be reproduced, copied or used, in whole or in part, for any purpose without the prior written consent of Sabre.
© 2007 Sabre Communications Corporation. All rights reserved.

GENERAL SECTION INFORMATION FOR 3600 SRWD GUYED TOWER

DATE		03/23/01	SIZE	B	DRAWING NO.	9020915T	REV	1
DRAWN BY		PSB	SCALE		None		PAGE	
CHECKED BY		RCF					1 OF 1	

GUY ELEVATION: *** 74.3 FEET
GUY RADIUS: 210 FEET
GUY SIZE: 3/8 E.H.S.
INITIAL TENSION: 2310 LBS.

TEMPERATURE

deg.
-10
0
10
20
30
40
50
60
70
80
90
100
110

GUY ELEVATION: *** 134.3 FEET
GUY RADIUS: 210 FEET
GUY SIZE: 7/16 E.H.S.
INITIAL TENSION: 1664 LBS.

TEMPERATURE

deg.
-10
0
10
20
30
40
50
60
70
80
90
100
110

GUY ELEVATION: *** 194.3 FEET
GUY RADIUS: 210 FEET
GUY SIZE: 9/16 E.H.S.
INITIAL TENSION: 2450 LBS.

TEMPERATURE

deg.
-10
0
10
20
30
40
50
60
70
80
90
100
110

MUNICIPAL COMMUNICATIONS LLC
300', 3600 SRWD GUYED TOWER
ROUND LAKE, FL
JOB NO.: 400253

INITIAL TENSION @ 60 degrees

lbs
3066
2958
2850
2742
2634
2526
2418
2310
2202
2094
1986
1878
1770

***NOTE: THE ELEVATION REFLECTS THE 17.3' DROP
OCCURRING AT THE NORTH ANCHOR
FOR CALCULATIONS ONLY.

INITIAL TENSION @ 60 degrees

lbs
2491
2373
2254
2136
2018
1900
1782
1664
1546
1428
1310
1192
1074

INITIAL TENSION @ 60 degrees

lbs
3487
3339
3191
3042
2894
2746
2598
2450
2302
2154
2006
1858
1709

GUY TEMPERATURE VARIANCE CHART

400253-GT

GUY ELEVATION: *** 254.3 FEET
 GUY RADIUS: 210 FEET
 GUY SIZE: 3/4 E.H.S.
 INITIAL TENSION: 6413 LBS.

TEMPERATURE

deg.
 -10
 0
 10
 20
 30
 40
 50
 60
 70
 80
 90
 100
 110

INITIAL TENSION @ 60 degrees

lbs
 7669
 7489
 7310
 7131
 6951
 6772
 6592
 6413
 6234
 6054
 5875
 5695
 5516

GUY ELEVATION: *** 304.3 FEET
 GUY RADIUS: 210 FEET
 GUY SIZE: 5/8 E.H.S.
 INITIAL TENSION: 4240 LBS.

TEMPERATURE

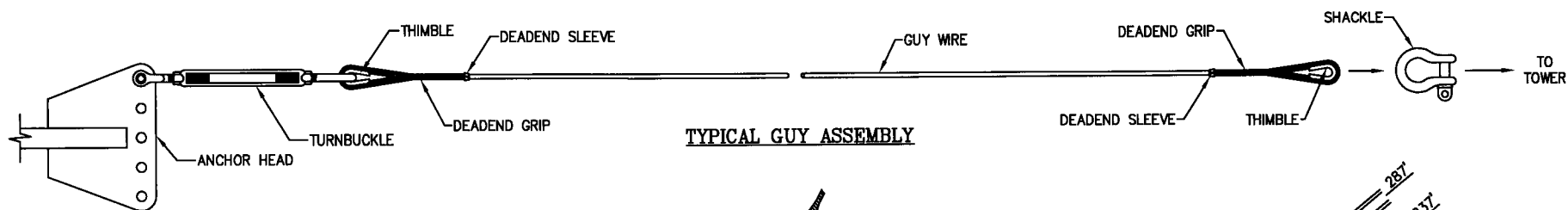
deg.
 -10
 0
 10
 20
 30
 40
 50
 60
 70
 80
 90
 100
 110

***NOTE: THE ELEVATION REFLECTS THE 17.3' DROP
 OCCURRING AT THE NORTH ANCHOR
 FOR CALCULATIONS ONLY.

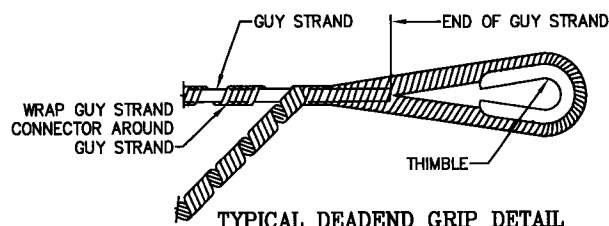
INITIAL TENSION @ 60 degrees

lbs
 4932
 4833
 4734
 4635
 4536
 4438
 4339
 4240
 4141
 4042
 3944
 3845
 3746

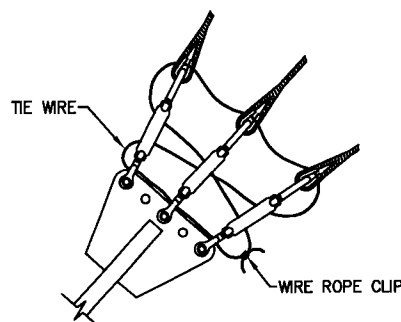
*** THE GUY TENSIONS SHOWN ARE FOR THE NORTH ANCHOR WITH THE 17.3 FT. DIFFERENCE IN ELEVATION FROM THE TOWER
 BASE. THE TENSIONS SHOULD BE MAINTAINED AS CLOSE AS POSSIBLE ON THESE GUYS, WHILE THE REMAINING GUYS ARE
 USED TO PLUMB THE TOWER.



