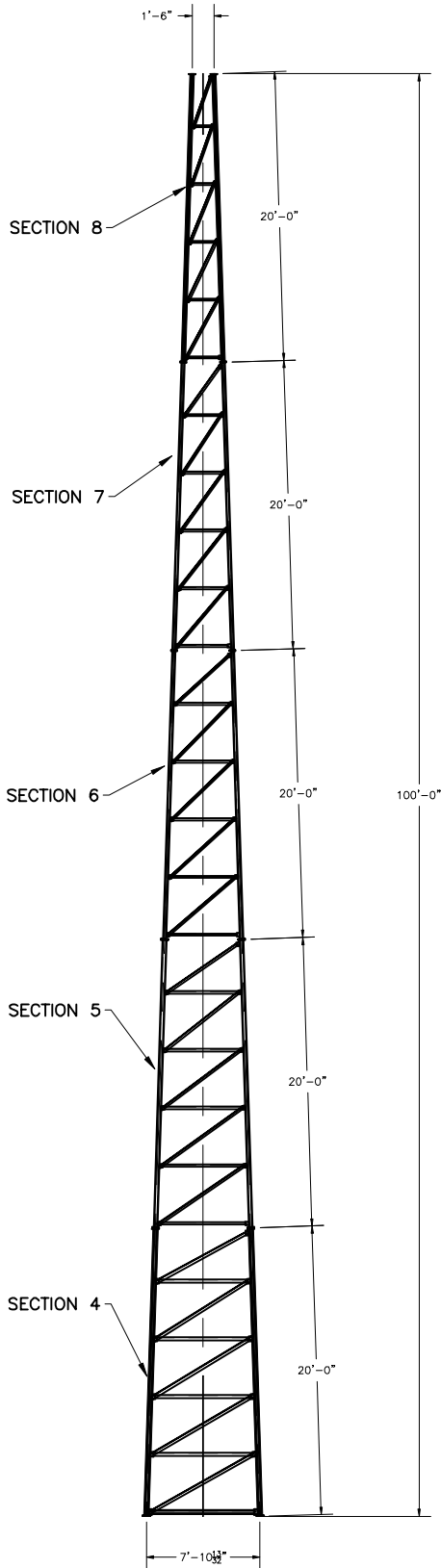


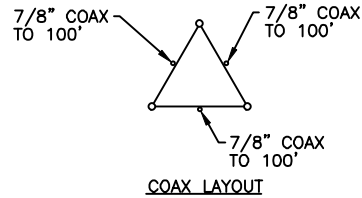
ASTM	
*	A36
GRADE 5	
LEGS	1.9" x 0.145"
DIAGONALS	L1 1/2 x 1 1/2 x 1/8
GIRTS	L1 1/2 x 1 1/2 x 1/8
BRACE BOLTS	(1)-5/8"φ
SPLICE BOLTS	(4)-1/2"φ
ANCHOR BOLTS	(4)-1/2"φ
LEGS	2.875" x 0.276"
DIAGONALS	L2 1/2 x 2 1/2 x 3/16
GIRTS	L2 1/2 x 2 1/2 x 3/16
BRACE BOLTS	(4)-3/4"φ
SPLICE BOLTS	(4)-1"φ (C1018 THREADED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



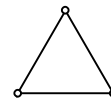
According to ANSI/EIA-222-F 1996

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 -

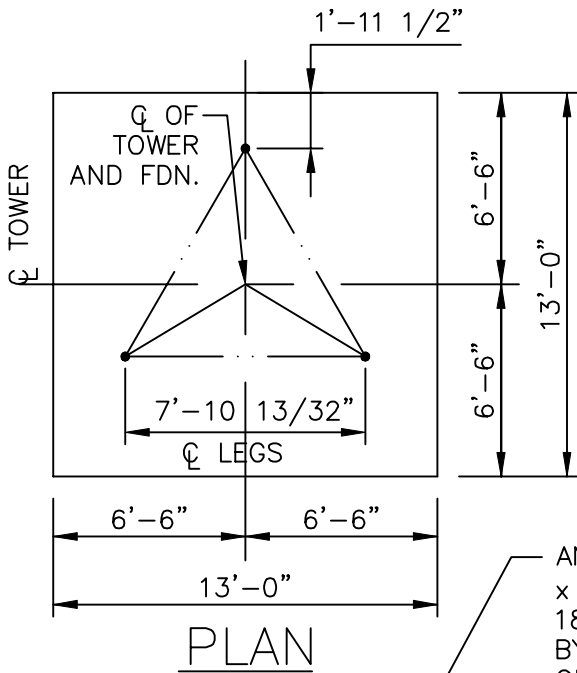
FOUNDATION REACTIONS
TOTAL MOMENT: 349 FT-KIPS
TOTAL SHEAR: 6 KIPS
- TOTAL DOWNLOAD: 11 KIPS

AMERICAN TOWER COMPANY
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

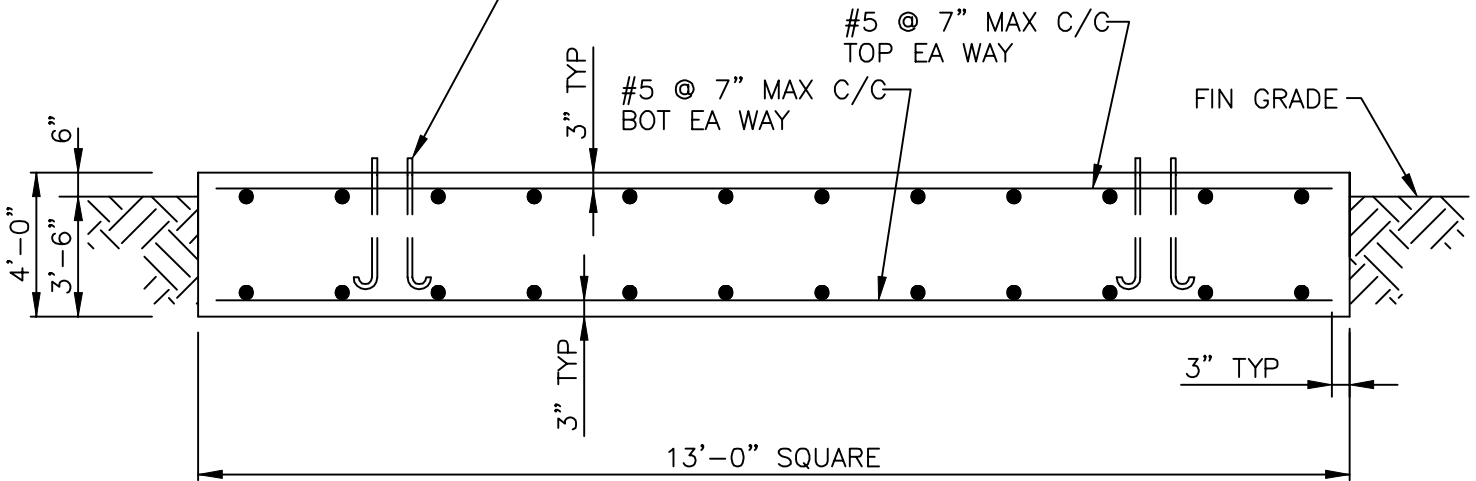
BY: DOW DATE: 12/21/02
DWG NO. 1056



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.

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