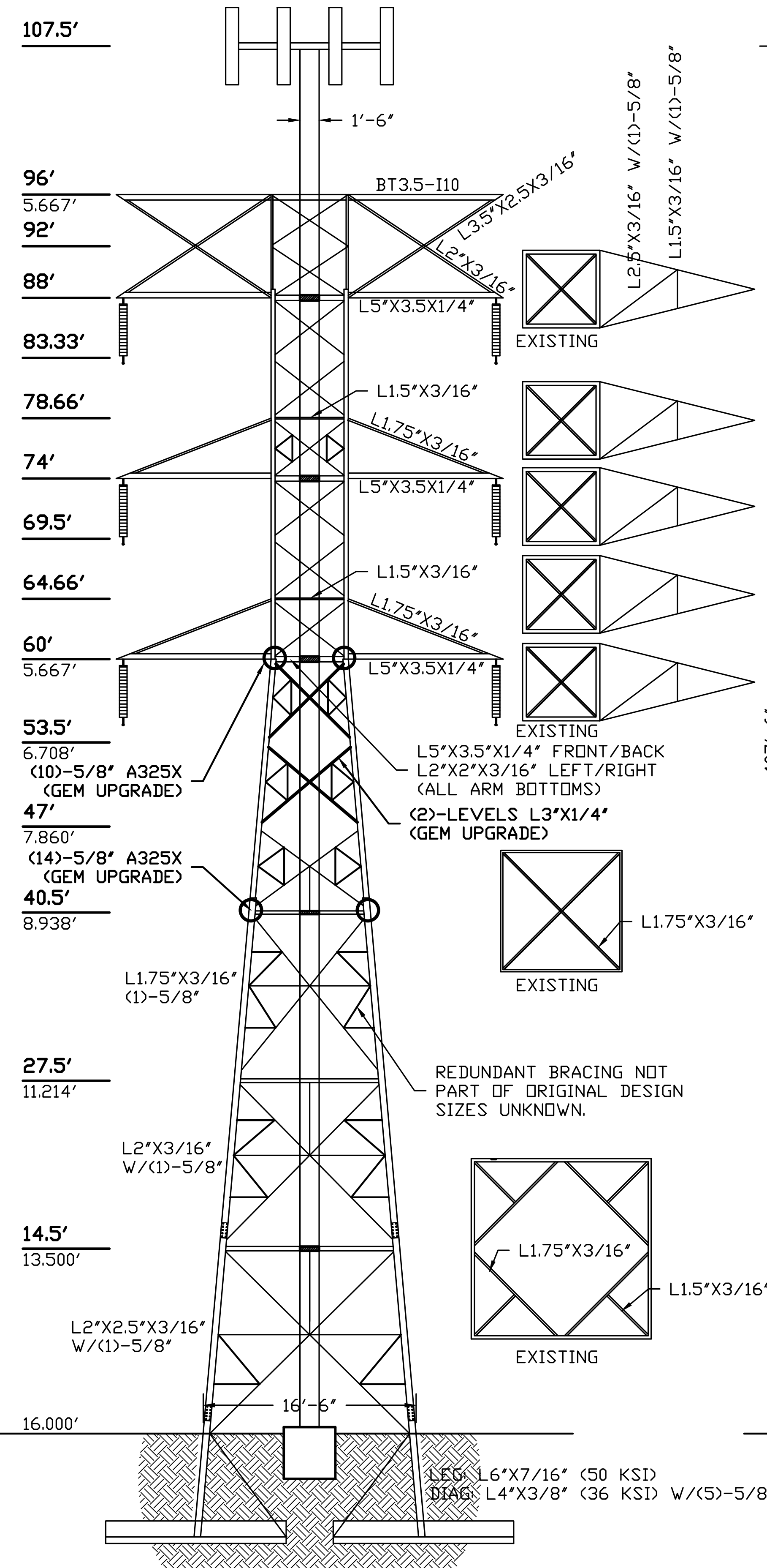
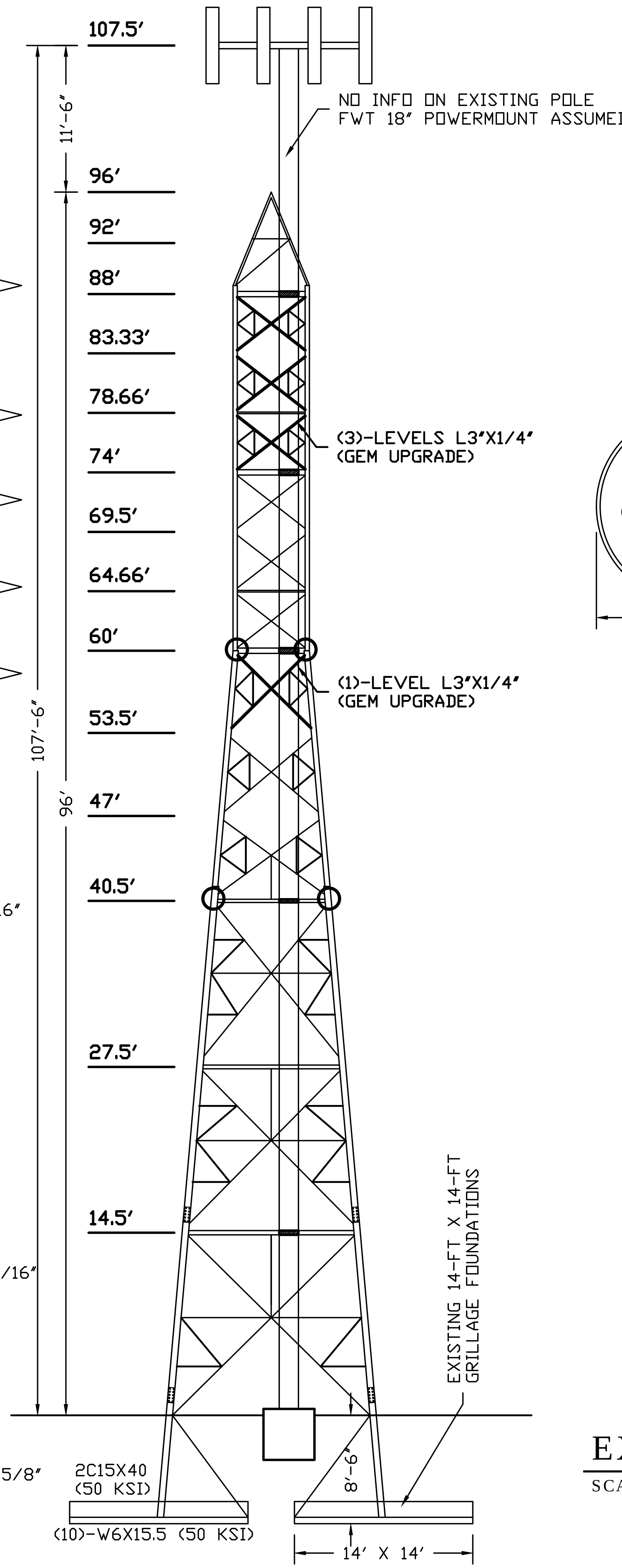
ORIGINAL TOWER DESIGN
(LEG ANGLE STEEL = 50 KSI) (OTHER ANGLE STEEL = 36 KSI) (ALL BOLTS = A394)