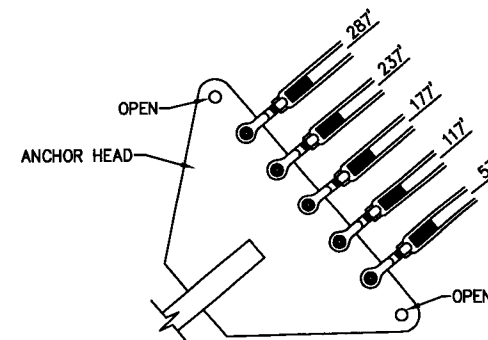
TYPICAL GUY ASSEMBLY



TYPICAL DEADEND GRIP DETAIL



TYPICAL TIE WIRE ASSEMBLY



GUY PLACEMENT

GUY STRAND AND HARDWARE REQUIRED

ELEVATION	STRAND SIZE	CUT LENGTH			GUY HARDWARE KIT NO.	TURNBUCKLE	DEADEND GRIP	DEADEND SLEEVE	THIMBLE	SHACKLE
		N.	S.E.	S.W.		1 PER GUY	2 PER GUY	2 PER GUY	2 PER GUY	1 PER GUY
57'	3/8" EHS	1 @ 246'	1 @ 246'	1 @ 246'	C40100024	7/8 X 12 J & E	3/8"	3/8"	1/2" HVY.	5/8"
117'	7/16" EHS	1 @ 274'	1 @ 274'	1 @ 267'	C40100027	7/8 X 12 J & E	7/16"	7/16"	1/2" HVY.	5/8"
177'	9/16" EHS	1 @ 313'	1 @ 307'	1 @ 307'	C40100014	1 X 12 J & E	9/16"	9/16"	5/8" HVY.	7/8"
237'	3/4" EHS	1 @ 359'	1 @ 352'	1 @ 352'	C40100016	1 1/4 X 12 J & E	3/4"	3/4"	7/8" HVY.	1"
287'	5/8" EHS	1 @ 401'	1 @ 393'	1 @ 393'	C40100015	1 X 12 J & E	5/8"	5/8"	3/4" HVY.	7/8"

NOTES:

1. THE GUY STRAND CONNECTOR MUST FOLLOW THE LAY OF THE GUY STRAND.
2. THE STRAND AND THE CONNECTOR SHOWN HAVE A LEFT HAND LAY. STRAND WHICH HAS A RIGHT HAND LAY REQUIRES A CONNECTOR WITH A RIGHT HAND LAY.

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS INCLUDE FINISHES AND ARE IN INCHES			MATERIAL:		
TOLERANCES: FRACTIONS $\pm 1/16"$ ANGLES $\pm 1/2$ DEG. DECIMALS $\pm .010"$			TOLERANCES DO NOT APPLY TO RAW MATERIAL		
REV	DATE	DRWCHK	DESCRIPTION		

Sabre Industries
Towers and Poles

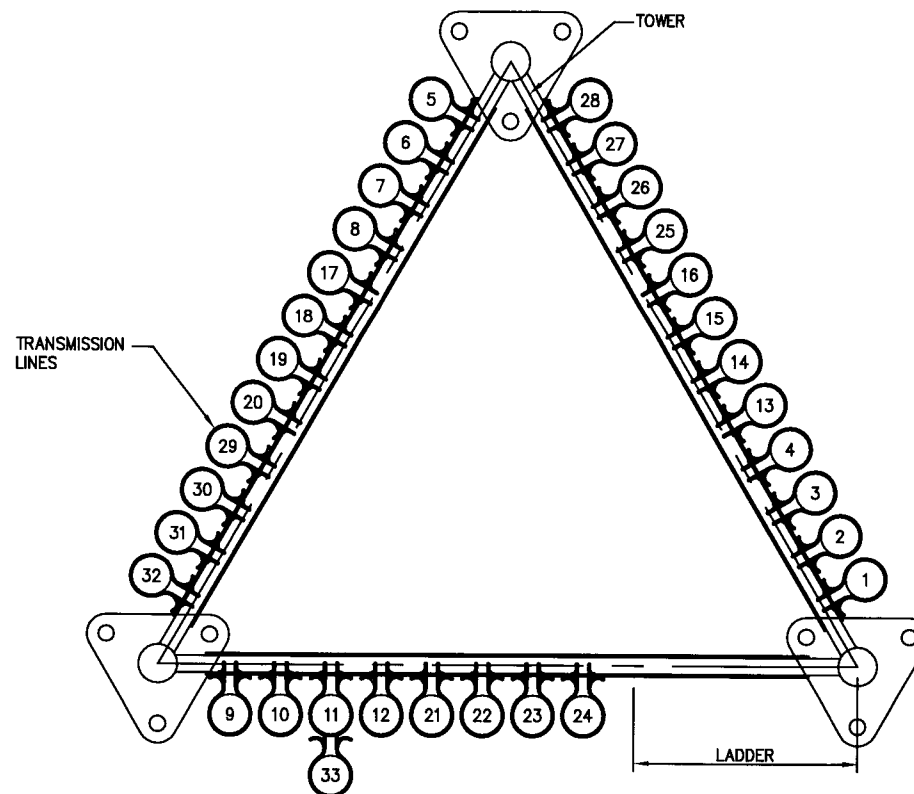
CONFIDENTIAL
This document and the information contained herein is the confidential trade secret property of Sabre Communications Corporation ("Sabre") and must not be reproduced, copied or used, in whole or in part, for any purpose without the prior written consent of Sabre.
© 2018 Sabre Communications Corporation. All rights reserved.


