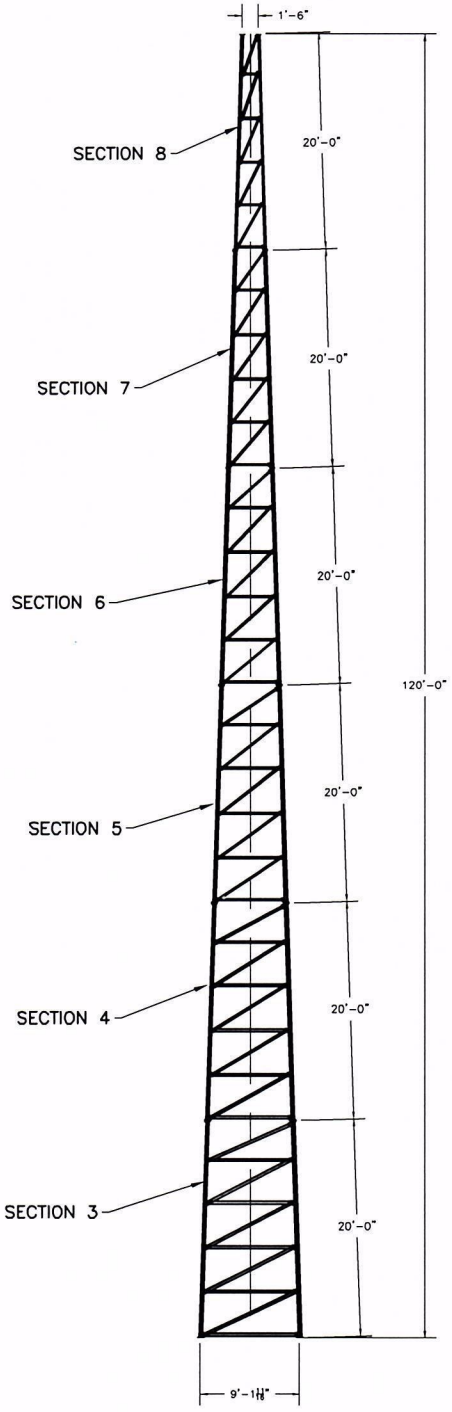
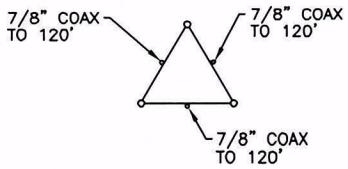
| | | | | | | |
|---|---|---|---|---|---|---|
| | | | | | | ASTM |
| LEGS | 2.875" x 0.276" | 2.875" x 0.203" | 2.375" x 0.218" | 2.375" x 0.154" | 1.9" x 0.145" | * |
| DIAGONALS | L3 x 3 x 3/16 | L2 x 2 x 1/8 | L1 3/4 x 1 3/4 x 1/8 | | L1 1/2x1 1/2x1/8 | A36 |
| GIRTS | L3 x 3 x 3/16 | L2 x 2 x 1/8 | L1 3/4 x 1 3/4 x 1/8 | | L1 1/2x1 1/2x1/8 | GRADE 5 |
| BRACE BOLTS | (1)-3/4"ø | (1)-5/8"ø | | | | |
| SPLICE BOLTS | (4)-3/4"ø | (4)-5/8"ø | | (4)-1/2"ø | | |
| ANCHOR BOLTS | (4)-1"ø (C1018 THREADED ROD) | | | | | |




According to ANSI/EIA-222-F 1996

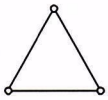
| 90 mph/78 mph + 1/2" radial ice w/ (3 second gust) per OBC AND IBC | | | | |
|---|---|---|---|---|
| | CaAa | Flat Plate Area | Weight | Elevation |
| No Ice | 52.0 sq ft | 28.89 sq ft | 1200 lbs | 120 ft |
| 1/2" Ice | 69.0 sq ft | 38.33 sq ft | 1800 lbs | 120 ft |
| No Ice | 100.0 sq ft | 55.56 sq ft | 3000 lbs | 120 ft to 90 ft |
| 1/2" Ice | 120.0 sq ft | 66.67 sq ft | 3800 lbs | 120 ft to 90 ft |
| (3)-7/8" coax Elevation 0 ft to 120 ft<br>Coax to be equally distributed to three tower faces | | | | |
| Climbing Ladder Elevation 0 ft to 120 ft | | | | |

| 70 mph/61 mph + 1/2" radial ice (Fastest MPH) per EIA-222-F | | | | |
|---|---|---|---|---|
| | CaAa | Flat Plate Area | Weight | Elevation |
| No Ice | 55.0 sq ft | 30.56 sq ft | 1200 lbs | 120 ft |
| 1/2" Ice | 72.0 sq ft | 40.00 sq ft | 1800 lbs | 120 ft |
| No Ice | 104.0 sq ft | 57.78 sq ft | 3000 lbs | 120 ft to 90 ft |
| 1/2" Ice | 124.0 sq ft | 68.89 sq ft | 3800 lbs | 120 ft to 90 ft |
| (3)-7/8" coax Elevation 0 ft to 120 ft<br>Coax to be equally distributed to three tower faces | | | | |
| Climbing Ladder Elevation 0 ft to 120 ft | | | | |




COAX LAYOUT

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



INTERIOR BRACING
– NOT REQUIRED –

FOUNDATION REACTIONS
TOTAL MOMENT: 469 FT-KIPS
TOTAL SHEAR: 7 KIPS
TOTAL DOWNLOAD: 13 KIPS


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Since 1953
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120' HEAVY

BY: DOW | DATE: 12/21/02

DWG NO. 1055