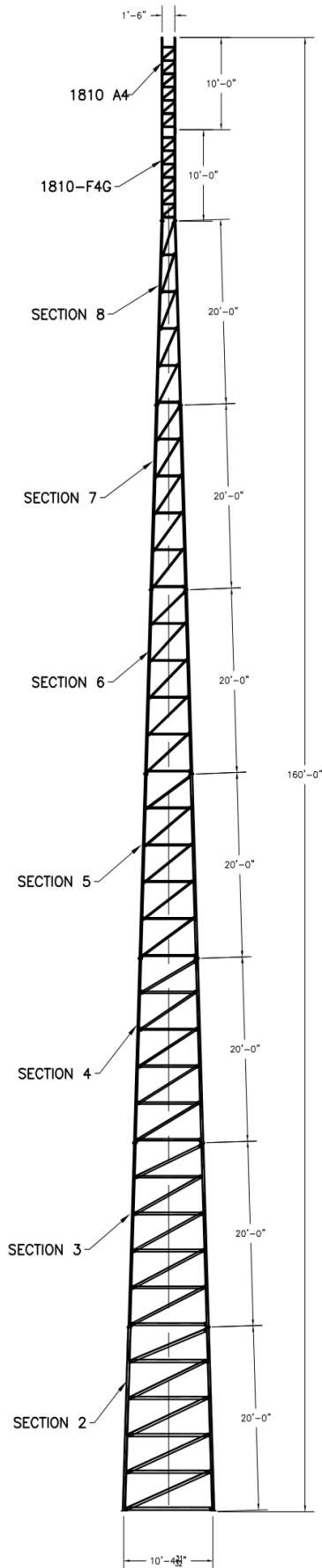


| ASTM | | * A36 | | GRADE 5 | |
|--------------|------------------|-----------------|-----------------|----------------------|------------------|
| LEGS | 3.5" x 0.300" | 2.875" x 0.276" | 2.875" x 0.203" | 2.375" x 0.218" | 1.9" x 0.145" |
| DIAGONALS | L3 1/2x3 1/2x1/4 | L3 x 3 x 3/16 | L2 2 x 1/8 | L1 3/4 x 1 3/4 x 1/8 | L1 1/2x1 1/2x1/8 |
| GIRTS | L3 1/2x3 1/2x1/4 | L3 x 3 x 3/16 | L2 2 x 1/8 | L1 3/4 x 1 3/4 x 1/8 | L1 1/2x1 1/2x1/8 |
| BRACE BOLTS | (1)-3/4" | (1)-3/4" | (1)-5/8" | (4)-5/8" | (4)-1/2" |
| SPLICE BOLTS | (4)-1" | (4)-3/4" | (4)-5/8" | (4)-1/2" | (2)-1/2" |
| ANCHOR BOLTS | (4)-1" | (4)-1" | (4)-1" | (4)-1" | (4)-1" |



According to ANSI/EIA-222-F 1996

| 90 mph/78 mph + 1/2" radial ice w/ (3 second gust) per OBC AND IBC | | | | |
|--|------------|-----------------|---------|------------------|
| | CoAa | Flat Plate Area | Weight | Elevation |
| No Ice | 29.5 sq ft | 16.39 sq ft | 200 lbs | 160 ft |
| 1/2" Ice | 36.0 sq ft | 20.00 sq ft | 350 lbs | 160 ft |
| No Ice | 50.0 sq ft | 27.78 sq ft | 350 lbs | 160 ft to 130 ft |
| 1/2" Ice | 60.5 sq ft | 33.61 sq ft | 600 lbs | 160 ft to 130 ft |
| (1)-7/8" coax Elevation 0 ft to 160 ft | | | | |
| Climbing Ladder Elevation 0 ft to 140 ft | | | | |

| 70 mph/61 mph + 1/2" radial ice (Fastest MPH) per EIA-222-F | | | | |
|---|------------|-----------------|---------|------------------|
| | CoAa | Flat Plate Area | Weight | Elevation |
| No Ice | 30.0 sq ft | 16.67 sq ft | 200 lbs | 160 ft |
| 1/2" Ice | 36.5 sq ft | 20.28 sq ft | 350 lbs | 160 ft |
| No Ice | 51.5 sq ft | 28.61 sq ft | 350 lbs | 160 ft to 130 ft |
| 1/2" Ice | 61.5 sq ft | 34.17 sq ft | 600 lbs | 160 ft to 130 ft |
| (1)-7/8" coax Elevation 0 ft to 160 ft | | | | |
| Climbing Ladder Elevation 0 ft to 140 ft | | | | |