GUY ASS'Y: 300', 3600 SRWD GUYED TOWER
SITE: ROUND LAKE, FL
CUSTOMER: MUNICIPAL COMMUNICATIONS LLC

JOB NO. 400253		SIZE	DRAWING NO.		REV
DATE	2/5/18	B	400253-GA		0
DRAWN BY	PSB	SCALE		PAGE	
CHECKED BY	KTW	None		1 OF 1	

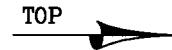
NOTE:

1. THE LINES ARE NUMBERED FROM HIGHEST ELEVATION TO LOWEST ELEVATION.



UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS INCLUDE FINISHES AND ARE IN INCHES			MATERIAL:			<div> Towers and Poles</div>			<u>WAVEGUIDE LINE ARRANGEMENT</u>					
TOLERANCES: FRACTIONS ± 1/16" ANGLES ± 1/2 DEG. DECIMALS ± .010"			TOLERANCES DO NOT APPLY TO RAW MATERIAL						<u>SITE: ROUND LAKE, FL</u>					
						<div><p>CONFIDENTIAL</p><p>This document and the information contained herein is the confidential trade secret property of Sabre Communications Corporation ("Sabre") and must not be reproduced, copied or used, in whole or in part, for any purpose without the prior written consent of Sabre.</p><p>© 2018 Sabre Communications Corporation. All rights reserved.</p></div>			JOB NO. 400253		SIZE	DRAWING NO.		REV
									DATE	2/5/18	B	400253-WA		0
									DRAWN BY		PSB			
									CHECKED BY		WTK			
												SCALE		PAGE
												None		1 OF 1
REV	DATE	DRAWN BY	DESCRIPTION											

ELEVATION VIEW




*THIS LIGHTNING ROD IS STAINLESS STEEL.
▶THIS LIGHTNING ROD IS GALVANIZED.

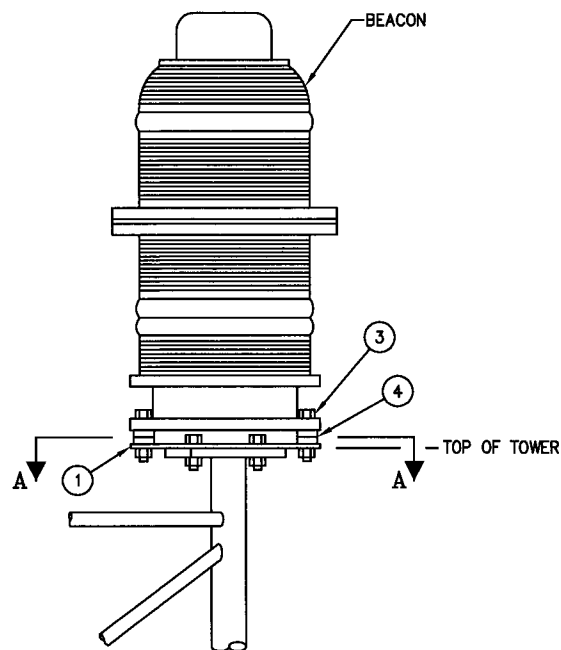
UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS INCLUDE FINISHES AND ARE IN INCHES		MATERIAL:		<div>Sabre Industries®</div> <div>Towers and Poles</div>		TYPICAL LIGHTNING ROD INSTALLATION					
TOLERANCES: FRACTIONS ± 1/16" ANGLES ± 1/2 DEG. DECIMALS ± .010"		TOLERANCES DO NOT APPLY TO RAW MATERIAL									
10 1/2" X 2 1/8" ALUMINUM REMOVED 5/8" X 12" - 6" LIGHTNING ROD.				<div>CONFIDENTIAL</div> <div>This document and the information contained herein is the confidential trade secret property of Sabre Communications Corporation ("Sabre") and must not be reproduced, copied or used, in whole or in part, for any purpose without the prior written consent of Sabre. © 2015 Sabre Communications Corporation. All rights reserved.</div>		SIZE B		DRAWING NO. 9025689		REV 10	
10 1/2" X 2 1/8" ALUMINUM REMOVED 5/8" X 12" - 6" LIGHTNING ROD.											
8 1/2" X 1 1/2" ALUMINUM REMOVED 5/8" X 12" - 6" LIGHTNING ROD.						DATE 1/15/02					
7 1/2" X 1 1/2" ALUMINUM REMOVED 5/8" X 12" - 6" LIGHTNING ROD.						DRAWN BY TLH					
6 1/2" X 1 1/2" ALUMINUM REMOVED 5/8" X 12" - 6" LIGHTNING ROD.						CHECKED BY CE				SCALE None	
5 1/2" X 1 1/2" ALUMINUM REMOVED 5/8" X 12" - 6" LIGHTNING ROD.										PAGE 1 OF 1	
4 1/2" X 1 1/2" ALUMINUM REMOVED 5/8" X 12" - 6" LIGHTNING ROD.											
3 1/2" X 1 1/2" ALUMINUM REMOVED 5/8" X 12" - 6" LIGHTNING ROD.											
2 1/2" X 1 1/2" ALUMINUM REMOVED 5/8" X 12" - 6" LIGHTNING ROD.											
1 1/2" X 1 1/2" ALUMINUM REMOVED 5/8" X 12" - 6" LIGHTNING ROD.											
REV 1/15/02 CBI ZAK CHANGED PART NOS. TO CATALOG											
DATE		DESCRIPTION									