LEG	L BOLT	DIAG	D BOLT	HORZ	H BOLT
L2"X3/16"	(4)-5/8" SS	L1.5"X3/16"	(2)-5/8"		
L4"X1/4"	(6)-5/8" SS	L3"X2"X3/16"	(3)-5/8"		
L4"X3/8" *	(10)-5/8" SS	L3"X3/16"	(4)-5/8"		
L5"X3/8" *	(14)-5/8" SS	L3"X3/16"	(4)-5/8" (3)-5/8"		
		L2.5"X2"X5/16"	(4)-5/8"	L2"X3"X3/16"	(2)-5/8"
	(18)-5/8" SS	L2.5"X2"X1/4"	(3)-5/8"	L2.5"X3.5"X1/4"	(3)-5/8"
L6"X3/8" *	(20)-5/8" SS	L2.5"X1/4"	(4)-5/8"	L3"X4"X1/4"	(3)-5/8"



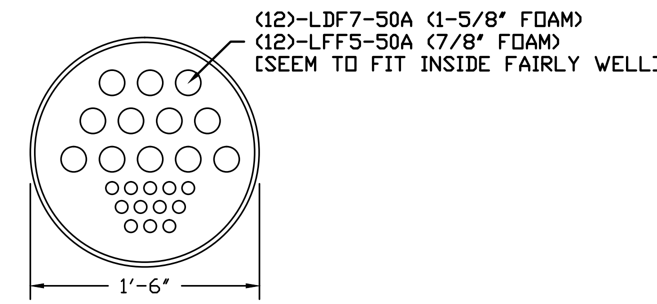
EXISTING FRONT ELEVATION

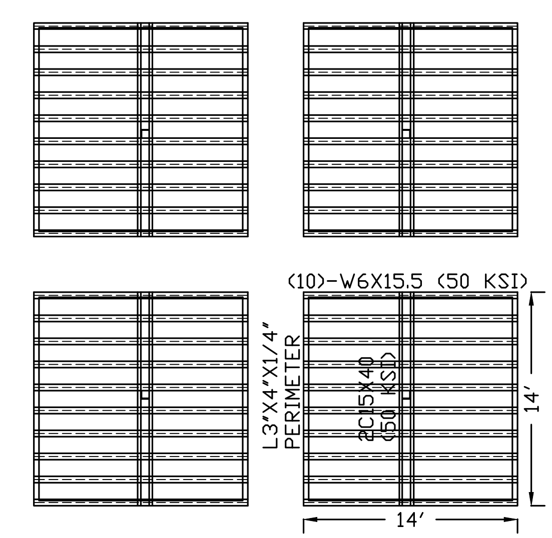
SCALE: N.T.S.



EXISTING SIDE ELEVATION

SCALE: N.T.S.





EXISTING GRILLAGE FOUNDATION

SCALE: N.T.S.

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SAMPLE DRAWING

TOWER MODIFICATION

SHEET DESCRIPTION

EXISTING TOWER

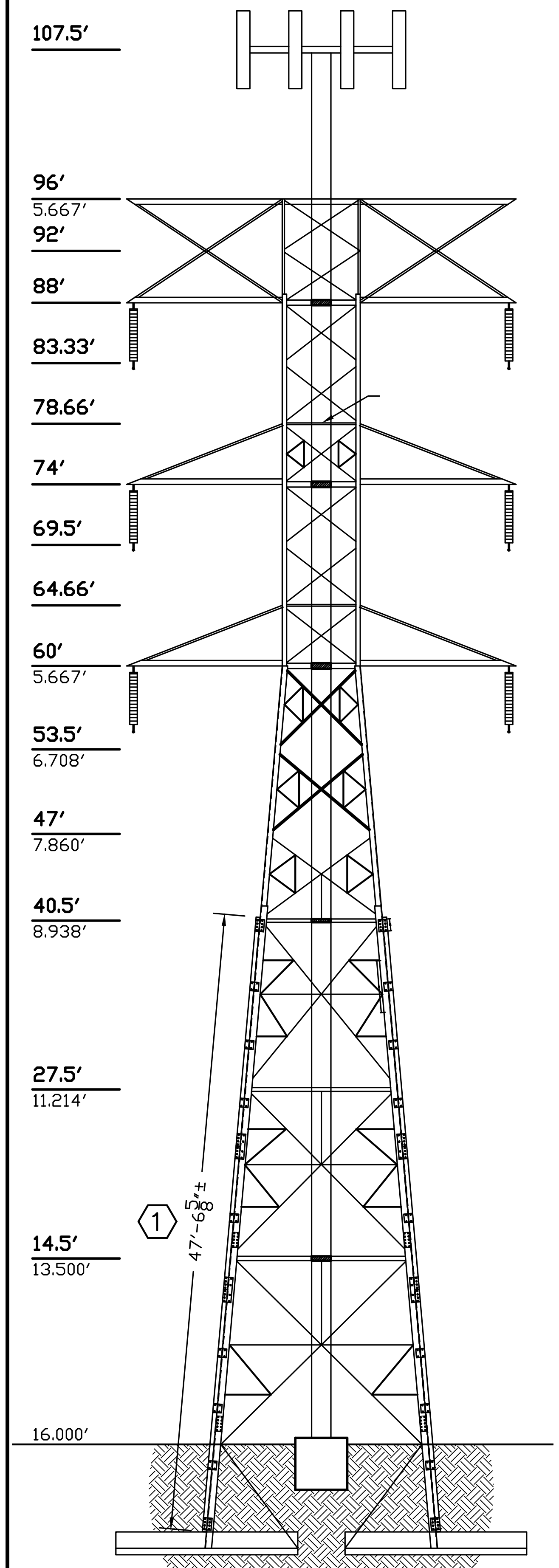
SHEET NUMBER

S1

REV	DATE	DESCRIPTION
0	12/25/16	SAMPLE DRAWING
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