AMERITE
STRUCTURES

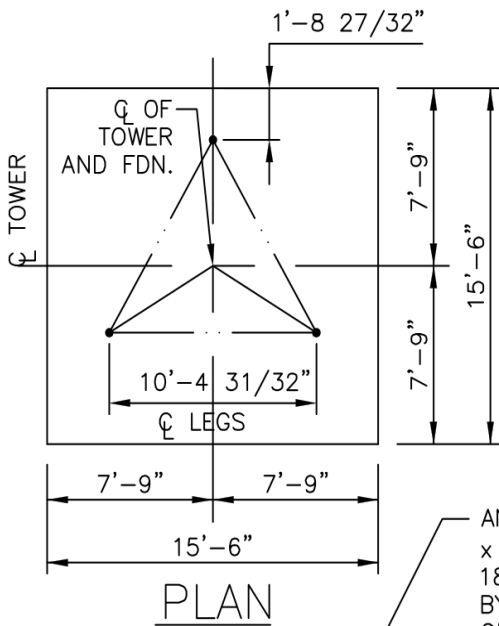
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Telephone (419) 347-1185 Fax (419) 347-1654

160' STANDARD

BY: DOW DATE: 12/21/02

DWG NO. 1058

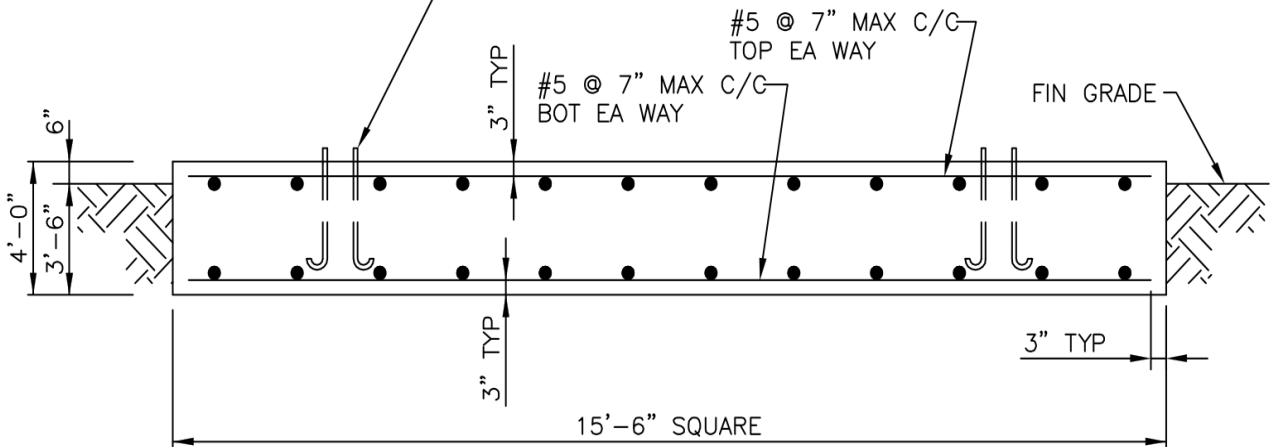


NOTES:

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 = 35.6 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.

| | | |
|--|----------------|-----------------------|
|  P.O. Box 29 Shelby, Ohio 44875 www.amertower.com info@amertower.com Since 1953 | | Fax (419) 347-1654 |
| Telephone (419) 347-1185 | | |
| 160' STANDARD FOUNDATION | | |
| BY: DOW | DATE: 12/21/02 | |
| DWG NO. 1058 A | | |