Rev 7.0.2 Release (06/26/2018)

ATC TOWER INSPECTION FORM



ANSI-TIA-222 Compliant

Page 1

	SECTION A - SITE IN	NFORMATION	
ATC Site Number	: 36075	ATC Site Name, State	: LEE S SUMMIT #1B
Site Address	: 2200 LOWENSTEIN	Number of Compounds	
City/State	: Lees Summit, MO 64081	Date of Inspection	: 1/27/20
Contractor Name	: TOWER ENGINEERING PROFESSIONAL		: Lee S Summit (36075)_478.JPG
nspection Completed By	: Ricardo Martinez, Tyler Hazen	SC Tagged Out?	: No
· ·	SECTION B - TOWER		
Structure Type	: Guyed	# of Tower Legs	: 3
Tower Height	: 480'		: Yes Location: BC Face
Overall Structure Height	: 497'	Safety Climb Manuf.	: Tuf-Tug Climbing Facil. Face
ower Manufacturer	: CNR	AM Detuning ?	: No
	SECTION C - SITE INFORM	ATION CATEGORIES	
SECTION A - Site Informa SECTION B - Tower Infor SECTION C - Tower Infor SECTION D - Summary o SECTION E - Tower Four SECTION F - Tower Struc	nationSECTION H - Groundnation Summary CommentsSECTION I - Guy AnDeficienciesSECTION J - AM Dedation CommentsSECTION K - Complete	ding Comments nchors & Wires Comments etuning Comments	
	SECTION D- SUMMARY O	F OBSERVATIONS	
nstructions: List Comm	ents in Sections E through J as applicable. Section D Sum	mary will automatically populat	te.
	served at 139', 350', 380', on BC Face due to Carrier Mount. Cli		Photos: Lee S Summit (36075)_076.JPG, L
	b system installed to 80", on BC Face is recommended for repla		Photos: Lee S Summit (36075)_299.JPG,
	vas observed to be inadequate, there are currently (0) installed p		Photos: Lee S Summit (36075)_331.JPG,
	hbuckle(s) at Guy Level 4' on Outer Anchor B is recommended of		Photos: Lee S Summit (36075)_428.JPG
	nbuckle(s) at Guy Level 4' on Outer Anchor A is recommended of	due to following reason(s): At or	Photos: Lee S Summit (36075)_460.JPG
).			Photos:
,			Photos:
)			Photos:
0.			Photos:
0.			Photos: Photos:
2.			Photos:
3.			Photos:
4.			Photos:
5.			Photos:
6.			Photos:
17.			Photos:
18.			Photos:
19.			Photos:
			Photos:
20.	SECTION E - TOWER		Photos:
20. Instructions Fower base should be visu Settlement. Any such settle Base drains (if present) s Base insulators (if present nade for any evidence of co All discrepancies <u>must</u> b	SECTION E - TOWER ally inspected for spalling and cracking of the concrete. The soil ment or movement should be noted. hould be clear of any obstructions. Penetrate drain with object to t) - The porcelain surface should be wiped clean with a soft clott eterioration or cracks in the porcelain surface. marked with masking tape and magic marker. e noted and photographed and numbered.	surrounding the tower base foun	dation should be inspected for evidence of
20. <u>Instructions</u> Tower base should be visu settlement. Any such settle Base drains (if present) s Base insulators (if present) nade for any evidence of c All discrepancies <u>must</u> be All discrepancies <u>must</u> be s tower center pin in place	ally inspected for spalling and cracking of the concrete. The soil ment or movement should be noted. hould be clear of any obstructions. Penetrate drain with object to t) - The porcelain surface should be wiped clean with a soft cloth eterioration or cracks in the porcelain surface. a marked with masking tape and magic marker. a noted and photographed and numbered.	surrounding the tower base foun	dation should be inspected for evidence of other foreign substance. A check should be
nstructions Fower base should be visu ettlement. Any such settle Base drains (if present) s Base insulators (if present) nade for any evidence of c All discrepancies <u>must</u> be All discrepancies <u>must</u> be stower center pin in place s tower center pin free of c	ally inspected for spalling and cracking of the concrete. The soil ment or movement should be noted. hould be clear of any obstructions. Penetrate drain with object to t) - The porcelain surface should be wiped clean with a soft clot eterioration or cracks in the porcelain surface. a marked with masking tape and magic marker. a noted and photographed and numbered.	surrounding the tower base foun	dation should be inspected for evidence of other foreign substance. A check should be
20. Instructions Fower base should be visue Settlement. Any such settle Base drains (if present) settle Base insulators (if present) ande for any evidence of co All discrepancies must be All discrepancies must be s tower center pin in place s tower center pin free of co Are all base plate bolts, nur	ally inspected for spalling and cracking of the concrete. The soil ment or movement should be noted. hould be clear of any obstructions. Penetrate drain with object to t) - The porcelain surface should be wiped clean with a soft cloth eterioration or cracks in the porcelain surface. a marked with masking tape and magic marker. a noted and photographed and numbered. corrosion? s, and washers present?	surrounding the tower base foun	dation should be inspected for evidence of other foreign substance. A check should be <i>If any comments exceed one row</i> <i>please expand the row height so that</i>
20. <u>Instructions</u> Fower base should be visu settlement. Any such settle Base drains (if present) s Base insulators (if present) nade for any evidence of c All discrepancies <u>must</u> b All discrepancies <u>must</u> b s tower center pin in place s tower center pin free of c Are all base plate bolts, nur s the tower foundation in g	ally inspected for spalling and cracking of the concrete. The soil ment or movement should be noted. hould be clear of any obstructions. Penetrate drain with object to t) - The porcelain surface should be wiped clean with a soft cloth eterioration or cracks in the porcelain surface. a marked with masking tape and magic marker. a noted and photographed and numbered. corrosion? s, and washers present? pod condition? (No cracking, spalling, or settling)	surrounding the tower base foun	dation should be inspected for evidence of other foreign substance. A check should be [If any comments exceed one row please expand the row height so that all of the text is visible. To expand
nstructions Tower base should be visue the tettlement. Any such settle Base drains (if present) s Base insulators (if present) ande for any evidence of co All discrepancies <u>must</u> be All discrepancies <u>must</u> be stower center pin in place s tower center pin free of co are all base plate bolts, nur s the tower foundation in g s the concrete tower base	ally inspected for spalling and cracking of the concrete. The soil ment or movement should be noted. hould be clear of any obstructions. Penetrate drain with object to t) - The porcelain surface should be wiped clean with a soft cloth eterioration or cracks in the porcelain surface. a marked with masking tape and magic marker. a noted and photographed and numbered. corrosion? s, and washers present? bod condition? (No cracking, spalling, or settling) free from standing water?	surrounding the tower base foun	dation should be inspected for evidence of other foreign substance. A check should be If any comments exceed one row please expand the row height so that all of the text is visible. To expand rows automatically, click the Select
nstructions Tower base should be visue tettlement. Any such settle Base drains (if present) s Base insulators (if present) ande for any evidence of co All discrepancies <u>must</u> be All discrepancies <u>must</u> be stower center pin in place is tower center pin free of co are all base plate bolts, nur is the tower foundation in g is the concrete tower base are base drains clear and f	ally inspected for spalling and cracking of the concrete. The soil ment or movement should be noted. hould be clear of any obstructions. Penetrate drain with object to t) - The porcelain surface should be wiped clean with a soft cloth eterioration or cracks in the porcelain surface. a marked with masking tape and magic marker. a noted and photographed and numbered. corrosion? s, and washers present? bod condition? (No cracking, spalling, or settling) iree from standing water? ree flowing? (Drains required only under tubular legs.)	surrounding the tower base foun	dation should be inspected for evidence of other foreign substance. A check should be If any comments exceed one row please expand the row height so that all of the text is visible. To expand rows automatically, click the Select All button, then click AutoFit Row
20. Instructions Fower base should be visue Settlement. Any such settle Base drains (if present) is Base insulators (if present) ande for any evidence of co All discrepancies must be All discrepancies must be a tower center pin in place is tower center pin free of co Are all base plate bolts, nur is the tower foundation in g is the concrete tower base Are base drains clear and for is porcelain surface of base	ally inspected for spalling and cracking of the concrete. The soil ment or movement should be noted. hould be clear of any obstructions. Penetrate drain with object to t) - The porcelain surface should be wiped clean with a soft cloth eterioration or cracks in the porcelain surface. a marked with masking tape and magic marker. a noted and photographed and numbered. corrosion? s, and washers present? bod condition? (No cracking, spalling, or settling) free from standing water? ree flowing? (Drains required only under tubular legs.) insulators in good condition? (No deterioration or cracking)	surrounding the tower base foun	dation should be inspected for evidence of other foreign substance. A check should be If any comments exceed one row please expand the row height so that all of the text is visible. To expand rows automatically, click the Select