FEDERAL AVIATION ADMINISTRATION
SPECIFICATIONS: AC 70/7460-1L
EFFECTIVE DATE: DECEMBER 4, 2015

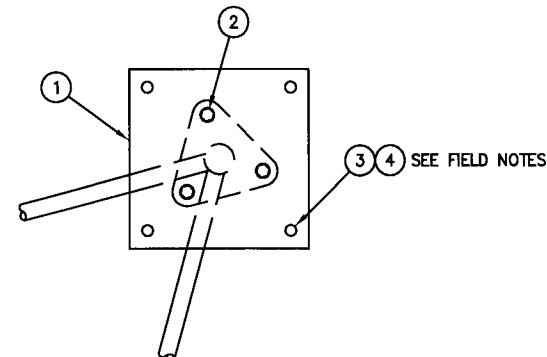
CHAPTER 4. LIGHTING GUIDELINE
PARAGRAPH 4.3 LIGHTING SYSTEMS
SECTION 5. OBSTRUCTION LIGHTS DURING CONSTRUCTION

AS THE HEIGHT OF THE STRUCTURE EXCEEDS EACH LEVEL AT WHICH PERMANENT OBSTRUCTION LIGHTS WOULD BE RECOMMENDED, TWO OR MORE LIGHTS OF THE TYPE SPECIFIED IN THE DETERMINATION SHOULD BE INSTALLED AT THAT LEVEL. TEMPORARY HIGH OR MEDIUM INTENSITY FLASHING WHITE LIGHTS, AS RECOMMENDED IN THE DETERMINATION, SHOULD BE OPERATED 24 HOURS A DAY UNTIL ALL PERMANENT LIGHTS ARE IN OPERATION. IN EITHER CASE, TWO OR MORE LIGHTS SHOULD BE INSTALLED ON THE UPPERMOST PART OF THE STRUCTURE ANY TIME IT EXCEEDS THE HEIGHT OF THE TEMPORARY CONSTRUCTION EQUIPMENT. THEY MAY BE TURNED OFF FOR PERIODS WHEN THEY COULD INTERFERE WITH CONSTRUCTION PERSONNEL. IF PRACTICAL, PERMANENT OBSTRUCTION LIGHTS SHOULD BE INSTALLED AND OPERATED AT EACH LEVEL AS CONSTRUCTION PROGRESSES. THE LIGHTS SHOULD BE POSITIONED TO ENSURE THAT A PILOT HAS AN UNOBSTRUCTED VIEW OF AT LEAST ONE LIGHT AT EACH LEVEL.

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS INCLUDE FINISHES AND ARE IN INCHES		MATERIAL:				TEMPORARY LIGHTING OF TOWER DURING ERECTION												
TOLERANCES: FRACTIONS $\pm 1/16"$ ANGLES $\pm 1/2$ DEG. DECIMALS $\pm .010"$		TOLERANCES DO NOT APPLY TO RAW MATERIAL																
<div>CONFIDENTIAL</div> <p>This document and the information contained herein is the confidential trade secret property of Sabre Communications Corporation ("Sabre") and must not be reproduced, copied or used, in whole or in part, for any purpose without the prior written consent of Sabre. © 2007 Sabre Communications Corporation. All rights reserved.</p>						DATE		08/01/91	SIZE	B	DRAWING NO.	902816	REV	8				
						DRAWN BY		RGF	CHECKED BY		DLW	SCALE	None	PAGE	1 OF 1			
						REV		DATE	DRWCHK	DESCRIPTION								
						1		11/21/98	PSB	REBORN								
						2		08/02/97	DEM	REBORN ONTO NEW TITLE DOC.								
3		07/18/96	DEM	UPDATED TO CURRENT SPECS (WAS AC 70/7460/10)														
4		03/05/91	KMP	REBORN RING AUGUST 2000														
5		03/02/91	PSB	REBORN ONTO B SIZE PAPER														
6		03/02/91	PSB	CHANGED FAL DASHING DATE														
7		11/20/90	PSB	UPDATED TO CURRENT SPECS (WAS AC 70/7460/10)														
8		8/18/88	PAK	UPDATED TO CURRENT SPECS (WAS AC 70/7460/10)														



ELEVATION



SECTION A-A

C30019101 BEACON PLATE KIT

ITEM	QTY.	PART NO.	DESCRIPTION	WEIGHT
1.	1	CS00253	PLATE, BEACON	11#
2.	3	C40026045	BOLT ASSEMBLY, 3/4"Ø X 2 1/2" A325	2#
3.	4	C40026025	BOLT ASSEMBLY, 5/8"Ø X 2 1/2" A325	2#
4.	8	C40047003	RINGFILL, 3/8" THICK - 5/8	1#
TOTAL WEIGHT				16#


FIELD NOTES:

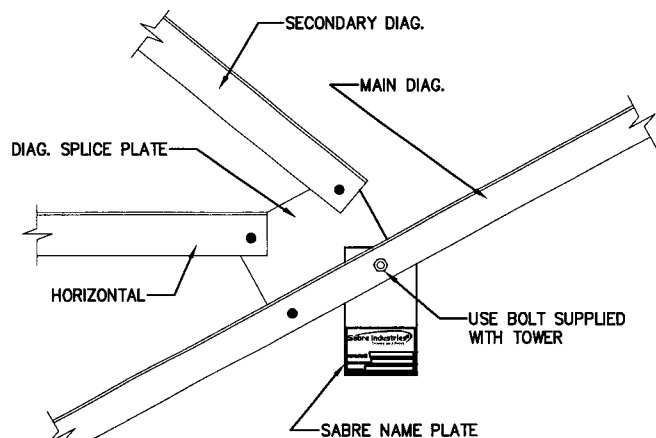
1. (4) 5/8" ϕ X 2 1/2" BOLTS, HAVE BEEN PROVIDED TO MOUNT BEACON TO MOUNTING PLATE #CS00253.
2. (8) RINGFILLS, 3/8" THICK, HAVE BEEN PROVIDED TO SHIM THE BEACON ABOVE HEAD OF SPLICE BOLT, USE (2) PER BOLT.

[illegible]

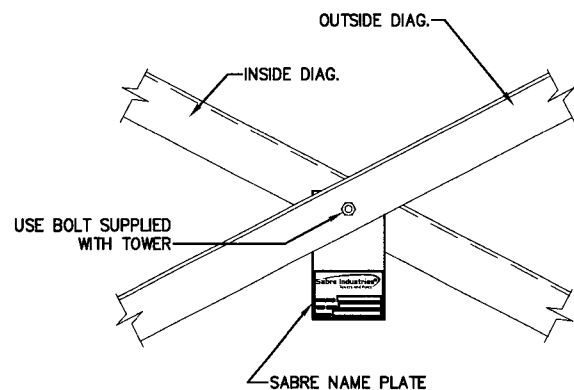
BOLT INSTALLATION DETAILS:

1. INSTALLATION OF BOLTS: BOLTS FOR TOWERS AND ANTENNAS SHALL BE INSTALLED WITH THE NUTS FACING TO THE OUTSIDE AND/OR TO THE TOP OF THE TOWER, UNLESS PROHIBITED BY LACK OF CLEARANCE.
2. TIGHTENING OF BOLTS: ALL HIGH STRENGTH BOLTS SHALL BE TIGHTENED TO A SNUG-TIGHT CONDITION, AS DEFINED BY AISC.
3. NUT LOCKING DEVICE: ALL NUTS SHALL BE EQUIPPED WITH SOME TYPE OF NUT LOCKING DEVICE. SEE THE INDIVIDUAL DRAWINGS FOR THE TYPE OF NUT LOCKING DEVICE TO BE USED FOR EACH INDIVIDUAL APPLICATION.

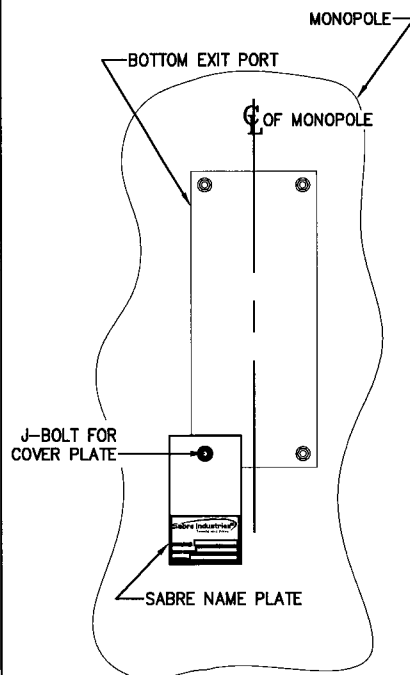
UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS INCLUDE FINISHES AND ARE IN INCHES		MATERIAL:			BOLT INSTALLATION DETAILS																
TOLERANCES: FRACTIONS $\pm 1/16"$ ANGLES $\pm 1/2$ DEG. DECIMALS $\pm .010"$		TOLERANCES DO NOT APPLY TO RAW MATERIAL																			
<p align="center">CONFIDENTIAL</p> <p>This document and the information contained herein is the confidential trade secret property of Sabre Communications Corporation ("Sabre") and must not be reproduced, copied or used, in whole or in part, for any purpose without the prior written consent of Sabre.</p> <p align="center">© 2007 Sabre Communications Corporation. All rights reserved.</p>				<table border="1"> <tr> <td>DATE</td> <td>01/28/00</td> </tr> <tr> <td>DRAWN BY</td> <td>MJM</td> </tr> <tr> <td>CHECKED BY</td> <td>KJT/DLW</td> </tr> </table>		DATE	01/28/00	DRAWN BY	MJM	CHECKED BY	KJT/DLW	<table border="1"> <tr> <td>SIZE</td> <td>B</td> </tr> </table>	SIZE	B	<table border="1"> <tr> <td>DRAWING NO.</td> <td>9014671</td> </tr> </table>	DRAWING NO.	9014671	<table border="1"> <tr> <td>REV</td> <td>3</td> </tr> </table>	REV	3	
DATE	01/28/00																				
DRAWN BY	MJM																				
CHECKED BY	KJT/DLW																				
SIZE	B																				
DRAWING NO.	9014671																				
REV	3																				
<table border="1"> <tr> <td>3</td> <td>02/15/08</td> <td>KJT/DLW</td> <td>REVISION PER KATH TINDAL</td> </tr> <tr> <td>2</td> <td>03/04/04</td> <td>PSB/DAK</td> <td>REWORK INTO B SIZE TOWERLOCK</td> </tr> <tr> <td>1</td> <td>03/08/01</td> <td>KJM/PSB</td> <td>REWORK IN AUGUST 2000</td> </tr> </table>		3	02/15/08	KJT/DLW	REVISION PER KATH TINDAL	2	03/04/04	PSB/DAK	REWORK INTO B SIZE TOWERLOCK	1	03/08/01	KJM/PSB	REWORK IN AUGUST 2000			<table border="1"> <tr> <td>SCALE</td> <td>None</td> </tr> <tr> <td>PAGE</td> <td>1 OF 1</td> </tr> </table>		SCALE	None	PAGE	1 OF 1
3	02/15/08	KJT/DLW	REVISION PER KATH TINDAL																		
2	03/04/04	PSB/DAK	REWORK INTO B SIZE TOWERLOCK																		
1	03/08/01	KJM/PSB	REWORK IN AUGUST 2000																		
SCALE	None																				
PAGE	1 OF 1																				
REV	DATE	DRW	CHK	DESCRIPTION																	