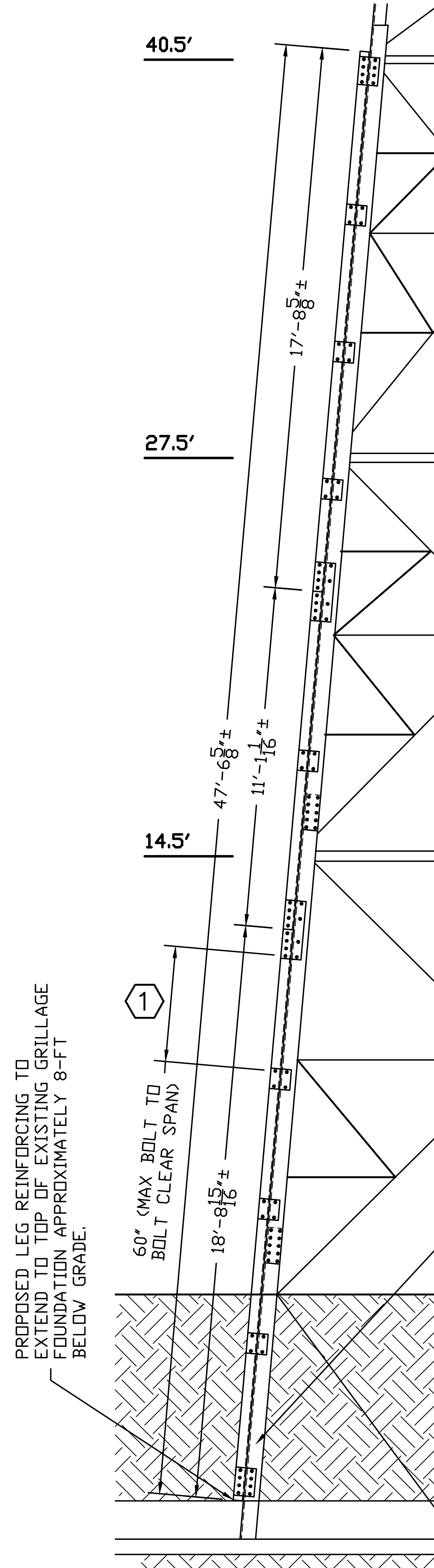
PROJECT NO: 16-???

DRAWN BY:	CHECKED BY:
DFA	



PROPOSED FRONT ELEVATION

SCALE: N.T.S.



ENLARGED FRONT ELEVATION

SCALE: N.T.S.

THIS PHOTO IS OF A SIMILAR TOWER FROM PREVIOUS WORK TO REFLECT POSSIBLE EXISTING LEG SPLICE AND DIAG/HORZ LAP SPLICE CONFLICTS

PHOTO OF SIMILAR TOWER

SCALE: N.T.S.

NOTE:
SPACING OF NEW SPLICES AND BRACKETS HAVE BEEN SHOWN IN THIS ELEVATION TO REFLECT A REASONABLE APPROXIMATION TO THE ACTUAL LOCATIONS THAT WILL BE REQUIRED TO AVOID CONFLICTS WITH EXISTING LEG SPLICES AND EXISTING DIAGONAL AND HORIZONTAL LAPS ONTO EXISTING LEGS. ENGINEER HIGHLY RECOMMENDS THAT ALL EXISTING CONFLICTS BE INVESTIGATED IN FIELD PRIOR TO FABRICATION.

MAX UNBRACED CLEAR SPAN (BOLT TO BOLT) OF NEW ANGLE REINFORCING TO BE 60"

MODIFICATION SCHEDULE

NO.	MODIFICATION DESCRIPTION	ELEVATION (FT.)	DETAIL SHEET
1	REINFORCE (4)-EXISTING ANGLE LEGS WITH NEW L4X1/2" STITCH ON.	-8' - 40.5'	

NOTE:
A. ANTENNAS AND OTHER APPURTENANCES MAY NEED TO BE TEMPORARILY REMOVED OR MOVED DURING THE INSTALLATION OF THE MODIFICATIONS SHOWN ABOVE.