20. <u>nstructions</u> Fower base should be visue settlement. Any such settle Base drains (if present) is Base insulators (if present) made for any evidence of con- All discrepancies <u>must</u> be All discrepancies <u>must</u> be s tower center pin in place is tower center pin free of co- Are all base plate bolts, nur- is the tower foundation in g is the concrete tower base Are base drains clear and for s porcelain surface of base is the soil around the found	ally inspected for spalling and cracking of the concrete. The soil ment or movement should be noted. hould be clear of any obstructions. Penetrate drain with object to t) - The porcelain surface should be wiped clean with a soft cloth eterioration or cracks in the porcelain surface. a marked with masking tape and magic marker. a noted and photographed and numbered. corrosion? s, and washers present? bod condition? (No cracking, spalling, or settling) iree from standing water? ree flowing? (Drains required only under tubular legs.)	surrounding the tower base foun	dation should be inspected for evidence of other foreign substance. A check should be [f any comments exceed one row please expand the row height so that all of the text is visible. To expand rows automatically, click the Select All button, then click AutoFit Row
20. Instructions Fower base should be visue Settlement. Any such settle Base drains (if present) is Base insulators (if present) ande for any evidence of co All discrepancies must be All discrepancies must be a tower center pin in place is tower center pin free of co Are all base plate bolts, nur is the tower foundation in g is the concrete tower base Are base drains clear and for a porcelain surface of base	ally inspected for spalling and cracking of the concrete. The soil ment or movement should be noted. hould be clear of any obstructions. Penetrate drain with object to t) - The porcelain surface should be wiped clean with a soft cloth eterioration or cracks in the porcelain surface. a marked with masking tape and magic marker. a noted and photographed and numbered. corrosion? s, and washers present? bod condition? (No cracking, spalling, or settling) free from standing water? ree flowing? (Drains required only under tubular legs.) insulators in good condition? (No deterioration or cracking)	surrounding the tower base foun	dation should be inspected for evidence of other foreign substance. A check should be If any comments exceed one row please expand the row height so that all of the text is visible. To expand rows automatically, click the Select All button, then click AutoFit Row Height in the Cells/Format box.
nstructions Tower base should be visu asettlement . Any such settle Base drains (if present) s Base insulators (if present) nade for any evidence of c All discrepancies <u>must</u> be All discrepancies <u>must</u> be as tower center pin in place s tower center pin in place s tower center pin free of c Are all base plate bolts, nur s the tower foundation in g s the concrete tower base Are base drains clear and f s porcelain surface of base s the soil around the found	ally inspected for spalling and cracking of the concrete. The soil ment or movement should be noted. hould be clear of any obstructions. Penetrate drain with object to t) - The porcelain surface should be wiped clean with a soft cloth eterioration or cracks in the porcelain surface. a marked with masking tape and magic marker. a noted and photographed and numbered. corrosion? s, and washers present? bod condition? (No cracking, spalling, or settling) free from standing water? ree flowing? (Drains required only under tubular legs.) insulators in good condition? (No deterioration or cracking)	surrounding the tower base foun	dation should be inspected for evidence of other foreign substance. A check should be If any comments exceed one row please expand the row height so that all of the text is visible. To expand rows automatically, click the Select All button, then click AutoFit Row Height in the Cells/Format box.
nstructions Tower base should be visue the tettlement. Any such settle Base drains (if present) is Base insulators (if present) and a for any evidence of co All discrepancies <u>must</u> be and the for any evidence of co All discrepancies <u>must</u> be a tower center pin in place is tower center pin free of co are all base plate bolts, nur is the tower foundation in g is the concrete tower base are base drains clear and f is porcelain surface of base is the soil around the found comments:	ally inspected for spalling and cracking of the concrete. The soil ment or movement should be noted. hould be clear of any obstructions. Penetrate drain with object to t) - The porcelain surface should be wiped clean with a soft cloth eterioration or cracks in the porcelain surface. a marked with masking tape and magic marker. a noted and photographed and numbered. corrosion? s, and washers present? bod condition? (No cracking, spalling, or settling) free from standing water? ree flowing? (Drains required only under tubular legs.) insulators in good condition? (No deterioration or cracking)	surrounding the tower base foun	dation should be inspected for evidence of other foreign substance. A check should be If any comments exceed one row please expand the row height so that all of the text is visible. To expand rows automatically, click the Select All button, then click AutoFit Row Height in the Cells/Format box.
nstructions Tower base should be visue tettlement. Any such settle Base drains (if present) is Base insulators (if present) ande for any evidence of contract of the All discrepancies must be all discrepancies must be stower center pin in place is tower center pin free of contract of the are all base plate bolts, nur is the tower foundation in g is the concrete tower base are base drains clear and fis is porcelain surface of base is the soil around the found comments:	ally inspected for spalling and cracking of the concrete. The soil ment or movement should be noted. hould be clear of any obstructions. Penetrate drain with object to t) - The porcelain surface should be wiped clean with a soft cloth eterioration or cracks in the porcelain surface. a marked with masking tape and magic marker. a noted and photographed and numbered. corrosion? s, and washers present? bod condition? (No cracking, spalling, or settling) free from standing water? ree flowing? (Drains required only under tubular legs.) insulators in good condition? (No deterioration or cracking)	surrounding the tower base foun	dation should be inspected for evidence of other foreign substance. A check should be If any comments exceed one row please expand the row height so that all of the text is visible. To expand rows automatically, click the Select All button, then click AutoFit Row Height in the Cells/Format box. Photos: Photos: Photos:
0. <u>instructions</u> rower base should be visue ettlement. Any such settles Base drains (if present) is Base insulators (if present) inde for any evidence of con- state for any evidence of con- control discrepancies <u>must</u> be stower center pin in place is tower center pin free of con- are all base plate bolts, nur- is the tower foundation in g is the concrete tower base we base drains clear and for is the soil around the found comments:	ally inspected for spalling and cracking of the concrete. The soil ment or movement should be noted. hould be clear of any obstructions. Penetrate drain with object to t) - The porcelain surface should be wiped clean with a soft cloth eterioration or cracks in the porcelain surface. a marked with masking tape and magic marker. a noted and photographed and numbered. corrosion? s, and washers present? bod condition? (No cracking, spalling, or settling) free from standing water? ree flowing? (Drains required only under tubular legs.) insulators in good condition? (No deterioration or cracking)	surrounding the tower base foun	dation should be inspected for evidence of other foreign substance. A check should be If any comments exceed one row please expand the row height so that all of the text is visible. To expand rows automatically, click the Select All button, then click AutoFit Row Height in the Cells/Format box. Photos: Photos: Photos: Photos:
ID . ID . I	ally inspected for spalling and cracking of the concrete. The soil ment or movement should be noted. hould be clear of any obstructions. Penetrate drain with object to t) - The porcelain surface should be wiped clean with a soft cloth eterioration or cracks in the porcelain surface. a marked with masking tape and magic marker. a noted and photographed and numbered. corrosion? s, and washers present? bod condition? (No cracking, spalling, or settling) free from standing water? ree flowing? (Drains required only under tubular legs.) insulators in good condition? (No deterioration or cracking)	surrounding the tower base foun	dation should be inspected for evidence of other foreign substance. A check should be If any comments exceed one row please expand the row height so that all of the text is visible. To expand rows automatically, click the Select All button, then click AutoFit Row Height in the Cells/Format box. Photos: Photos: Photos: Photos:
nstructions Tower base should be visu asettlement . Any such settle Base drains (if present) s Base insulators (if present) nade for any evidence of c All discrepancies <u>must</u> be All discrepancies <u>must</u> be as tower center pin in place s tower center pin in place s tower center pin free of c Are all base plate bolts, nur s the tower foundation in g s the concrete tower base Are base drains clear and f s porcelain surface of base s the soil around the found	ally inspected for spalling and cracking of the concrete. The soil ment or movement should be noted. hould be clear of any obstructions. Penetrate drain with object to t) - The porcelain surface should be wiped clean with a soft cloth eterioration or cracks in the porcelain surface. a marked with masking tape and magic marker. a noted and photographed and numbered. corrosion? s, and washers present? bod condition? (No cracking, spalling, or settling) free from standing water? ree flowing? (Drains required only under tubular legs.) insulators in good condition? (No deterioration or cracking)	surrounding the tower base foun	dation should be inspected for evidence of other foreign substance. A check should be If any comments exceed one row please expand the row height so that all of the text is visible. To expand rows automatically, click the Select All button, then click AutoFit Row Height in the Cells/Format box. Photos: Photos: Photos: Photos:

9.	Photos:	
10.	Photos:	

SECTION F - TOWER STRUCTURE

Page 2

Instructions

Corrosion - If corrosion is observed, the source should be determined and noted.

Damaged or faulty members - A visual inspection must be made of the entire tower structure to determine if any of the members have been deformed or damaged. Any bowed, bent or damaged member/bolt should be noted as to part number, size, location on tower, nature and magnitude of deformation or damage. Do not remove any tower member for replacement unless authorized by ATC Engineering Dept - Signed/Sealed Construction Drawings are required if a All discrepancies must be marked with masking tape and magic marker. All discrepancies must be noted and photographed before and after repair.

Is the tower free of rust? (If "No", be specific in the comments below.) Are all structural members straight and not damaged, bent, and/or missing? Is the tower finish in good condition? (No obvious signs of cracking)

Comments:

1.	Photos:
2.	Photos:
3.	Photos:
4.	Photos:
5.	Photos:
6.	Photos:
7.	Photos:
8.	Photos:
9.	Photos:
10.	Photos:
11.	Photos:
12.	Photos:
13.	Photos:
14.	Photos:
15.	Photos:
16.	Photos:
17.	Photos:
18.	Photos:
19.	Photos:
20.	Photos:
21.	Photos:
22.	Photos:
23.	Photos:
24.	Photos:
25.	Photos:

SECTION G - SAFETY

Instructions

Safety is paramount- Report anything that makes it unsafe to operate or maintain this tower to ATC immediately.

All discrepancies must be marked with masking tape and magic marker. All discrepancies must be noted and photographed before and after repair.

Is there a safety climb system?

Are all components of the safety climb system free of rust?

Is the cable free from kinks, fraying, broken wires or strands or other damage?

Is the climbing path free from obstructions allowing a clear path for the cable?

Is the cable secured by properly spaced cable guides?

Is the total system properly installed including the top connection? If No, correct and note.

Is the FCC and ATC signage apparent and placed properly.

Comments:

1.	Climbing obstruction observed at 139', 350', 380', on BC Face due to Carrier Mount. Climber does not have to	Photos: Lee S Summit (36075)_076.JPG,
2.	The Tuf-Tug safety climb system installed to 80", on BC Face is recommended for replacement due to the following	Photos: Lee S Summit (36075)_299.JPG,
3.		Photos:
4.		Photos:
5.		Photos:
6.		Photos:
7.		Photos:
8.		Photos:
9.		Photos:
10		Photos:

SECTION H - GROUNDING

Instructions

Connections - The connections above grade should be visually checked for loose fittings, ensure wires are snug in mechanical connections or well bonded with exothermic connections at the base of the tower.

Ground Wires - The ground wires at the base should be cad welded to each leg.

Take a photo of the grounding at the base and at each anchor.

All discrepancies must be marked with masking tape and magic marker. All discrepancies must be noted and photographed before and after repair.

Is the tower base properly grounded?

Are the guy cables and/or guy anchor heads properly grounded?

Are ground wires and connections in satisfactory condition?

Is the lightning rod mounted such that it is secured to the structure and not at risk of falling?

Comments:	
1. Tower base grounding was observed to be inadequate, there are currently (0) installed properly.	Photos: Lee S Summit (36075)_331.JPG,
2.	Photos:
3.	Photos:
4.	Photos:
5.	Photos:
6.	Photos:
7.	Photos:
8.	Photos:
9.	Photos:
10.	Photos:

SECTION I - GUY ANCHORS & WIRES

Copyright © ATC IP, LLC - All Rights Reserved

Page 3

Instructions

All discrepancies must be marked with masking tape and magic marker and must be noted and photographed.

Are the guy cables & paths clear of brush, vegetation, fencing or any other obstruction?

Are the anchor heads and rods free from any bends and/or fractures?

Are the anchor heads and turnbuckle hardware free from soil build-up?

Are exposed guy anchor foundations free from cracking, weathering?

Do the turnbuckles have room for adjusting tensions? (Not fully extended or contracted?)

Are the anchor heads free of corrosion?

Is guy anchor rod laterally aligned? Are guy wires free of broken strands or insulators?

Are the guy dampers secured and in good condition?

Are all shackles, clevises, thimbles, cotter pins, and Crosby clamps properly installed?

Are the dead-end grips in good condition?

Are the dead-end grip end-sleeves (ice-clips) installed?

Are guy wires and guy hardware free of corrosion?

Is each turnbuckle safety wire properly installed and secure? If not, make corrections.

Are guy wire connections in satisfactory condition?

Are guy attachment points to tower in good condition?

Note - If anchor shafts show signs of heavy corrosion at any point, stop digging immediately and complete the remainder of the inspection.

Comments:

commenta.	
1. Replacement of (1) Turnbuckle(s) at Guy Level 4' on Outer Anchor B is recommended due to following reason(s): At or	Photos: Lee S Summit (36075)_428.JPG
2. Replacement of (2) Turnbuckle(s) at Guy Level 4' on Outer Anchor A is recommended due to following reason(s): At or	Photos: Lee S Summit (36075)_460.JPG
3.	Photos:
4.	Photos:
5.	Photos:
6.	Photos:
7.	Photos:
8.	Photos:
9.	Photos:
10.	Photos:
11.	Photos:
12.	Photos:
13.	Photos:
14.	Photos:
15.	Photos:

SECTION J- AM DETUNING

Instructions

All discrepancies <u>must</u> be marked with masking tape and magic marker and must be noted and photographed.

Note: If the tower has a base insulator (decommissioned AM hot tower) the box next to the tower with a single wire feed is NOT an AM detuning device.

Is there an AM Detuning system on the tower?

Are the AM Detuning skirt wires securely attached to the tower?

Are the AM Detuning wires in good condition? (Broken, sharp bends, etc)

Is the AM Detuning box securely attached to the tower or other mounting system?

Is the AM Detuning box in good condition? (Sealed, loose or missing hardware, etc)

Is the exterior of the AM Detuning box free of rust and corrosion?

Is the AM Detuning system properly grounded?

Comments:

1.	Photos:
2.	Photos:
3.	Photos:
4.	Photos:
5.	Photos:

SECTION K - COMPLIANCE

By signing this report:

- I understand that this information and form are the sole property of American Tower Corporation (ATC) and may not be copied or shared without written permission from ATC.

- I certify that any conditions or items omitted in this report were observed to be in acceptable condition per the criteria specifed in the ATC Standard of Care and my own professional experience and judgement.

- I certify this report to be accurate and complete to the best of my knowledge and belief.

