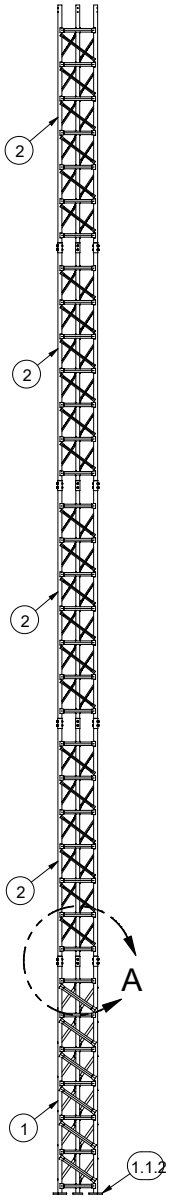
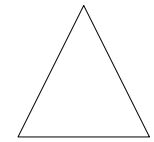
CPT-5018-FS 50' FREE STANDING CAMERA TOWER



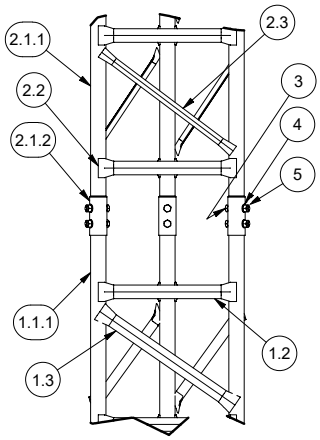
90 mph/78 mph + 1/2" radial ice (3 second gust) per OBC and IBC				
	CaAa	Flat Plat Area	Weight	Elevation
No Ice	11.5 sq ft	6.38 sq ft	80 lbs	50.0 ft
1/2" Ice	12.0 sq ft	6.66 sq ft	120 lbs	50.0 ft
(1)-1/2" coax Elevation 0 ft to 50ft				
70 mph/61 mph + 1/2" radial ice (Fastest MPH) per EIA-222-F				
	CaAa	Flat Plat Area	Weight	Elevation
No Ice	10.5 sq ft	5.38 sq ft	80 lbs	50.0 ft
1/2" Ice	9.0 sq ft	5.00 sq ft	120 lbs	50.0 ft
(1)-1/2" coax Elevation 0 ft to 50ft				



INTERIOR BRACING
- NOT REQUIRED -

FOUNDATION REACTIONS

TOTAL MOMENT: 33.6 FT-KIPS
TOTAL SHEAR: 1 KIPS
TOTAL DOWNLOAD: 2 KIPS



DETAIL A

PARTS LIST

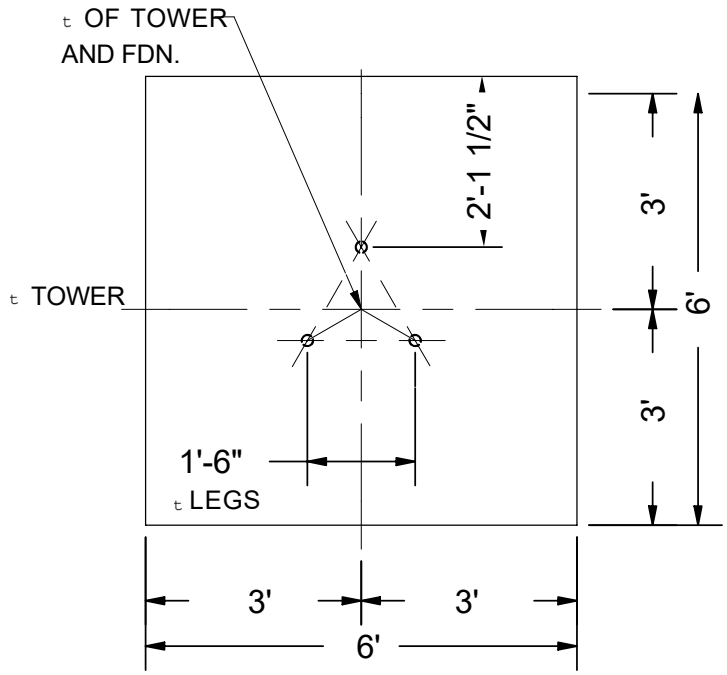
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	1201	1810-F4G TOWER BASE
1.1	3	1200	LEG WELDMENT
1.1.1	1	1198	2"O.D. x 10 GA. (.134) x 9'-11 11/16, A-513 (50 kpsi MIN YIELD)
1.1.2	1	1199	FOOT PAD
1.2	21	1195	1.25 x 1.25 x 3/16 A36 ANGLE - HORIZONTAL
1.3	18	1197	1.25 x 1.25 x 3/16 A36 ANGLE - DIAGONAL
2	4	1194	1810-A4 MID-SECTION
2.1	3	1193	LEG WELDMENT
2.1.1	1	1191	2"O.D. x 10 GA. (.134) x 10'-0, A-513 (50 kpsi MIN YIELD)
2.1.2	1	1192	2 1/4"O.D. x 1/8 WALL x 0'-5, A-513 (50 kpsi MIN YIELD)
2.2	21	1195	1.25 x 1.25 x 3/16 A36 ANGLE - HORIZONTAL
2.3	18	1196	0.75 x 0.75 x 3/16 A36 ANGLE - DIAGONAL
3	24		A325, 1/2-13 UNC x 3 LG
4	24		1/2 WASHER A325
5	24		A325, 1/2-13 UNC HEX NUT

