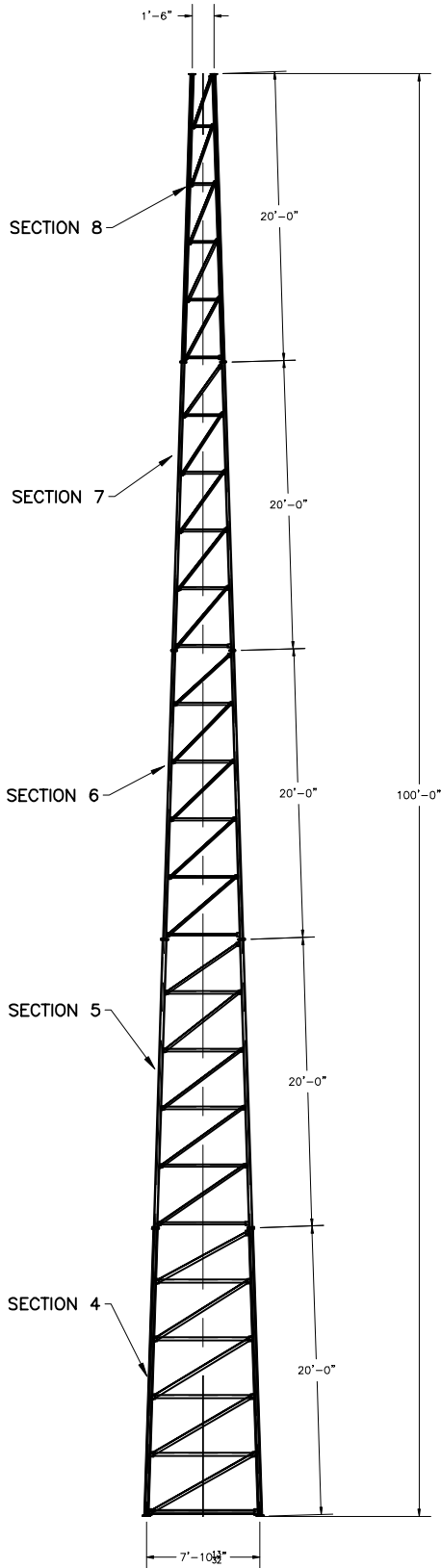


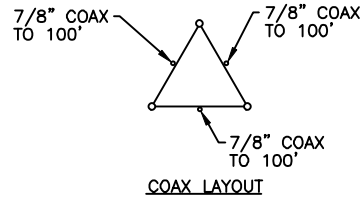
ASTM	
*	A36
GRADE 5	
LEGS	1.9" x 0.145"
DIAGONALS	L1 1/2 x 1 1/2 x 1/8
GIRTS	L1 1/2 x 1 1/2 x 1/8
BRACE BOLTS	(1)-5/8"φ
SPLICE BOLTS	(4)-1/2"φ
ANCHOR BOLTS	(4)-1/2"φ
LEGS	2.875" x 0.276"
DIAGONALS	L2 1/2 x 2 1/2 x 3/16
GIRTS	L2 1/2 x 2 1/2 x 3/16
BRACE BOLTS	(4)-3/4"φ
SPLICE BOLTS	(4)-1"φ (C1018 THREADED ROD)
ANCHOR BOLTS	(4)-1"φ (C1018 THREADED ROD)
LEGS	2.375" x 0.218"
DIAGONALS	L1 3/4 x 1 3/4 x 1/8
GIRTS	L1 3/4 x 1 3/4 x 1/8
BRACE BOLTS	(1)-5/8"φ
SPLICE BOLTS	(4)-5/8"φ
ANCHOR BOLTS	(4)-5/8"φ
LEGS	2.375" x 0.154"
DIAGONALS	L1 3/4 x 1 3/4 x 1/8
GIRTS	L1 3/4 x 1 3/4 x 1/8
BRACE BOLTS	(1)-5/8"φ
SPLICE BOLTS	(4)-1/2"φ
ANCHOR BOLTS	(4)-1/2"φ
LEGS	1.9" x 0.145"
DIAGONALS	L1 1/2 x 1 1/2 x 1/8
GIRTS	L1 1/2 x 1 1/2 x 1/8
BRACE BOLTS	(1)-5/8"φ
SPLICE BOLTS	(4)-1/2"φ
ANCHOR BOLTS	(4)-1/2"φ



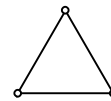
According to ANSI/EIA-222-F 1996

90 mph/78 mph + 1/2" radial ice w/ (3 second gust) per OBC AND IBC				
	CaAa	Flat Plate Area	Weight	Elevation
No Ice	54.0 sq ft	30.00 sq ft	1400 lbs	100 ft
1/2" Ice	72.0 sq ft	40.00 sq ft	2000 lbs	100 ft
No Ice	119.0 sq ft	66.11 sq ft	3200 lbs	100 ft to 70 ft
1/2" Ice	144.0 sq ft	80.00 sq ft	4000 lbs	100 ft to 70 ft
(3)-7/8" coax Elevation 0 ft to 100 ft Coax to be equally distributed to three tower faces				
Climbing Ladder Elevation 0 ft to 100 ft				

70 mph/61 mph + 1/2" radial ice (Fastest MPH) per EIA-222-F				
	CaAa	Flat Plate Area	Weight	Elevation
No Ice	57.0 sq ft	31.67 sq ft	1400 lbs	100 ft
1/2" Ice	76.0 sq ft	42.22 sq ft	2000 lbs	100 ft
No Ice	125.0 sq ft	69.44 sq ft	3200 lbs	100 ft to 70 ft
1/2" Ice	150.0 sq ft	83.33 sq ft	4000 lbs	100 ft to 70 ft
(3)-7/8" coax Elevation 0 ft to 100 ft Coax to be equally distributed to three tower faces				
Climbing Ladder Elevation 0 ft to 100 ft				