Name : Matthew Weber

Company : Tower Engineering Professionals

Date : 2/4/20

14 a #		26075						C/0040)							
ite # ite Name		36075	JMMIT #1B			Rev 7.0.2	Release (06/20	6/2018)							
Contractor			ENGINEERIN	G PROFES	SIONA	J L									
ompletec			Aartinez, Tyler			ī		_							
ate	-	1/27/20	, ,			AMERICAN TOWER®									
		F	PRE-TE	NSIO	NINC	G GI	JY TEN	ISION	MF	ASU	RFN	ΛFN.	TS		
Noto - (Cabla sizas		neasured with												
			easurements a			•									
izes at c	one elevatio	on are the	same for all le	gs, photos o	of size				Wind S	peed (N	(IPH)			8	
neasurei	ements of o	nly one leg	g are required.							irection	,			Northwest	
Northerr	nmost (A)	Anchor)													
					Cabl	e Size	Paint		Measu	ed Tens	ion (I b	s) - Use			
		Dist. To	Guy	Oskia		rement -	Color on	T				Sy - Ose Suy Pull-	Design	Tens	
	Elev. (Ft.)	Anchor	Attachment	Cable Const.		Note	Dead-End	Temp.		- *See N		-	Initial Tension (%	(6%-'	16%)
_evel		(Ft.)	Туре	Const.	aD	ove	Grip (lf	(°F)	GP /				of B.S.)		
					Size	Photo#	visible)		Left	Photo#	Right	Photo#		GP / Left	Right
1	70.0	146	Guy Pull-Off	7 Strand	1/2	mit (360 ⁻	Blue	41	3420	nit (360	75)_14	.JPG	N/A	11.1%	
2	138.0	146	Stabilizer	7 Strand		mit (360 ⁻		41	-			nit (360		11.8%	9.5%
3	220.0	146	Stabilizer	7 Strand		mit (360		41				nit (360		10.4%	11.3%
4	300.0	293.5	Stabilizer	7 Strand		mit (360 [°]		41				nit (360	N/A	9.4%	9.8%
5	380.0	293.5	Stabilizer Stabilizer	19 Strand		mit (360 [°]	Ŭ	41 41				nit (360 nit (360		10.3%	10.5%
6	460.0	293.5	Stabilizer	19 Strand	3/4	mit (360 ⁻	Orange	41	6040	1111 (360	0120	nit (360	IN/A	9.8%	10.0%
7															
9															
10															
11															
12															
B Anch		Dist. To	Guy	Cable	measu	e Size Irement Note	Paint Color on	Temp.		ured Te GP/Left Guy P	" colur		Design Initial	Tension (6%-16%)	
_evel	Elev. (Ft.)	Anchor	Attachment	Const.		ove	Dead-End	(°F)	*	•		/e	Tension (%	(070-	1070
										*See Note above					
		(Ft.)	Туре		Sino	Dhata#	Grip (lf		GP /	Dh ata#		Dhata#	of B.S.)		Diaht
					Size	Photo#	visible)		GP / Left	Photo#	Right	Photo#		GP / Left	Right
1	70.0	148	Guy Pull-Off	7 Strand	1/2	mit (360 ⁻	visible) Blue	41	GP / Left 3660	nit (360	Right 75)_13	.JPG	N/A	11.9%	_
1 2	138.0	148 148	Guy Pull-Off Stabilizer	7 Strand 7 Strand	1/2 9/16	mit (360 ⁻ mit (360 ⁻	visible) Blue Yellow	41 41	GP / Left 3660 3720	nit (360 nit (360	Right 75)_13 4620	.JPG nit (360	N/A N/A	11.9% 9.7%	12.1%
1 2 3	138.0 220.0	148 148 148	Guy Pull-Off Stabilizer Stabilizer	7 Strand 7 Strand 7 Strand	1/2 9/16 9/16	mit (360 mit (360 mit (360	visible) Blue Yellow Yellow	41 41 41	GP / Left 3660 3720 3440	nit (360 nit (360 nit (360	Right 75)_13 4620 3720	.JPG nit (360 nit (360	N/A N/A N/A	11.9% 9.7% 9.3%	12.1% 10.1%
1 2 3 4	138.0 220.0 300.0	148 148 148 294	Guy Pull-Off Stabilizer Stabilizer Stabilizer	7 Strand 7 Strand 7 Strand 7 Strand	1/2 9/16 9/16 5/8	mit (360) mit (360) mit (360) mit (360)	visible) Blue Yellow Yellow Black	41 41 41 41	GP / Left 3660 3720 3440 4260	nit (360 nit (360 nit (360 nit (360	Right 75)_13 4620 3720 4380	.JPG nit (360 nit (360 nit (360	N/A N/A N/A N/A	11.9% 9.7% 9.3% 9.2%	12.1% 10.1% 9.5%
1 2 3 3 4 5	138.0 220.0 300.0 380.0	148 148 148 294 294	Guy Pull-Off Stabilizer Stabilizer Stabilizer Stabilizer	7 Strand 7 Strand 7 Strand 7 Strand 19 Strand	1/2 9/16 9/16 5/8 3/4	nit (360) nit (360) nit (360) nit (360) nit (360)	visible) Blue Yellow Yellow Black Orange	41 41 41 41 41 41	GP / Left 3660 3720 3440 4260 6160	nit (360 nit (360 nit (360 nit (360 nit (360	Right 75)_13 4620 3720 4380 6020	.JPG nit (360 nit (360 nit (360 nit (360	N/A N/A N/A N/A N/A	11.9% 9.7% 9.3% 9.2% 9.9%	12.1% 10.1% 9.5% 9.7%
1 2 3 4	138.0 220.0 300.0	148 148 148 294	Guy Pull-Off Stabilizer Stabilizer Stabilizer	7 Strand 7 Strand 7 Strand 7 Strand	1/2 9/16 9/16 5/8	mit (360) mit (360) mit (360) mit (360)	visible) Blue Yellow Yellow Black Orange	41 41 41 41	GP / Left 3660 3720 3440 4260 6160	nit (360 nit (360 nit (360 nit (360 nit (360	Right 75)_13 4620 3720 4380 6020	.JPG nit (360 nit (360 nit (360	N/A N/A N/A N/A N/A	11.9% 9.7% 9.3% 9.2%	12.1% 10.1% 9.5%
1 2 3 4 5 6	138.0 220.0 300.0 380.0	148 148 148 294 294	Guy Pull-Off Stabilizer Stabilizer Stabilizer Stabilizer	7 Strand 7 Strand 7 Strand 7 Strand 19 Strand	1/2 9/16 9/16 5/8 3/4	nit (360) nit (360) nit (360) nit (360) nit (360)	visible) Blue Yellow Yellow Black Orange	41 41 41 41 41 41	GP / Left 3660 3720 3440 4260 6160	nit (360 nit (360 nit (360 nit (360 nit (360	Right 75)_13 4620 3720 4380 6020	.JPG nit (360 nit (360 nit (360 nit (360	N/A N/A N/A N/A N/A	11.9% 9.7% 9.3% 9.2% 9.9%	12.1% 10.1% 9.5% 9.7%
1 2 3 4 5 6 7 8 9	138.0 220.0 300.0 380.0	148 148 148 294 294	Guy Pull-Off Stabilizer Stabilizer Stabilizer Stabilizer	7 Strand 7 Strand 7 Strand 7 Strand 19 Strand	1/2 9/16 9/16 5/8 3/4	nit (360) nit (360) nit (360) nit (360) nit (360)	visible) Blue Yellow Yellow Black Orange	41 41 41 41 41 41	GP / Left 3660 3720 3440 4260 6160	nit (360 nit (360 nit (360 nit (360 nit (360	Right 75)_13 4620 3720 4380 6020	.JPG nit (360 nit (360 nit (360 nit (360	N/A N/A N/A N/A N/A	11.9% 9.7% 9.3% 9.2% 9.9%	12.1% 10.1% 9.5% 9.7%
1 2 3 4 5 5 6 1 7 1 8 1 9 1	138.0 220.0 300.0 380.0	148 148 148 294 294	Guy Pull-Off Stabilizer Stabilizer Stabilizer Stabilizer	7 Strand 7 Strand 7 Strand 7 Strand 19 Strand	1/2 9/16 9/16 5/8 3/4	nit (360) nit (360) nit (360) nit (360) nit (360)	visible) Blue Yellow Yellow Black Orange	41 41 41 41 41 41	GP / Left 3660 3720 3440 4260 6160	nit (360 nit (360 nit (360 nit (360 nit (360	Right 75)_13 4620 3720 4380 6020	.JPG nit (360 nit (360 nit (360 nit (360	N/A N/A N/A N/A N/A	11.9% 9.7% 9.3% 9.2% 9.9%	12.1% 10.1% 9.5% 9.7%