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SAMPLE DRAWING

TOWER MODIFICATION

SHEET DESCRIPTION

PROPOSED ELEVATIONS

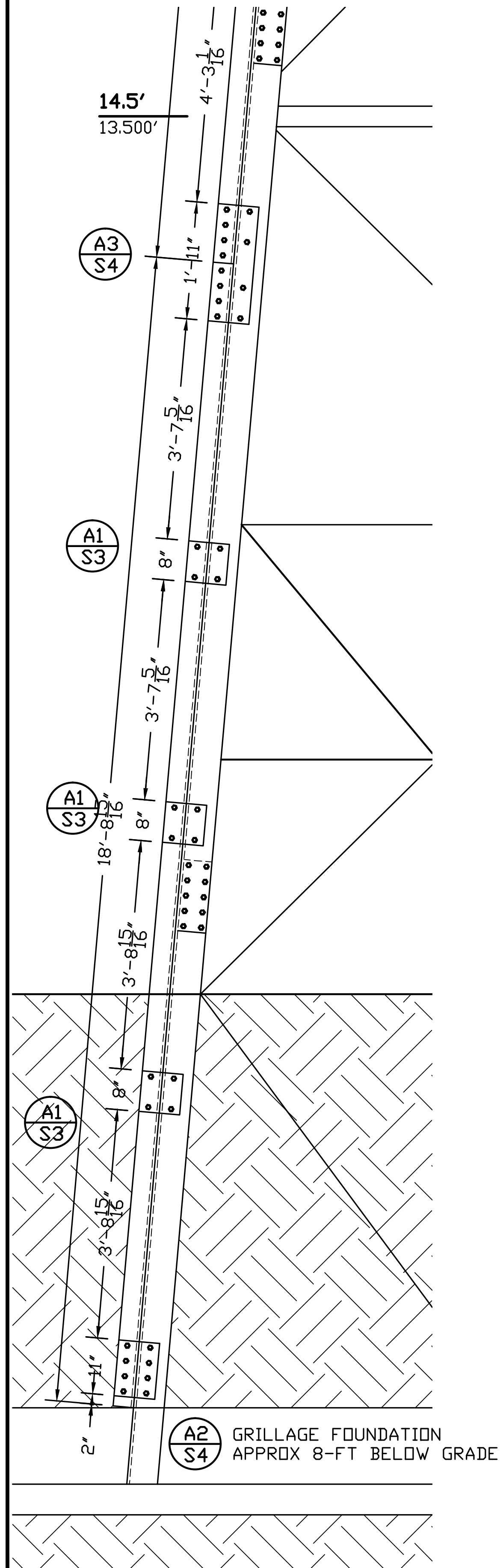
SHEET NUMBER

S2

REV	DATE	DESCRIPTION
0	12/25/16	SAMPLE DRAWING
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

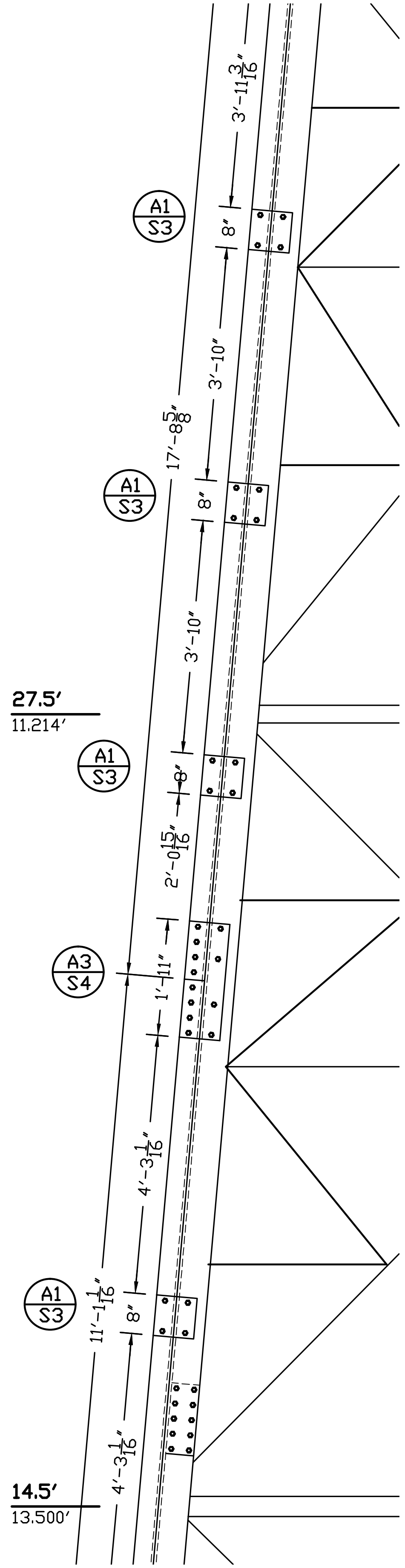
PROJECT NO: 16-???

