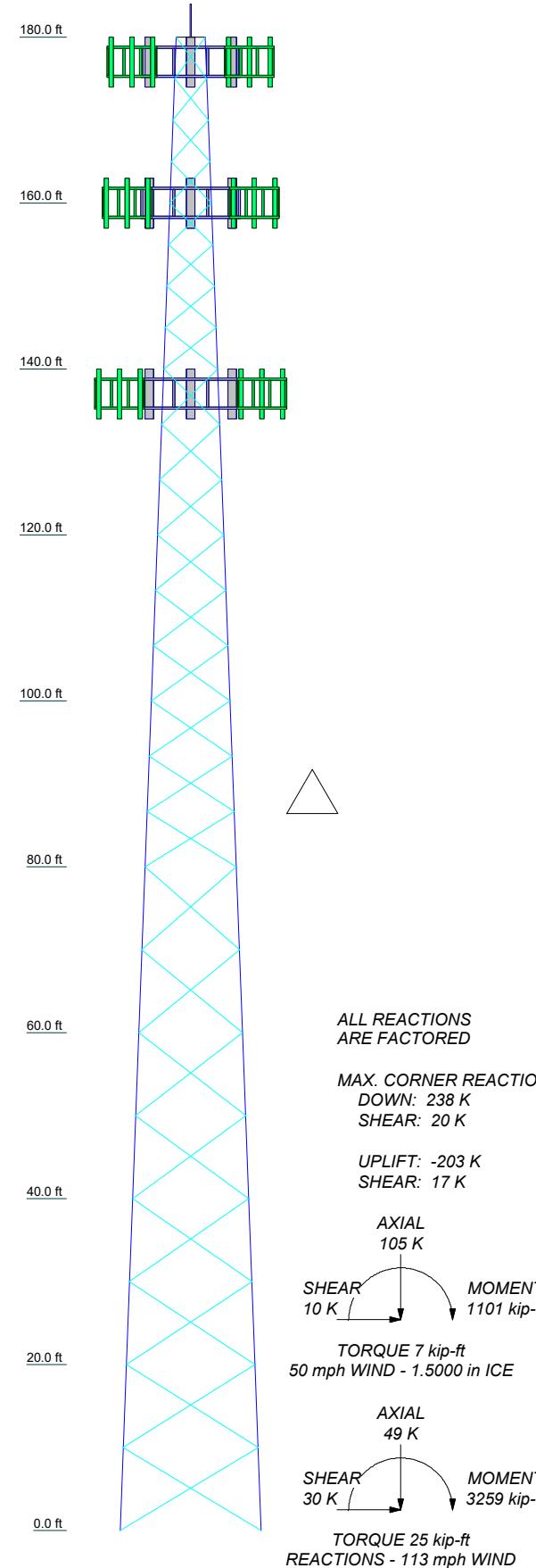


| | | | | | | | | | |
|-----------------|----------------|------------------|----------------|----------------|----------------|----------------|-------------------|----------------|-------------------|
| Section | T ₉ | T ₈ | T ₇ | T ₆ | T ₅ | T ₄ | T ₃ | T ₂ | T ₁ |
| Legs | P10x5 | | P10x365 | | P8x322 | | P6x28 | | P3x216 |
| Leg Grade | A500-50 | | | | | | | | P2.5 x 0.203 |
| Diagonals | 2L4x4x1/4x3/8 | L3 1/2x3 1/2x1/4 | | L3x3x1/4 | L3x3x3/16 | | L2 1/2x2 1/2x3/16 | | L1 1/2x1 1/2x3/16 |
| Diagonal Grade | A36 | | | | | | | | |
| Top Girls | | N.A. | | | | | L3x3x1/4 | | |
| Face Width (ft) | 17 | 15.5 | 14 | 12.5 | 11 | 9.5 | 8 | 6.5 | 5 |
| # Panels @ (ft) | | 8 @ 10 | | | | 9 @ 6.66667 | | 8 @ 5 | |
| Weight (K) | 23.3 | 6.3 | 3.7 | 3.6 | 2.6 | 2.5 | 1.7 | 1.3 | 0.8 |
| | | | | | | | | | 0.7 |