1 2 3 4 5 5 6 7 7 1 8 9 10 1	138.0 220.0 300.0 380.0	148 148 148 294 294	Guy Pull-Off Stabilizer Stabilizer Stabilizer Stabilizer	7 Strand 7 Strand 7 Strand 7 Strand 19 Strand	1/2 9/16 9/16 5/8 3/4	nit (360) nit (360) nit (360) nit (360) nit (360)	visible) Blue Yellow Yellow Black Orange	41 41 41 41 41 41	GP / Left 3660 3720 3440 4260 6160	nit (360 nit (360 nit (360 nit (360 nit (360	Right 75)_13 4620 3720 4380 6020	.JPG nit (360 nit (360 nit (360 nit (360	N/A N/A N/A N/A N/A	11.9% 9.7% 9.3% 9.2% 9.9%	12.1% 10.1% 9.5% 9.7%
1 2 3 4 5 5 6 1 7 1 8 1 9 1	138.0 220.0 300.0 380.0	148 148 148 294 294	Guy Pull-Off Stabilizer Stabilizer Stabilizer Stabilizer	7 Strand 7 Strand 7 Strand 7 Strand 19 Strand	1/2 9/16 9/16 5/8 3/4	nit (360) nit (360) nit (360) nit (360) nit (360)	visible) Blue Yellow Yellow Black Orange	41 41 41 41 41 41	GP / Left 3660 3720 3440 4260 6160	nit (360 nit (360 nit (360 nit (360 nit (360	Right 75)_13 4620 3720 4380 6020	.JPG nit (360 nit (360 nit (360 nit (360	N/A N/A N/A N/A N/A	11.9% 9.7% 9.3% 9.2% 9.9%	12.1% 10.1% 9.5% 9.7%
1 2 3 4 5 5 5 6 7 1 8 9 10 11 12 12 10 10 11 12 10 10 10 10 10 10 10 10 10 10 10 10 10	138.0 220.0 300.0 380.0 460.0	148 148 148 294 294	Guy Pull-Off Stabilizer Stabilizer Stabilizer Stabilizer	7 Strand 7 Strand 7 Strand 7 Strand 19 Strand	1/2 9/16 9/16 5/8 3/4	nit (360) nit (360) nit (360) nit (360) nit (360)	visible) Blue Yellow Yellow Black Orange	41 41 41 41 41 41	GP / Left 3660 3720 3440 4260 6160	nit (360 nit (360 nit (360 nit (360 nit (360	Right 75)_13 4620 3720 4380 6020	.JPG nit (360 nit (360 nit (360 nit (360	N/A N/A N/A N/A N/A	11.9% 9.7% 9.3% 9.2% 9.9%	12.1% 10.1% 9.5% 9.7%
1 2 3 4 5 5 6 7 7 1 8 9 10 1 11 1 12 1	138.0 220.0 300.0 380.0 460.0	148 148 148 294 294	Guy Pull-Off Stabilizer Stabilizer Stabilizer Stabilizer	7 Strand 7 Strand 7 Strand 7 Strand 19 Strand	1/2 9/16 9/16 5/8 3/4 3/4	nit (360 nit (360 nit (360 nit (360 nit (360	visible) Blue Yellow Yellow Black Orange Orange	41 41 41 41 41 41	GP / Left 3660 3720 3440 4260 6160 5960	nit (360 nit (360 nit (360 nit (360 nit (360	Right 75)_13 4620 3720 4380 6020 6000	.JPG nit (360 nit (360 nit (360 nit (360	N/A N/A N/A N/A N/A	11.9% 9.7% 9.3% 9.2% 9.9%	12.1% 10.1% 9.5% 9.7%
1 2 3 4 5 5 5 6 7 1 7 1 7 1 7 1 7 1 7 1 7 1 7 1 7 1 7	138.0 220.0 300.0 380.0 460.0	148 148 148 294 294 294	Guy Pull-Off Stabilizer Stabilizer Stabilizer Stabilizer	7 Strand 7 Strand 7 Strand 7 Strand 19 Strand	1/2 9/16 5/8 3/4 3/4	nit (360) nit (360) nit (360) nit (360) nit (360)	visible) Blue Yellow Yellow Black Orange Orange	41 41 41 41 41 41	GP / Left 3660 3720 3440 4260 6160 5960 	nit (360 nit (360 nit (360 nit (360 nit (360	Right 75)_13 4620 3720 4380 6020 6000	.JPG nit (360 nit (360 nit (360 nit (360	N/A N/A N/A N/A N/A	11.9% 9.7% 9.3% 9.2% 9.9% 9.7%	12.1% 10.1% 9.5% 9.7% 9.8%
1 2 3 3 4 5 5 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	138.0 220.0 300.0 380.0 460.0	148 148 294 294 294 294 294	Guy Pull-Off Stabilizer Stabilizer Stabilizer Stabilizer	7 Strand 7 Strand 7 Strand 7 Strand 19 Strand	1/2 9/16 5/8 3/4 3/4	nit (360 nit (360 nit (360 nit (360 nit (360 nit (360	visible) Blue Yellow Yellow Black Orange Orange	41 41 41 41 41 41	GP / Left 3660 3720 3440 4260 6160 5960 	nit (360 nit (360 nit (360 nit (360 nit (360	Right 75)_13 4620 3720 4380 6020 6000	.JPG nit (360 nit (360 nit (360 nit (360	N/A N/A N/A N/A N/A N/A	11.9% 9.7% 9.3% 9.2% 9.9%	12.1% 10.1% 9.5% 9.7% 9.8%
1 2 3 3 4 5 5 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	138.0 220.0 300.0 380.0 460.0	148 148 294 294 294 294 294 294	Guy Pull-Off Stabilizer Stabilizer Stabilizer Stabilizer 	7 Strand 7 Strand 7 Strand 19 Strand 19 Strand 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	1/2 9/16 9/16 5/8 3/4 3/4 	nit (360 nit (360)	visible) Blue Yellow Black Orange Orange Orange	41 41 41 41 41 41	GP / Left 3660 3720 3440 4260 6160 5960 	nit (360 nit (360 nit (360 nit (360 nit (360 nit (360	Right 75)_13 4620 3720 4380 6020 6000 	.JPG nit (360 nit (360 nit (360 nit (360 nit (360	N/A N/A N/A N/A N/A N/A	11.9% 9.7% 9.3% 9.2% 9.9% 9.7%	12.1% 10.1% 9.5% 9.7% 9.8%
1 2 3 4 3 4 5 5 6 7 7 6 9 10 10 11 12 10 12 10 Comm 11 Comm 12	138.0 220.0 300.0 380.0 460.0	148 148 294 294 294 294 294	Guy Pull-Off Stabilizer Stabilizer Stabilizer Stabilizer	7 Strand 7 Strand 7 Strand 19 Strand 19 Strand 19 Strand	1/2 9/16 9/16 5/8 3/4 3/4 	nit (360 nit (3	visible) Blue Yellow Black Orange Orange Orange	41 41 41 41 41 41 	GP / Left 3660 3720 3440 4260 6160 5960 5960 	nit (360 nit (360 nit (360 nit (360 nit (360 nit (360 nit (360 nit (360 See Not	Right 75)_13 4620 3720 4380 6020 6000 	.JPG nit (360 nit (360)	N/A N/A N/A N/A N/A N/A	11.9% 9.7% 9.3% 9.2% 9.9% 9.7%	12.1% 10.1% 9.5% 9.7% 9.8%
1 2 3 4 5 5 6 7 7 8 9 10 11 12 12 10 12 10 Comment 10 Guy E Buy E	138.0 220.0 300.0 380.0 460.0 	148 148 294 294 294 294 294 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Guy Pull-Off Stabilizer Stabilizer Stabilizer Stabilizer Stabilizer	7 Strand 7 Strand 7 Strand 19 Strand 19 Strand 4 4 5 5 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	1/2 9/16 5/8 3/4 3/4 	nit (360 nit (360) nit (360) nit (360) nit (360) nit (360) nit (360) e Size rement Note ove Photo#	visible) Blue Yellow Black Orange Orange Orange	41 41 41 41 41 41 	GP / Left 3660 3720 3440 4260 6160 5960 5960 	nit (360 nit (360 nit (360 nit (360 nit (360 nit (360 nit (360 nit (360 See Not Photo#	Right 75)_13 4620 3720 4380 6020 6000 	.JPG nit (360 nit (360 nit (360 nit (360 nit (360 	N/A N/A N/A N/A N/A N/A	11.9% 9.7% 9.3% 9.2% 9.9% 9.7% 	12.1% 10.1% 9.5% 9.7% 9.8%
1 2 3 3 4 5 6 7 8 9 1 10 1 11 1 12 7 Com	138.0 220.0 300.0 380.0 460.0 	148 148 294 294 294 294 294 294 294 Dist. To Anchor (Ft.) 146	Guy Pull-Off Stabilizer Stabilizer Stabilizer Stabilizer Stabilizer	7 Strand 7 Strand 7 Strand 19 Strand 19 Strand 4 4 4 5 5 6 6 7 Strand 7 Strand	1/2 9/16 5/8 3/4 3/4 	nit (360 nit (360) nit (360) nit (360) nit (360) nit (360) e Size rement Note ove Photo# nit (360)	visible) Blue Yellow Black Orange Orange Orange I I I I I I I I I I I I I I I I I I I	41 41 41 41 41 41 41 	GP / Left 3660 3720 3440 4260 6160 5960 5960 	nit (360 nit (360 nit (360 nit (360 nit (360 nit (360 nit (360 GP/Left Guy P See Not Photo# nit (360	Right 75)_13 4620 3720 4380 6020 6000 	.JPG nit (360 nit (360) nit (360 nit (360) nit	N/A N/A N/A N/A N/A N/A Design Initial Tension (% of B.S.)	11.9% 9.7% 9.3% 9.2% 9.9% 9.7% 	12.1% 10.1% 9.5% 9.7% 9.8%