DRAWN BY:	CHECKED BY:
DFA	



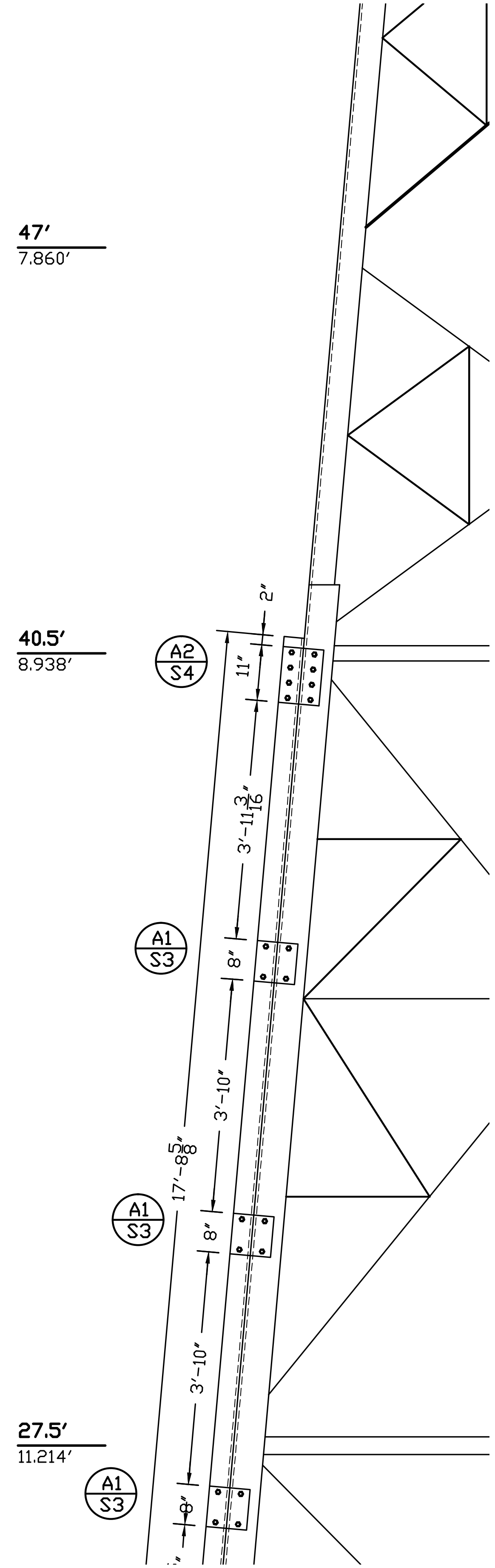
DETAIL ELEVATION

SCALE: N.T.S.



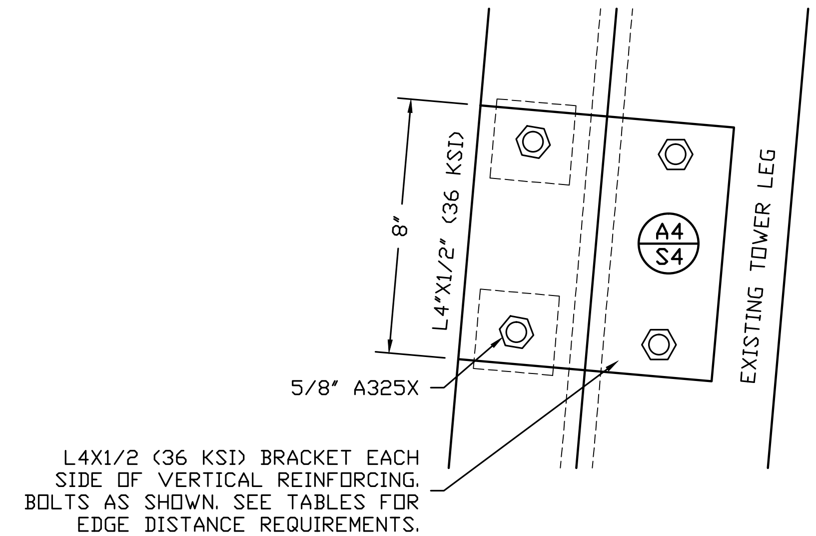
DETAIL ELEVATION

SCALE: N.T.S.