DESIGNED APPURTENANCE LOADING

| TYPE | ELEVATION | TYPE | ELEVATION |
|--|-----------|--|-----------|
| 4-ft Lightning Rod | 180 | Samsung MT6413-77A w/ MP (Verizon) | 160 |
| Kathrein 800-10121 w/ MP (ATT) | 177 | Samsung MT6413-77A w/ MP (Verizon) | 160 |
| Kathrein 800-10121 w/ MP (ATT) | 177 | Samsung RF4461d-13A (Verizon) | 160 |
| Kathrein 800-10121 w/ MP (ATT) | 177 | Samsung RF4461d-13A (Verizon) | 160 |
| CCI DMP65R-BU8D w/ MP (ATT) | 177 | Samsung B2/B66A RRH ORAN (RF4801d-25B) (Verizon) | 160 |
| CCI DMP65R-BU8D w/ MP (ATT) | 177 | Samsung B2/B66A RRH ORAN (RF4801d-25B) (Verizon) | 160 |
| CCI DMP65R-BU8D w/ MP (ATT) | 177 | Samsung B2/B66A RRH ORAN (RF4801d-25B) (Verizon) | 160 |
| CCI HPA65R-BU8A w/ MP (ATT) | 177 | Raycap RVZDC-3315-PF-48 (Verizon) | 160 |
| CCI HPA65R-BU8A w/ MP (ATT) | 177 | Pirod 12' T-Frame Sector Mount (1) (Verizon) | 160 |
| Ericsson RRUS 4478 B14 (ATT) | 177 | Pirod 12' T-Frame Sector Mount (1) (Verizon) | 160 |
| Ericsson RRUS 4478 B14 (ATT) | 177 | Pirod 12' T-Frame Sector Mount (1) (Verizon) | 160 |
| Ericsson RRUS 4478 B14 (ATT) | 177 | (3) HR w/ Double V-Brace Kit (Verizon) | 160 |
| Ericsson RRUS 4449 (ATT) | 177 | Site Pro 1 VFA10-HD [1] (TMO) | 137 |
| Ericsson RRUS 4449 (ATT) | 177 | Site Pro 1 VFA10-HD [1] (TMO) | 137 |
| Ericsson RRUS 4449 (ATT) | 177 | Site Pro 1 VFA10-HD [1] (TMO) | 137 |
| Ericsson RRUS-8843 (ATT) | 177 | Ericsson 840590966 w/ MP (TMO) | 137 |
| Ericsson RRUS-8843 (ATT) | 177 | Ericsson 840590966 w/ MP (TMO) | 137 |
| Ericsson RRUS-8843 (ATT) | 177 | Ericsson 840590966 w/ MP (TMO) | 137 |
| Powerwave LGP2140X (ATT) | 177 | Ericsson AIR 6419 B41 w/ MP (TMO) | 137 |
| Powerwave LGP2140X (ATT) | 177 | Ericsson AIR 6419 B41 w/ MP (TMO) | 137 |
| Powerwave LGP2140X (ATT) | 177 | Ericsson AIR 6419 B41 w/ MP (TMO) | 137 |
| Raycap DC6-48-60-0-8F (ATT) | 177 | RFS APXVLL19P_43-C-A20 w/ MP (TMO) | 137 |
| Raycap DC6-48-60-0-8F (ATT) | 177 | RFS APXVLL19P_43-C-A20 w/ MP (TMO) | 137 |
| Raycap DC6-48-60-0-8F (ATT) | 177 | RFS APXVLL19P_43-C-A20 w/ MP (TMO) | 137 |
| Pirod 12' T-Frame Sector Mount (1) (ATT) | 177 | Ericsson RRUS 4460 (TMO) | 137 |
| Pirod 12' T-Frame Sector Mount (1) (ATT) | 177 | Ericsson RRUS 4460 (TMO) | 137 |
| Pirod 12' T-Frame Sector Mount (1) (ATT) | 177 | Ericsson RRUS 4460 (TMO) | 137 |
| (2) NHH-55B-R2B w/ MP (Verizon) | 160 | Ericsson RRUS 4480 B71+B85 (TMO) | 137 |
| (2) Commscope NHH-65B-HG-R2B w/ MP (Verizon) | 160 | Ericsson RRUS 4480 B71+B85 (TMO) | 137 |
| (2) Commscope NHH-65B-HG-R2B w/ MP (Verizon) | 160 | Ericsson RRUS 4480 B71+B85 (TMO) | 137 |
| Samsung MT6413-77A w/ MP (Verizon) | 160 | Samsung MT6413-77A w/ MP (Verizon) | 160 |

MATERIAL STRENGTH

| GRADE | F _y | F _u | GRADE | F _y | F _u |
|----------|----------------|----------------|---------|----------------|----------------|
| A500M-54 | 54 ksi | 70 ksi | A500-50 | 50 ksi | 62 ksi |
| A36 | 36 ksi | 58 ksi | | | |

TOWER DESIGN NOTES

1. Tower is located in Franklin County, Massachusetts.
2. Tower designed for Exposure B to the TIA-222-H Standard.
3. Tower designed for a 113 mph basic wind in accordance with the TIA-222-H Standard.
4. Tower is also designed for a 50 mph basic wind with 1.50 in ice. Ice is considered to increase in thickness with height.
5. Deflections are based upon a 60 mph wind.
6. Tower Risk Category II.
7. Topographic Category 1 with Crest Height of 0.00 ft
8. TOWER RATING: 68%

| | |
|----------------------------------|--------------------|
| Job: ERVING_W_MA / 674895 | |
| Project: FUZE#: 17303951 | |
| Client: Verizon | App'd: |
| Code: TIA-222-H | Scale: NTS |
| Path: | Dwg No. E-1 |
| Phone: | |
| FAX: | |