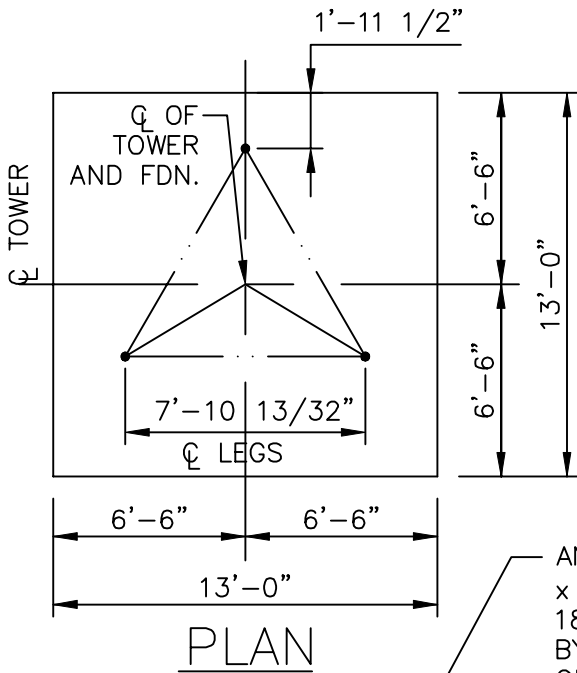
\* PIPE LEGS 42 KSI MIN YIELD  
10 GA TUBE LEGS 30 KSI MIN YIELD



INTERIOR BRACING  
- NOT REQUIRED -

FOUNDATION REACTIONS  
TOTAL MOMENT: 349 FT-KIPS  
TOTAL SHEAR: 6 KIPS  
TOTAL DOWNLOAD: 11 KIPS

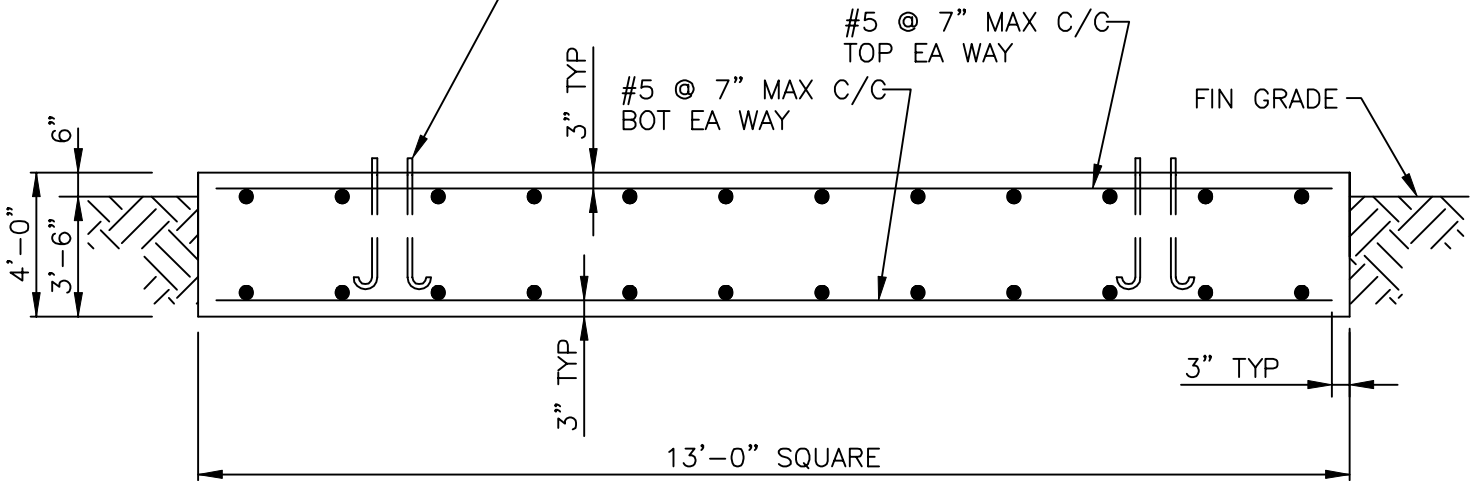
<b>AMERICAN TOWER COMPANY</b> ISO 9001-2000 P.O. Box 29 Shelby, Ohio 44875 www.amertower.com info@amertower.com Since 1953	
Telephone (419) 347-1185	Fax (419) 347-1654
100' HEAVY	
BY: DOW	DATE: 12/21/02
DWG NO. 1056	



**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 = 25.1 CUBIC YARDS.
4. FOUNDATION DESIGN BASED UPON THE FOLLOWING:  
 ALLOW BEARING PRESSURE: 2000 PSF  
 UNIT WEIGHT: 100 PCF  
 WATER AND ROCK LOCATED BELOW FOOTING

ANCHOR BOLTS BY AMERICAN TOWER, 1"Ø x 3'-6" MIN EMBEDMENT INTO CONCRETE. 180° END HOOK PER ACI. SEE DRAWINGS BY AMERICAN TOWER FOR ANCHOR BOLT ORIENTATION.



**MAT FOUNDATION**

FOOTING MUST BEAR ON UNDISTURBED SOIL OR COMPACTED BACKFILL.

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Telephone (419)347-1185	Fax (419) 347-1654
<b>100' HEAVY FOUNDATION</b>	
BY: DOW	DATE: 12/21/02
<b>DWG NO. 1056 A</b>	