DETAIL ELEVATION

SCALE: N.T.S.



A1 S3 STITCH CONNECTION

SCALE: N.T.S.

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SAMPLE DRAWING

TOWER MODIFICATION

SHEET DESCRIPTION

DETAIL ELEVATION

SHEET NUMBER

S3

REV	DATE	DESCRIPTION
0	12/25/16	SAMPLE DRAWING
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

PROJECT NO: 16-???

DRAWN BY:	CHECKED BY:
DFA	

DESIGN CRITERIA

ANALYSIS CRITERIA:			
Referenced Codes:	Florida Building Code-2014 (5th Edition)	ASCE-7-10	TIA-222-G Addendum-2
Wind Speed:	**Vult =** 138 mph (3 Second Gust)	**Vasd =** 107 mph (3 Second Gust)	
Exposure Category: C	**Structure Class: III**	**Radial Ice Thickness: 0.0"**	
Importance Factor: 1.0	**Topographic Category: I**	**Seismic Response: N/A**	

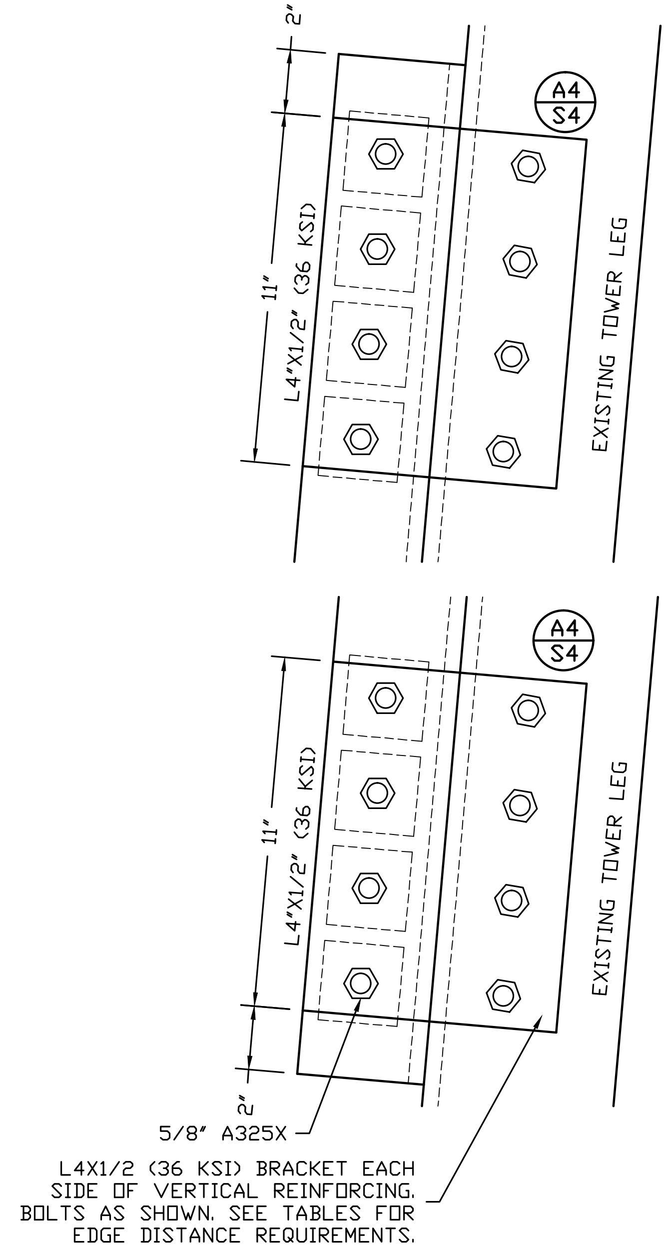
PROPOSED TOWER LOADING

TABLE 1.1 LC1: APPURTENANCE LOADING

Elev	Status	Carrier	Appurtenance Description	Transmission/Feed Lines
107'	Existing	AT&T	(6)-Powerwave 7770	(12)-LDF7-50A (1-5/8" Foam) (inside)
~~*107'~~	**Remove**	~~**AT&T**~~	~~**(3)-DBXNH-6565B-R2M**~~	**(12)-FXL-780 (7/8" Foam) (inside)**
***107'**	**Proposed**	**AT&T**	**(6)-SBNHH-1D65B**	**(3)-RET Cable (inside)**
107'	Existing	AT&T	(6)-FDGW5504/1C Diplexer	
107'	Existing	AT&T	(6)-LGP 21403 TMA	
***107'**	**Proposed**	**AT&T**	**(6)-E15S09P49 TMA**	
107'	Existing	AT&T	Low Profile Mount	