CPT-5018-FS

50' FREE STANDING
18" TRIANGULAR STEEL TOWER

SIZE	DATE:	DWG NO	SHT. #
B	15-10-2021	1305	1

CPT-5018-FS 50' FREE STANDING CAMERA TOWER



PLAN

NOTES:

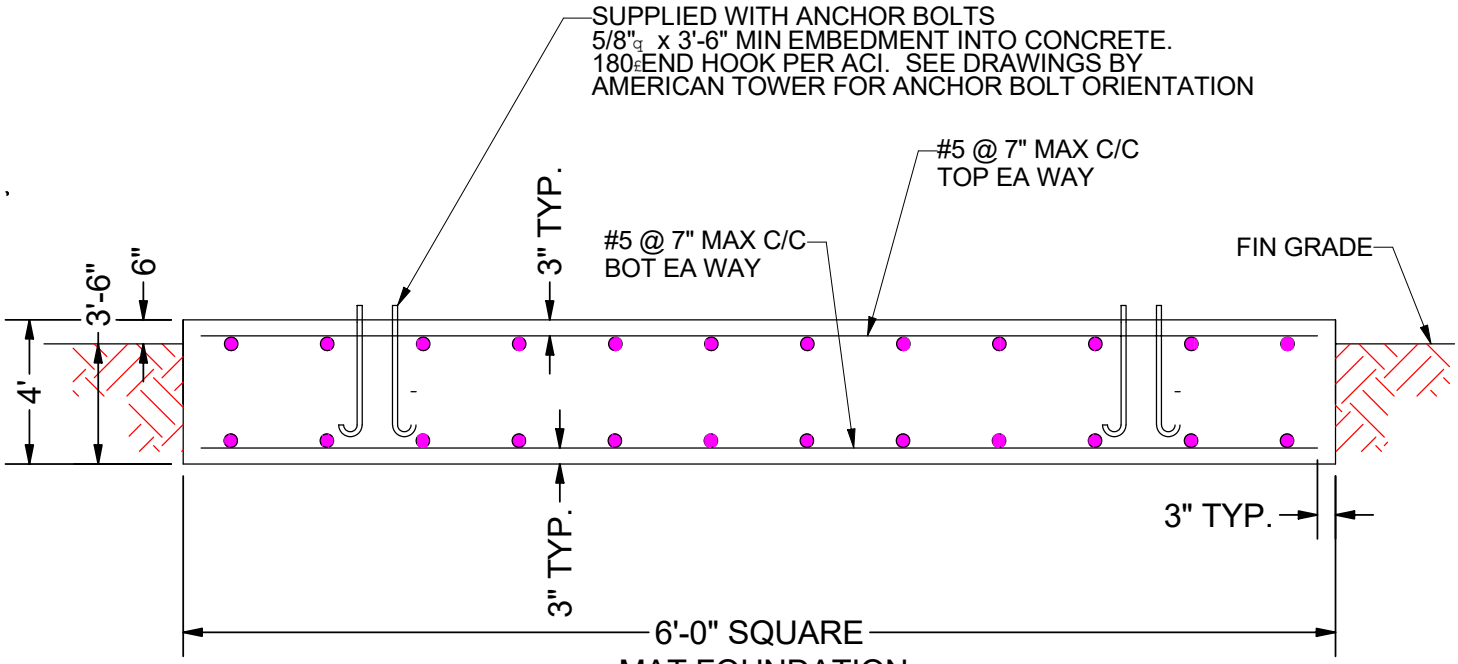
1. ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI @ 28 DAYS

2.REINFORCING STEEL SHALL CONFORM TO THE REQUIREMENTS OF ASTM A615 (GRADE 60).

3. TOTAL CONCRETE = 5.4 CUBIC YARDS.

4. FOUNDATION DESIGN BASED UPON ASSUMED SOIL PARAMETERS AS FOLLOWS:

ALLOW BEARING PRESSURE: 2000 PSF
UNIT SOIL WEIGHT: 100 PCF
WATER AND ROCK LOCATED BELOW FOOTING. NO ALLOWANCE HAS BEEN MADE FOR DELETERIOUS SOIL, PEAT, ETC. IN EXCAVATION



FOOTING MUST BEAR ON UNDISTURBED SOIL OR COMPACTED BACKFILL.

CPT-5018-FS			
50' FREE STANDING 18" TRIANGULAR STEEL TOWER			
SIZE B	DATE: 15-10-2021	DWG NO 1305	SHT. # 2