TYPICAL FOR MODEL S3TL, S4TL, S3R & S4R
SELF-SUPPORTING TOWER
(K-BRACE)

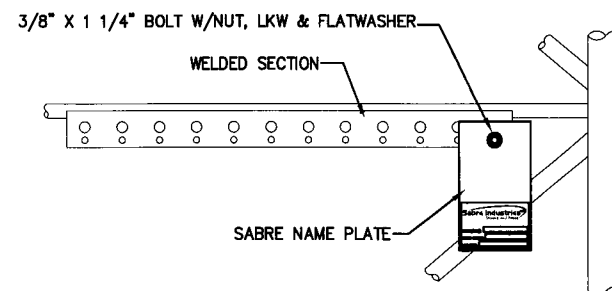


TYPICAL FOR MODEL S3TL, S4TL, S3R & S4R
SELF-SUPPORTING TOWER
(X-BRACE)

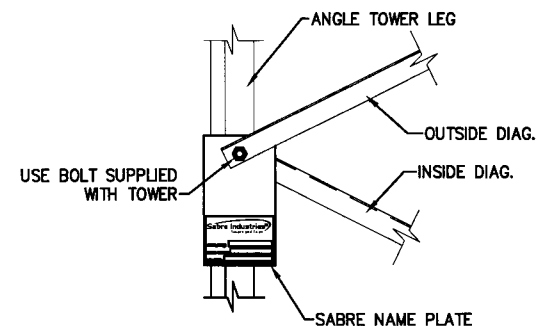


TYPICAL FOR MONOPOLE
STRUCTURE

NOTE:
NAME PLATE SHOULD BE MOUNTED AT
APPROXIMATELY EYE LEVEL WHEN POSSIBLE.



TYPICAL FOR MODEL 2400 / 3600 / 4400 / 4800 / 6000
WELDED GUYED TOWER



TYPICAL FOR MODEL 3000 / 3600 / 4800
ANGLE GUYED TOWER

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS INCLUDE FINISHES AND ARE IN INCHES			MATERIAL:		
TOLERANCES: FRACTIONS $\pm 1/16"$ ANGLES $\pm 1/2$ DEG. DECIMALS $\pm .010"$			TOLERANCES DO NOT APPLY TO RAW MATERIAL		
REV	DATE	DRW/CHK	DESCRIPTION		
1	8/18/11	DRS	ISSUED FOR 4800 & 6000 WELDED GUYED TOWER		
2	3/30/11	DRS	REVISED FOR S3TL & S4R TO S.S. TOWER		
3	11/21/09	DRS	REVISED FOR 2400 WELDED GUYED TOWER		
4	08/22/08	DRS	REVISED FOR 3000 WELDED GUYED TOWER WAS 3/8 X 1/4		
5	02/18/07	DRS	REVISED MONOPOLE INSTALLATION		
6	02/18/07	DRS	REVISED FOR AUTOCAD 2000		
7	04/18/07	DRS	REVISED FOR NEW TITLE BLOCK		

Sabre Industries®
Towers and Poles

CONFIDENTIAL
This document and the information
contained herein is the confidential trade
secret property of Sabre Communications
Corporation ("Sabre") and must not be
reproduced, copied or used, in whole or in
part, for any purpose without the prior
written consent of Sabre.
© 2007 Sabre Communications Corporation.
All rights reserved.

OPTIONAL MOUNTING INSTALLATION SABRE NAME PLATE

DATE		10/15/96	SIZE	B	DRAWING NO.	906956	REV	6
DRAWN BY		DEM	CHECKED BY		RGF	SCALE	None	PAGE 1 OF 1

NOTICE

ALL PARTS ARE TO BE INVENTORIED AND ANY
SHORTAGES REPORTED WITHIN 48 HOURS OF DELIVERY
TO THE CONTRACTING ERECTOR.

SHORTAGES REPORTED AFTER THIS TIME PERIOD WILL
BE CHARGED TO THE CONTRACTOR.

CALL 712-258-6690

TO REACH THE SABRE CONTRACTS DEPARTMENT.

AVISO


Todas las partes serán inventariadas y los faltantes reportados
por el contratista dentro de las 48 horas a partir de la entrega.

Los faltantes reportados después de 48 horas serán cargados al contratista.