1 2 2 3 4 3 5 5 6 3 7 3 9 3 10 1 11 1 12 3 Com	138.0 220.0 300.0 380.0 460.0 	148 148 294 294 294 294 294 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Guy Pull-Off Stabilizer Stabilizer Stabilizer Stabilizer Stabilizer	7 Strand 7 Strand 7 Strand 19 Strand 19 Strand 4 4 4 4 4 4 5 4 5 5 5 7 Strand 7 Strand 7 Strand	1/2 9/16 9/16 5/8 3/4 3/4 	nit (360 nit (360 nit (360 nit (360 nit (360 nit (360 nit (360 Note ove Photo# nit (360 nit (360)	visible) Blue Yellow Black Orange Orange Orange I I I I I I I I I I I I I I I I I I I	41 41 41 41 41 41 41 	GP / Left 3660 3720 3440 4260 6160 5960 	nit (360 nit (360 nit (360 nit (360 nit (360 nit (360 gP/Left GP/Left Guy P See Not Photo# nit (360 nit (360	Right 75)_13 4620 3720 4380 6020 6000 	.JPG nit (360 nit (360 nit (360 nit (360 nit (360 	N/A N/A N/A N/A N/A N/A Design Initial Tension (% of B.S.)	11.9% 9.7% 9.3% 9.2% 9.9% 9.7% 	12.1% 10.1% 9.5% 9.7% 9.8% 9.8% 500 16%) Right 11.9%
1 2 3 4 3 4 5 5 6 7 7 6 9 10 10 11 12 1 12 1 Com Com Guy evel 1 1 2 3 3	138.0 220.0 300.0 380.0 460.0 	148 148 294 294 294 294 294 294 294 Dist. To Anchor (Ft.) 146 146 146	Guy Pull-Off Stabilizer Stabilizer Stabilizer Stabilizer Stabilizer Guy Pull-Off Stabilizer Guy Pull-Off Stabilizer	7 Strand 7 Strand 7 Strand 19 Strand 19 Strand 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	1/2 9/16 9/16 5/8 3/4 3/4 	nit (360 nit (360 nit (360 nit (360 nit (360 nit (360 nit (360 Size rement Note ove Photo# nit (360 nit (360 nit (360 nit (360)	visible) Blue Yellow Black Orange Orange Orange I I I I I I I I I I I I I I I I I I I	41 41 41 41 41 41 41 	GP / Left 3660 3720 3440 4260 6160 5960 	nit (360 nit (360 nit (360 nit (360 nit (360 nit (360 GP/Left GP/Left Guy P See Not Photo# nit (360 nit (360 nit (360	Right 75)_13 4620 3720 4380 6020 6000 	.JPG nit (360 nit (360 nit (360 nit (360 nit (360 	N/A N/A N/A N/A N/A N/A N/A Design Initial Tension (% of B.S.) N/A N/A N/A	11.9% 9.7% 9.3% 9.2% 9.9% 9.7% 	12.1% 10.1% 9.5% 9.7% 9.8% 9.8% 9.8% 8 5 5 6 7 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8
1 2 3 4 3 4 5 5 6 7 7 8 9 1 10 1 11 1 12 1 Comit	138.0 220.0 300.0 380.0 460.0 	148 148 294 294 294 294 294 294 294 Dist. To Anchor (Ft.) 146 146 146 146 292	Guy Pull-Off Stabilizer Stabilizer Stabilizer Stabilizer Stabilizer Guy Pull-Off Stabilizer Stabilizer Stabilizer	7 Strand 7 Strand 7 Strand 19 Strand 19 Strand 4 4 4 4 4 5 5 6 6 7 7 Strand 7 Strand 7 Strand 7 Strand 7 Strand	1/2 9/16 9/16 5/8 3/4 3/4 	nit (360 nit (360) nit (360) nit (360) nit (360) nit (360) e Size rement Note ove Photo# nit (360) nit (360) nit (360) nit (360) nit (360)	visible) Blue Yellow Black Orange Orange Orange I I I I I I I I I I I I I I I I I I I	41 41 41 41 41 41 41 41 41 41 41 41 41 4	GP / Left 3660 3720 3440 4260 6160 5960 5960 	nit (360 nit (360 nit (360 nit (360 nit (360 nit (360 GP/Left GP/Left Guy P See Not Photo# nit (360 nit (360 nit (360	Right 75)_13 4620 3720 4380 6020 6000 	.JPG nit (360 nit (360 nit (360 nit (360 nit (360 Photo# .JPG nit (360 nit (360 nit (360 nit (360	N/A N/A N/A N/A N/A N/A N/A Design Initial Tension (% of B.S.) N/A N/A N/A N/A	11.9% 9.7% 9.3% 9.2% 9.9% 9.7% 	12.1% 10.1% 9.5% 9.7% 9.8% 9.8% 5.00 10.9% 8.1%
1 2 2 2 3 4 5 5 6 7 7 8 9 10 10 11 12 1 12 1 Comit Comit Suy evel 1 2 3 3	138.0 220.0 300.0 380.0 460.0 	148 148 294 294 294 294 294 294 294 Dist. To Anchor (Ft.) 146 146 146	Guy Pull-Off Stabilizer Stabilizer Stabilizer Stabilizer Stabilizer Guy Pull-Off Stabilizer Guy Pull-Off Stabilizer	7 Strand 7 Strand 7 Strand 19 Strand 19 Strand 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	1/2 9/16 9/16 5/8 3/4 3/4 	nit (360 nit (360 nit (360 nit (360 nit (360 nit (360 nit (360 Size rement Note ove Photo# nit (360 nit (360 nit (360 nit (360)	visible) Blue Yellow Yellow Black Orange Orange Orange I I I I I I I I I I I I I I I I I I I	41 41 41 41 41 41 41 	GP / Left 3660 3720 3440 4260 6160 5960 5960 	nit (360 nit (360 nit (360 nit (360 nit (360 nit (360 Photo# nit (360 nit (360 nit (360 nit (360 nit (360 nit (360	Right 75)_13 4620 3720 4380 6020 6000 	.JPG nit (360 nit (360 nit (360 nit (360 nit (360 	N/A N/A N/A N/A N/A N/A N/A Design Initial Tension (% of B.S.) N/A N/A N/A N/A N/A	11.9% 9.7% 9.3% 9.2% 9.9% 9.7% 	12.1% 10.1% 9.5% 9.7% 9.8% 9.8% 9.8% 10.2% 8.4% 10.2%
1 2 3 4 5 5 6 7 7 8 9 10 11 1 12 1 Com Com Guy evel E 1 2 1 2 3 4 5 3	138.0 220.0 300.0 380.0 460.0 	148 148 294 294 294 294 294 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Guy Pull-Off Stabilizer Stabilizer Stabilizer Stabilizer Stabilizer Guy Pull-Off Stabilizer Guy Pull-Off Stabilizer Stabilizer Stabilizer	7 Strand 7 Strand 7 Strand 19 Strand 19 Strand 4 4 4 5 5 6 6 7 7 Strand 7 Strand 7 Strand 7 Strand 7 Strand 19 Strand	1/2 9/16 9/16 5/8 3/4 3/4 	nit (360) nit (360) nit (360) nit (360) nit (360) nit (360) se Size rement Note ove Photo# nit (360) nit (360) nit (360) nit (360) nit (360)	visible) Blue Yellow Yellow Black Orange Orange Orange I I I I I I I I I I I I I I I I I I I	41 41 41 41 41 41 41 41 41 41 41 41 41 4	GP / Left 3660 3720 3440 4260 6160 5960 5960 	nit (360 nit (360 nit (360 nit (360 nit (360 nit (360 Photo# nit (360 nit (360 nit (360 nit (360 nit (360 nit (360	Right 75)_13 4620 3720 4380 6020 6000 	.JPG nit (360 nit (360 nit (360 nit (360 nit (360 Photo# .JPG nit (360 nit (360 nit (360 nit (360	N/A N/A N/A N/A N/A N/A N/A Design Initial Tension (% of B.S.) N/A N/A N/A N/A N/A	11.9% 9.7% 9.3% 9.2% 9.9% 9.7% 	12.1% 10.1% 9.5% 9.7% 9.8% 9.8% 9.8% 10.2% 8.4% 10.2%