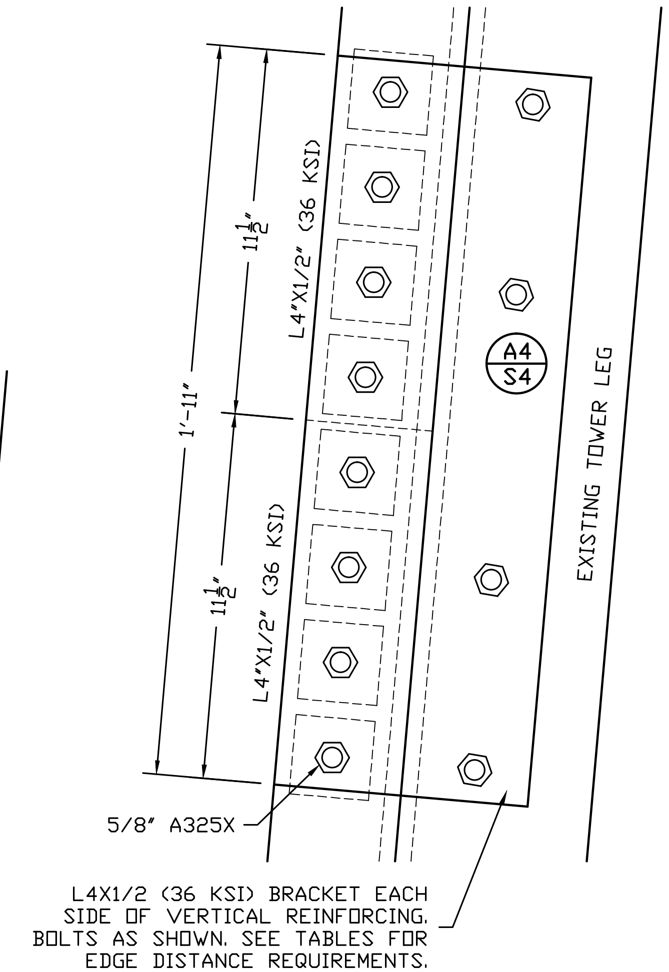
*** Future/Reserved/Proposed/Removed**

1) All existing antennas and locations were obtained from supporting documents. Daniel F. Ardito, PE did not survey this site.



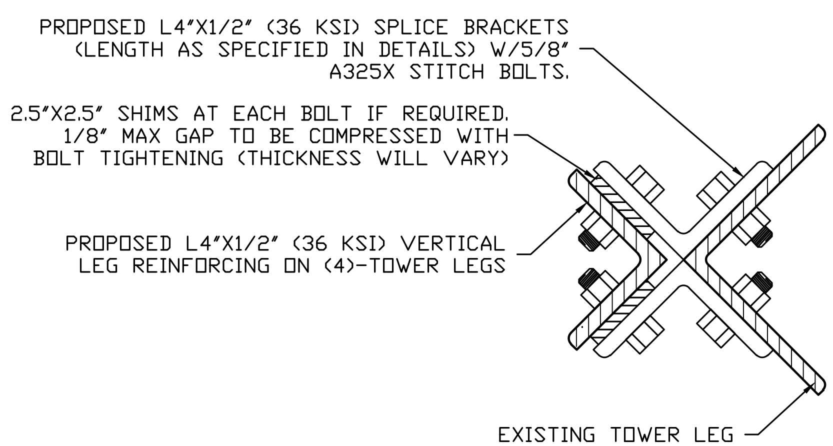
A2 / S4 **END CONNECTION**

SCALE: N.T.S.



A3 / S4 **SPLICE CONNECTION**

SCALE: N.T.S.



A4 / S4 **CONNECTION**

SCALE: N.T.S.

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SAMPLE DRAWING

TOWER MODIFICATION

SHEET DESCRIPTION

DETAILS

SHEET NUMBER

S4

REV	DATE	DESCRIPTION
0	12/25/16	SAMPLE DRAWING
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

PROJECT NO: 16-???

DRAWN BY:	CHECKED BY:
DFA	