

Section Properties

| | | | |
|-------------------------|---|------------------|---|
| Number of Posts per end | 1 | Number of Chords | 3 |
|-------------------------|---|------------------|---|

Overhead Truss

| Section 1 | | | | | | | | | | | | | |
|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-------|----------|---------------------|-----------------|-----------------|----------|---------------|----------|
| Chord Area | Mem. Of | Diag. Area | Total 1 | Total S | Total Area | Chord | Weight | Ice Area | Wind Area | Wind Area | Diagonal | No. of Diags. | Diagonal |
| A _s | I _s | A _d | I _d | Stat | Atot | Rmin | per foot | | Chord | Diags | R min | per plane | Length |
| 2.68 | 4.771 | 0.94 | 1751 | 97.26 | 11.61 | 1.33 | 39.5 | 6.0 | 1.00 | 0.71 | 0.389 | 8 | 2.88 |
| 2.68 | 4.771 | 0.94 | 1751 | 84.13 | 11.61 | 1.33 | 39.5 | 6.0 | 1.00 | 0.71 | 0.389 | 8 | 2.88 |
| in ² | in ⁴ | in ² | in ⁴ | in ³ | in ² | in | lb/ft | in ² /ft | in ² | in ² | in | | ft |

| Section 2 | | | | | | | | | | | | | |
|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-------|----------|---------------------|-----------------|-----------------|----------|---------------|----------|
| Chord Area | Mem. Of | Diag. Area | Total 1 | Total S | Total Area | Chord | Weight | Ice Area | Wind Area | Wind Area | Diagonal | No. of Diags. | Diagonal |
| A _s | I _s | A _d | I _d | Stat | Atot | Rmin | per foot | | Chord | Diags | R min | per plane | Length |
| 2.68 | 4.771 | 0.94 | 1751 | 87.26 | 11.61 | 1.33 | 39.5 | 6.0 | 1.00 | 0.71 | 0.389 | 8 | 2.88 |
| 2.68 | 4.771 | 0.94 | 1751 | 84.13 | 11.61 | 1.33 | 39.5 | 6.0 | 1.00 | 0.71 | 0.389 | 8 | 2.88 |
| in ² | in ⁴ | in ² | in ⁴ | in ³ | in ² | in | lb/ft | in ² /ft | in ² | in ² | in | | ft |

| Section 3 - Section 1 | | | | | | | | | | | | | |
|-----------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-------|----------|---------------------|-----------------|-----------------|----------|---------------|----------|
| Chord Area | Mem. Of | Diag. Area | Total 1 | Total S | Total Area | Chord | Weight | Ice Area | Wind Area | Wind Area | Diagonal | No. of Diags. | Diagonal |
| A _s | I _s | A _d | I _d | Stat | Atot | Rmin | per foot | | Chord | Diags | R min | per plane | Length |
| 2.68 | 4.77 | 0.94 | 1751 | 97.26 | 11.61 | 1.33 | 39.50 | 6.0 | 1.00 | 0.71 | 0.39 | 8.00 | 2.88 |
| 2.68 | 4.77 | 0.94 | 1751 | 84.13 | 11.61 | 1.33 | 39.50 | 6.0 | 1.00 | 0.71 | 0.39 | 8.00 | 2.88 |
| in ² | in ⁴ | in ² | in ⁴ | in ³ | in ² | in | lb/ft | in ² /ft | in ² | in ² | in | | ft |

Posts

| Left Post | | | | | | | | | | | | | |
|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-------|-----------------|--------|-----------------|-----------------|----------|--------------|----------|
| Chord Area | Mem. Of | Diag. Area | Ixx | Sxx | Izz | Chord | Szz | Weight | Ice Area | Wind Area | Diagonal | Total Number | Diagonal |
| A _s | I _s | A _d | I _{xx} | I _{xx} | I _{zz} | Rmin | per foot | lb/ft | in ² | in ² | R min | of Diagonals | Length |
| 21.21 | 483.063 | 0.00 | 483.09 | 69.01 | 483.09 | 4.77 | 69.01 | 72.16 | 3.67 | 1.167 | 999 | 0 | 0.00 |
| in ² | in ⁴ | in ² | in ⁴ | in ³ | in ⁴ | in | in ³ | lb/ft | in ² | in ² | in | | ft |

| Right Post | | | | | | | | | | | | | |
|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-------|-----------------|--------|-----------------|-----------------|----------|--------------|----------|
| Chord Area | Mem. Of | Diag. Area | Ixx | Sxx | Izz | Chord | Szz | Weight | Ice Area | Wind Area | Diagonal | Total Number | Diagonal |
| A _s | I _s | A _d | I _{xx} | I _{xx} | I _{zz} | Rmin | per foot | lb/ft | in ² | in ² | R min | of Diagonals | Length |
| 21.21 | 483.063 | 0.00 | 483.09 | 69.01 | 483.09 | 4.77 | 69.01 | 72.16 | 3.67 | 1.167 | 999 | 0 | 0.00 |
| in ² | in ⁴ | in ² | in ⁴ | in ³ | in ⁴ | in | in ³ | lb/ft | in ² | in ² | in | | ft |

Signs

| Sign 1 | | | | Sign 2 | | | |
|-----------------|--------|----------|------------|-----------------|--------|----------|------------|
| Area | Weight | Ice Load | L/W Ratio | Area | Weight | Ice Load | L/W Ratio |
| 106.2367 | 726 | 26 | 1.85719653 | 106.2367 | 726 | 26 | 1.85719653 |
| in ² | lb | lb | | in ² | lb | lb | |

| Sign 3 | | | |
|-----------------|--------|----------|-----------|
| Area | Weight | Ice Load | L/W Ratio |
| 0 | 0 | 0 | 0 |
| in ² | lb | lb | |

| Section 1 & 3 | | Section 2 | |
|--------------------|---------|--------------------|---------|
| Ice Area 4 = | 6.0 | Ice Area 4 = | 6.0 |
| Ice Area 3 = | 6.0 | Ice Area 3 = | 6.0 |
| Wind area diag 4 = | 0.4713 | Wind area diag 4 = | 0.4713 |
| Wind area diag 3 = | 0.7073 | Wind area diag 3 = | 0.7073 |
| Ice Area 1 = | 1.04198 | Ice Area 1 = | 1.04198 |

230-sign-g