1 2 2 3 4 5 5 6 7 8 9 10 11 1 12 1 Com Com <tr< td=""><td>138.0 220.0 300.0 380.0 460.0 </td><td>148 148 294 294 294 294 294 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>Guy Pull-Off Stabilizer Stabilizer Stabilizer Stabilizer Stabilizer Guy Pull-Off Stabilizer Guy Pull-Off Stabilizer Stabilizer Stabilizer</td><td>7 Strand 7 Strand 7 Strand 19 Strand 19 Strand 4 4 4 5 5 6 6 7 7 Strand 7 Strand 7 Strand 7 Strand 7 Strand 19 Strand</td><td>1/2 9/16 9/16 5/8 3/4 3/4 </td><td>nit (360) nit (360) nit (360) nit (360) nit (360) nit (360) se Size rement Note ove Photo# nit (360) nit (360) nit (360) nit (360) nit (360)</td><td>visible) Blue Yellow Yellow Black Orange Orange Orange I I I I I I I I I I I I I I I I I I I</td><td>41 41 41 41 41 41 41 41 41 41 41 41 41 4</td><td>GP / Left 3660 3720 3440 4260 6160 5960 5960 </td><td>nit (360 nit (360 nit (360 nit (360 nit (360 nit (360 Photo# nit (360 nit (360 nit (360 nit (360 nit (360 nit (360</td><td>Right 75)_13 4620 3720 4380 6020 6000 </td><td>.JPG nit (360 nit (360 nit (360 nit (360 nit (360 Photo# .JPG nit (360 nit (360 nit (360 nit (360</td><td>N/A N/A N/A N/A N/A N/A N/A Design Initial Tension (% of B.S.) N/A N/A N/A N/A N/A</td><td>11.9% 9.7% 9.3% 9.2% 9.9% 9.7% </td><td>12.1% 10.1% 9.5% 9.7% 9.8% 9.8% 9.8% 9.8% 10.2%</td></tr<>	138.0 220.0 300.0 380.0 460.0 	148 148 294 294 294 294 294 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Guy Pull-Off Stabilizer Stabilizer Stabilizer Stabilizer Stabilizer Guy Pull-Off Stabilizer Guy Pull-Off Stabilizer Stabilizer Stabilizer	7 Strand 7 Strand 7 Strand 19 Strand 19 Strand 4 4 4 5 5 6 6 7 7 Strand 7 Strand 7 Strand 7 Strand 7 Strand 19 Strand	1/2 9/16 9/16 5/8 3/4 3/4 	nit (360) nit (360) nit (360) nit (360) nit (360) nit (360) se Size rement Note ove Photo# nit (360) nit (360) nit (360) nit (360) nit (360)	visible) Blue Yellow Yellow Black Orange Orange Orange I I I I I I I I I I I I I I I I I I I	41 41 41 41 41 41 41 41 41 41 41 41 41 4	GP / Left 3660 3720 3440 4260 6160 5960 5960 	nit (360 nit (360 nit (360 nit (360 nit (360 nit (360 Photo# nit (360 nit (360 nit (360 nit (360 nit (360 nit (360	Right 75)_13 4620 3720 4380 6020 6000 	.JPG nit (360 nit (360 nit (360 nit (360 nit (360 Photo# .JPG nit (360 nit (360 nit (360 nit (360	N/A N/A N/A N/A N/A N/A N/A Design Initial Tension (% of B.S.) N/A N/A N/A N/A N/A	11.9% 9.7% 9.3% 9.2% 9.9% 9.7% 	12.1% 10.1% 9.5% 9.7% 9.8% 9.8% 9.8% 9.8% 10.2%
1 2 3 4 3 4 5 5 6 7 7 1 8 9 10 1 11 1 12 1 Comit	138.0 220.0 300.0 380.0 460.0 	148 148 294 294 294 294 294 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Guy Pull-Off Stabilizer Stabilizer Stabilizer Stabilizer Stabilizer Guy Pull-Off Stabilizer Guy Pull-Off Stabilizer Stabilizer Stabilizer	7 Strand 7 Strand 7 Strand 19 Strand 19 Strand 4 4 4 5 5 6 6 7 7 Strand 7 Strand 7 Strand 7 Strand 7 Strand 19 Strand	1/2 9/16 9/16 5/8 3/4 3/4 	nit (360) nit (360) nit (360) nit (360) nit (360) nit (360) se Size rement Note ove Photo# nit (360) nit (360) nit (360) nit (360) nit (360)	visible) Blue Yellow Yellow Black Orange Orange Orange I I I I I I I I I I I I I I I I I I I	41 41 41 41 41 41 41 41 41 41 41 41 41 4	GP / Left 3660 3720 3440 4260 6160 5960 5960 	nit (360 nit (360 nit (360 nit (360 nit (360 nit (360 Photo# nit (360 nit (360 nit (360 nit (360 nit (360 nit (360	Right 75)_13 4620 3720 4380 6020 6000 	.JPG nit (360 nit (360 nit (360 nit (360 nit (360 Photo# .JPG nit (360 nit (360 nit (360 nit (360	N/A N/A N/A N/A N/A N/A N/A Design Initial Tension (% of B.S.) N/A N/A N/A N/A N/A	11.9% 9.7% 9.3% 9.2% 9.9% 9.7% 	12.1% 10.1% 9.5% 9.7% 9.8% 9.8% 9.8% 9.8% 10.2%
1 2 2 3 4 5 5 6 7 8 9 10 11 1 12 1 Com Com <tr< td=""><td>138.0 220.0 300.0 380.0 460.0 </td><td>148 148 294 294 294 294 294 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>Guy Pull-Off Stabilizer Stabilizer Stabilizer Stabilizer Stabilizer Guy Pull-Off Stabilizer Guy Pull-Off Stabilizer Stabilizer Stabilizer</td><td>7 Strand 7 Strand 7 Strand 19 Strand 19 Strand 4 4 4 5 5 6 6 7 7 Strand 7 Strand 7 Strand 7 Strand 7 Strand 19 Strand</td><td>1/2 9/16 9/16 5/8 3/4 3/4 </td><td>nit (360) nit (360) nit (360) nit (360) nit (360) nit (360) se Size rement Note ove Photo# nit (360) nit (360) nit (360) nit (360) nit (360)</td><td>visible) Blue Yellow Yellow Black Orange Orange Orange I I I I I I I I I I I I I I I I I I I</td><td>41 41 41 41 41 41 41 41 41 41 41 41 41 4</td><td>GP / Left 3660 3720 3440 4260 6160 5960 5960 </td><td>nit (360 nit (360 nit (360 nit (360 nit (360 nit (360 Photo# nit (360 nit (360 nit (360 nit (360 nit (360 nit (360</td><td>Right 75)_13 4620 3720 4380 6020 6000 </td><td>.JPG nit (360 nit (360 nit (360 nit (360 nit (360 Photo# .JPG nit (360 nit (360 nit (360 nit (360</td><td>N/A N/A N/A N/A N/A N/A N/A Design Initial Tension (% of B.S.) N/A N/A N/A N/A N/A</td><td>11.9% 9.7% 9.3% 9.2% 9.9% 9.7% </td><td>12.1% 10.1% 9.5% 9.7% 9.8%</td></tr<>	138.0 220.0 300.0 380.0 460.0 	148 148 294 294 294 294 294 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Guy Pull-Off Stabilizer Stabilizer Stabilizer Stabilizer Stabilizer Guy Pull-Off Stabilizer Guy Pull-Off Stabilizer Stabilizer Stabilizer	7 Strand 7 Strand 7 Strand 19 Strand 19 Strand 4 4 4 5 5 6 6 7 7 Strand 7 Strand 7 Strand 7 Strand 7 Strand 19 Strand	1/2 9/16 9/16 5/8 3/4 3/4 	nit (360) nit (360) nit (360) nit (360) nit (360) nit (360) se Size rement Note ove Photo# nit (360) nit (360) nit (360) nit (360) nit (360)	visible) Blue Yellow Yellow Black Orange Orange Orange I I I I I I I I I I I I I I I I I I I	41 41 41 41 41 41 41 41 41 41 41 41 41 4	GP / Left 3660 3720 3440 4260 6160 5960 5960 	nit (360 nit (360 nit (360 nit (360 nit (360 nit (360 Photo# nit (360 nit (360 nit (360 nit (360 nit (360 nit (360	Right 75)_13 4620 3720 4380 6020 6000 	.JPG nit (360 nit (360 nit (360 nit (360 nit (360 Photo# .JPG nit (360 nit (360 nit (360 nit (360	N/A N/A N/A N/A N/A N/A N/A Design Initial Tension (% of B.S.) N/A N/A N/A N/A N/A	11.9% 9.7% 9.3% 9.2% 9.9% 9.7% 	12.1% 10.1% 9.5% 9.7% 9.8%