Para aclaraciones llame a:

Sabre-Departamento de Contrataciones

(001) 712 258-6690

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS INCLUDE FINISHES AND ARE IN INCHES TOLERANCES: FRACTIONS $\pm 1/16"$ ANGLES $\pm 1/2$ DEG. DECIMALS $\pm .010"$		MATERIAL: TOLERANCES DO NOT APPLY TO RAW MATERIAL			INVENTORY REQUIREMENT SHEET																				
<table border="1"><tr><td>3</td><td>05/04/04</td><td>SSB ZAK</td><td>REBRAIN DND B" SIZE TITLE BLOCK</td></tr><tr><td>2</td><td>02/25/02</td><td>CHB ZAK</td><td>ADDED SPANISH TEXT</td></tr><tr><td>1</td><td>02/27/01</td><td>CHB ZAK</td><td>REBRAIN IN AUTOCAD 2000 & UPDATED VERBAGE</td></tr><tr><td>REV</td><td>DATE</td><td>DRW/CHK</td><td>DESCRIPTION</td></tr></table>			3	05/04/04	SSB ZAK	REBRAIN DND B" SIZE TITLE BLOCK	2	02/25/02	CHB ZAK	ADDED SPANISH TEXT	1	02/27/01	CHB ZAK	REBRAIN IN AUTOCAD 2000 & UPDATED VERBAGE	REV	DATE	DRW/CHK	DESCRIPTION	CONFIDENTIAL This document and the information contained herein is the confidential trade secret property of Sabre Communications Corporation ("Sabre") and must not be reproduced, copied or used, in whole or in part, for any purpose without the prior written consent of Sabre. © 2008 Sabre Communications Corporation. All rights reserved.		DATE 05/12/07		SIZE B	DRAWING NO. 907901	REV 3
			3	05/04/04	SSB ZAK	REBRAIN DND B" SIZE TITLE BLOCK																			
			2	02/25/02	CHB ZAK	ADDED SPANISH TEXT																			
			1	02/27/01	CHB ZAK	REBRAIN IN AUTOCAD 2000 & UPDATED VERBAGE																			
REV	DATE	DRW/CHK	DESCRIPTION																						
DRAWN BY ZAK		SCALE None		PAGE 1 OF 1																					
CHECKED BY JD																									



CUSTOMER : MUNICIPAL COMMUNICATIONS LLC

SITE : ROUND LAKE, FL

B.O.M. 300 FT. MODEL 3600 SRWD GUYED TOWER

PC=PIECE
PLT=PALLET
BDL=BUNDLE
CRT=CRATE
D=DRUM
BX=BOX

OR=ORANGE
WH=WHITE
O/W=OR & WH
N/R=NOT REQ'D
SP=SPECIAL

PACKING

ITEM NO.	NO. REQ'D.	DRAWING		PART NO.	DESCRIPTION	TOTAL WEIGHT LBS.	PAINT	KIT	QTY OF PKG'S	PKG. NO.
		NUMBER	REV							
1					BEARING PIN					
2	1	C30901001	1	C30901001	BEARING PIN 1 1/2"Ø X 1'-11"	12				
3					ANCHOR SHAFTS					
4	3	C30129007	3	C30129007	WELDMENT, ANCHOR SHAFT 7 HOLE,	881				
5					2.25"Ø SHAFT, 13'-10" OVERALL LENGTH					
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
REV	DATE	DRW	CHK		DESCRIPTION					

DATE 1/15/18 JOB NO. 400253

DRAWN BY DLK PRINT NO. BOM-1

CHECKED BY KTW ✓ PAGE 1 OF 5



CUSTOMER : MUNICIPAL COMMUNICATIONS LLC

SITE : ROUND LAKE, FL

B.O.M. 300 FT. MODEL 3600 SRWD GUYED TOWER

PC=PIECE
PLT=PALLET
BDL=BUNDLE
CRT=CRATE
D=DRUM
BX=BOX

OR=ORANGE
WH=WHITE
O/W=OR & WH
N/R=NOT REQ'D
SP=SPECIAL

PACKING

ITEM NO.	NO. REQ'D.	DRAWING		PART NO.	DESCRIPTION	TOTAL WEIGHT LBS.	PAINT	KIT	QTY OF PKG'S	PKG. NO.
		NUMBER	REV							
1					SECTIONS					
2	1	T3600502	0	T3600502	20' TOWER SECTION (BASE)	1314				
3	3	T3600268	0	T3600268	20' TOWER SECTION (STD)	3035				
4	1	T3600269	0	T3600269	20' TOWER SECTION (STD GUY @ 17')	1060				
5	2	T3600272	0	T3600272	20' TOWER SECTION (STD GUY @ 17')	2220				
6	3	T3600259	0	T3600259	20' TOWER SECTION (STD)	2586				
7	1	T3600262	0	T3600262	20' TOWER SECTION (STD)	1062				
8	1	T3600355	0	T3600355	20' TOWER SECTION (HVY GUY @ 17')	1004				
9	2	T3600350	0	T3600350	20' TOWER SECTION (STD)	1559				
10	1	T3600251	0	T3600251	20' TOWER SECTION (STD GUY @ 7')	827				
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
REV	DATE	DRW	CHK		DESCRIPTION					

