



**PRELIMINARY
NOT FOR CONSTRUCTION**

TOWER DESIGN LOADING

DESIGN WIND LOAD PER ANSI/TIA-222-G:
 BASIC WIND SPEED (NO ICE) = 120 MPH
 BASIC WIND SPEED (ICE) = 40 MPH
 DESIGN ICE THICKNESS = 0.5 IN.
 STRUCTURE CLASS = II
 EXPOSURE CATEGORY = D
 TOPOGRAPHIC CATEGORY = 1
 ELEVATION ABOVE SEA LEVEL = 60 FEET

THIS TOWER IS DESIGNED TO SUPPORT THE FOLLOWING LOADS:

ELEVATION (FT)	ANTENNA TYPE	LINE SIZE (NOM)
292	BEACON & LR	(1) 3/4"
285	(3)MET INSTR. + 8' S.A. WITH 2 T.B.	(2) 7/8"
285	(2)MET INSTR. + 8' S.A. WITH 2 T.B.	(2) 7/8"
200	(3)MET INSTR. + 8' S.A. WITH 2 T.B.	(2) 7/8"
200	(2)MET INSTR. + 8' S.A. WITH 2 T.B.	(2) 7/8"
170	SIDE LIGHT	-
115	(3)MET INSTR. + 8' S.A. WITH 2 T.B.	(2) 7/8"
115	(2)MET INSTR. + 8' S.A. WITH 2 T.B.	(2) 7/8"
30	(3)MET INSTR. + 8' S.A. WITH 2 T.B.	(2) 7/8"
30	(2)MET INSTR. + 8' S.A. WITH 2 T.B.	(2) 7/8"

TOWER ATTACHMENT TO PLATFORM TO BE BY OTHERS.

SECTION MAIN MEMBER SCHEDULE

SECTION	LEG	DIAGONAL	HORIZONTALS
6NSTB	PIPE 2.875x0.203	L1 3/4x1 3/4x3/16 (3)	L1 3/4x1 3/4x3/16 (1)
6NST	PIPE 2.875x0.203	L1 3/4x1 3/4x3/16 (5)	N/A
6NST	PIPE 3.500x0.300	L1 3/4x1 3/4x3/16 (5)	N/A
6NST	PIPE 4.500x0.337	L2x2x3/16 (5)	N/A
7N	PIPE 5.563x0.375	L1 3/4x1 3/4x3/16 (5)	L1 3/4x1 3/4x3/16 (1)
8N	PIPE 5.563x0.375	L1 3/4x1 3/4x3/16 (4)	N/A
9N	PIPE 5.563x0.375	L2x2x1/4 (3)	N/A
10N	PIPE 6.625x0.432	L2 1/2x2 1/2x3/16 (3)	N/A
11N	PIPE 6.625x0.432	L3x3x3/16 (3)	N/A
12N	PIPE 8.625x0.500	L3 1/2x3 1/2x1/4 (1)	N/A
13N	PIPE 8.625x0.500	L4x4x1/4 (1)	N/A
14N	PIPE 8.625x0.500	L4x4x1/4 (1)	N/A
15KS	PIPE 8.625x0.500	PIPE 3.500x0.300 (2)	PIPE 3.500x0.300 (2)
16KS	PIPE 10.750x0.500	PIPE 4.000x0.318 (2)	PIPE 4.000x0.318 (2)
17KS	PIPE 12.750x0.500	PIPE 4.000x0.318 (3)	PIPE 4.000x0.318 (3)

NOTE: SECTION NUMBERS ARE FOR REFERENCE ONLY. FOR NOMINAL FACE WIDTH DIMENSIONS, REFER TO THE STRESS ANALYSIS.
 THE NUMBERS SHOWN IN PARENTHESES INDICATE THE NUMBER OF BAYS FROM TOP TO BOTTOM.

FILE NO. Q15-10922-2

REVISIONS				
REV.	DESCRIPTION	DWN	CHK	APP



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UNITED STATES TOWER SERVICES LTD
 DESIGN PROFILE
 290 FT SSMW
 OSW FARM

DWN: SS	CHK'D:	DATE: Nov/03/15
ENG'R:	SHEET #:	
PRJ. ENG'R: OH	PRJ. MANG'R:	
DRAWING NO: Q15-10922-2 PROFILE	REV: 0	

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