(D And	chor)														
Guy Level	Elev. (Ft.)	Dist. To Anchor (Ft.)	Guy Attachment Type	Cable Const.	Cable Size measurement *See Note above		Paint Color on Dead-End Grip (If	Temp. (°F)	Measured Tension (Lbs) - Use "GP/Left" column for Guy Pull-Off *See Note above				Design Initial Tension (%	Tension (6%-16%)	
		(1)	туре		Size	Photo#	Grip (lf visible)		GP / Left	Photo#	Right	Photo#	of B.S.)	GP / Left	Right
1															
2															

Site #		: 36075											Rev 7.0	.2 Releas	se (06/26/2	2018) Copyright © ATC IP, LLC - All Rights Reserved
Site Nar		: LEE S SUN	MMIT #1B												,	
Contrac		: TOWER E			ESSION	AL										
Comple		: Ricardo Ma														
Date	-	: 1/27/20	, ,													AMERICAN TOWER* CORPORATION Page 4
		1/21/20		DDE				NIT.	20					T\A/I	CT A	
				PRE	-ADJ	031			3-3	IDE	יו ט		CK		<u> </u>	ND PLUMB
						_										
				FW	Elev											
				(Ft)	(Ft)											Tower Plumb and Twist Measurements
-	Change OR T	-		0.00	0.00							M/in al C		0		
	Change OR T Change OR T			0.00	0.00							Wind S Directi		8 Iorthwe	st	The transit is to be set up on each leg azimuth at the
-	Change OR T			3.50	480.00								011 1	onnwe	οι	base of the tower. The corresponding tower leg at the base of the tower is used to set the vertical baseline.
	ower (Bottom o			3.50	0.00			*50% 0	CT/ -	tonara	dhaac	ontor 1	ha faa-	width		
				0.00	0.00	I						enter ti ell G14.	ie iace	wiath		
		OBSED			NTO				ор с. ц.	=	LCULAT		CA		ED	×
ļ,		OBSER	VED LEG DIS								TWIST		OU	T-OF-PL	UMB	
Data Point	Mast Elev. * See Note (Ft)	A - Face Width (In)	Leg Width (In)	D1**	i1	D2	i2	D3	i3	d (ln)	е	α (Deg)	x (In)	y (In)	r (In)	Position of tower center at base Tower cross-section at base of tower Tower cross-section being observed
1	70.00	42.00	3.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	138.00	42.00	3.05	0.00	0.00	-0.13	-0.13	0.25	0.25	0.13	0.01	0.30	-0.66	-0.13	0.67	d = (D1 + D2 + D3) / 3 e = (d $\sqrt{3}$) / A
3	220.00	42.00	3.05	-0.25	-0.25	-0.25	-0.25	0.50	0.50	0.00	0.00	0.00	-1.32	-0.76	1.53	Position of $+\infty$ $\alpha = \arcsin(e)$
4	300.00	42.00	2.80	-0.38	-0.38	-0.25	-0.25 -0.38	0.50	0.50 0.75	-0.12	-0.01	-0.29	-1.21 -1.66	-0.94	1.54 2.03	at elevation being observed $3 \times D^3$ A D^2 $x = (D^2 - D^3) / \sqrt{3}$ $y = (2 \times D^1 - D^2 - D^3) / 3$
5 6	380.00 460.00	42.00 42.00	2.55 2.30	-0.50 -0.63	-0.50 -0.63	-0.38 -0.50	-0.38	0.75 1.00	1.00	-0.11 -0.10	0.00	-0.26 -0.24	-1.66	-1.16 -1.35	2.03	Leg 3 Leg 2 $r = \sqrt{x^2 + y^2}$
7	480.00	42.00	2.30	-0.63	-0.63	-0.50	-0.50	1.00	1.00	-0.10	0.00	-0.24	-1.99	-1.35	2.41	
8																
9																* Mast Elevation Note
10																For guyed towers, record data at each guy elevation
11 12																and at all taper change elevations. For self-supporting towers, record data at each 20' section and at all taper
12																change elevations.
14											L		L			
15																** Displacement Note
16																"D" refers to direct
17																"i" refers to inverse
18 19																Unitless; values are fraction of leg displaced
20																
Com	nments											-				