DATE 1/15/18 JOB NO. 400253

DRAWN BY DLK PRINT NO. BOM-1

CHECKED BY KTW ✓ PAGE 2 OF 5



CUSTOMER : MUNICIPAL COMMUNICATIONS LLC

SITE : ROUND LAKE, FL

B.O.M. 300 FT. MODEL 3600 SRWD GUYED TOWER

PC=PIECE
PLT=PALLET
BDL=BUNDLE
CRT=CRATE
D=DRUM
BX=BOX

OR=ORANGE
WH=WHITE
O/W=OR & WH
N/R=NOT REQ'D
SP=SPECIAL

PACKING

ITEM NO.	NO. REQ'D.	DRAWING		PART NO.	DESCRIPTION	TOTAL WEIGHT LBS.	PAINT	KIT	QTY OF PKG'S	PKG. NO.
		NUMBER	REV							
1					GUY STRAND					
2	90'			C40059002	GUY STRAND, 5/16" EHS (3 @ 30')	18				
3	738'			C40059003	GUY STRAND, 3/8" EHS (3 @ 246')	201				
4	815'			C40059004	GUY STRAND, 7/16" EHS (2 @ 274', 1 @ 267')	325				
5	927'			C40059006	GUY STRAND, 9/16" EHS (1 @ 313', 2 @ 307')	622				
6	1063'			C40059008	GUY STRAND, 3/4" EHS (1 @ 359', 2 @ 352')	1228				
7	1187'			C40059007	GUY STRAND, 5/8" EHS (1 @ 401', 2 @ 393')	965				
8					GUY HARDWARE					
9	3 KITS			C40100024	HARDWARE KIT FOR 3/8" DIAMETER EHS GUY STRAND	42				
10	3 KITS			C40100027	HARDWARE KIT FOR 7/16" DIAMETER EHS GUY STRAND	46				
11	3 KITS			C40100014	HARDWARE KIT FOR 9/16" DIAMETER EHS GUY STRAND	80				
12	3 KITS			C40100015	HARDWARE KIT FOR 5/8" DIAMETER EHS GUY STRAND	95				
13	3 KITS			C40100016	HARDWARE KIT FOR 3/4" DIAMETER EHS GUY STRAND	153				
14										
15										
16										
17										
18										
19										
20										

					DATE	1/15/18	JOB NO.	400253
					DRAWN BY	DLK	PRINT NO.	BOM-1
					CHECKED BY	KTW ✓	PAGE	3 OF 5
REV	DATE	DRW	CHK	DESCRIPTION				



CUSTOMER : MUNICIPAL COMMUNICATIONS LLC

SITE : ROUND LAKE, FL

B.O.M. 300 FT. MODEL 3600 SRWD GUYED TOWER

PC=PIECE
PLT=PALLET
BDL=BUNDLE
CRT=CRATE
D=DRUM
BX=BOX

OR=ORANGE
WH=WHITE
O/W=OR & WH
N/R=NOT REQ'D
SP=SPECIAL

PACKING

ITEM NO.	NO. REQ'D.	DRAWING		PART NO.	DESCRIPTION	TOTAL WEIGHT LBS.	PAINT	KIT	QTY OF PKG'S	PKG. NO.
		NUMBER	REV							
1					SAFETY CLIMB					
2	1 KIT			C30012056	300' TUF-TUG SAFETY CLIMB MATERIAL	118				
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										

					DATE	1/15/18	JOB NO.	400253
					DRAWN BY	DLK	PRINT NO.	BOM-1
					CHECKED BY	KTW ✓	PAGE	4 OF 5
REV	DATE	DRW	CHK	DESCRIPTION				



CUSTOMER : MUNICIPAL COMMUNICATIONS LLC

SITE : ROUND LAKE, FL

B.O.M. 300 FT. MODEL 3600 SRWD GUYED TOWER

PC=PIECE
PLT=PALLET
BDL=BUNDLE
CRT=CRATE
D=DRUM
BX=BOX

OR=ORANGE
WH=WHITE
O/W=OR & WH
N/R=NOT REQ'D
SP=SPECIAL

PACKING

ITEM NO.	NO. REQ'D.	DRAWING		PART NO.	DESCRIPTION	TOTAL WEIGHT LBS.	PAINT	KIT	QTY OF PKG'S	PKG. NO.
		NUMBER	REV							
1					BASE BEARING PLATE					
2	1	C30902001	1	C30902001	BEARING PLATE, 1 1/2 X 1'-10 DIAMETER	167				
3					WIRE ROPE CLIPS					
4	3			C40056003	WIRE ROPE CLIP, 5/16"	1				
5					LIGHTNING ROD					
6	1			C30086005	LIGHTNING ROD 5/8"Ø X 5'-0" CCS W/(2) NUT, LKW, & FLW	5				
7					BEACON MOUNTS					
8	1 KIT			C30019101	BEACON PLATE KIT	16				
9					TOWER HARDWARE					
10	135			C40026047	BOLT ASSEMBLY, 3/4 Ø X 3 A325	111				
11					MISCELLANEOUS					
12	1			C40068001	COLD GALVANIZING SPRAY	1				
13	1			C40024003	BOLT ASSEMBLY, 3/8 Ø X 1 1/4 GR 5 (FULL THREAD)	1				
14	1			C40031001	FLATWASHER, 3/8 Ø HARDENED ASTM F436	1				
15	1	CS00500	0	CS00500	TOWER NAME PLATE	1				
16										
17										
18										
19										
20										

					DATE	2/5/18	JOB NO.	400253
					DRAWN BY	PSB	PRINT NO.	BOM-1
					CHECKED BY	KTW ✓	PAGE	5 OF 5
REV	DATE	DRW	CHK	DESCRIPTION				