

Site Number: 10047
 Site Name: PORTLAND ME, ME
 Customer: T-MOBILE

Code: ANSI/TIA-222-G
 Engineering Number: OAA706994_C3_01

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 7/26/2017 2:24:49 PM

Force/Stress Summary

| Section: 19 2 | | Bot Elev (ft): 218.5 | | | | | | Height (ft): 1.500 | | | | | | | |
|------------------------|------------------|----------------------|-------|-----------|-----|-----|-------|--------------------|--------|-------|--------|-------|------|----------|----------|
| | | Pu | Len | Bracing % | | | F'y | Phic Pn | Num | Num | Shear | Bear | Use | | |
| | | (kip) | (ft) | X | Y | Z | (ksi) | (kip) | Bolts | Holes | phiRnv | phiRn | % | Controls | |
| Max Compression Member | | Load Case | | KL/R | | | | | | | (kip) | (kip) | | | |
| LEG | SOL - 2" SOLID | -48.51 1.2D + 1.6W | 0.83 | 100 | 100 | 100 | 20.0 | 50.0 | 137.30 | 0 | 0 | 0.00 | 0.00 | 35 | Member X |
| HORIZ | SOL - 3/4" SOLID | -1.22 1.2D + 1.6W 60 | 3.500 | 96 | 96 | 96 | 139.8 | 50.0 | 5.11 | 0 | 0 | 0.00 | 0.00 | 23 | Member X |
| DIAG | | 0.00 | 0.000 | 0 | 0 | 0 | 0.0 | 0.00 | 0 | 0 | 0.00 | 0.00 | | | |

| | | Pu | Fy | Fu | Phit Pn | Num | Num | Shear | Bear | Blk Shear | Use | | |
|--------------------|------------------|---------------------|-------|-------|---------|-------|-------|--------|-------|-----------|-----|----------|--------|
| | | (kip) | (ksi) | (ksi) | (kip) | Bolts | Holes | phiRnv | phiRn | phit Pn | % | Controls | |
| Max Tension Member | | Load Case | | | | | | (kip) | (kip) | (kip) | | | |
| LEG | SOL - 2" SOLID | 1.45 1.2D + 1.6W 60 | 50 | 65 | 141.37 | 0 | 0 | 0.00 | 0.00 | | | 1 | Member |
| HORIZ | SOL - 3/4" SOLID | 1.19 1.2D + 1.6W | 50 | 65 | 19.88 | 0 | 0 | 0.00 | 0.00 | 0.00 | | 5 | Member |
| DIAG | SOL - 3/4" SOLID | 0.01 1.2D + 1.6W | 50 | 65 | 19.88 | 0 | 0 | 0.00 | 0.00 | 0.00 | | 0 | Member |

| Max Splice Forces | | Pu | phiRnt | Use | Num | Bolt Type |
|-------------------|--|-----------------------|--------|-----|-------|-----------|
| | | (kip) | (kip) | % | Bolts | |
| Top Tension | | 1.45 1.2D + 1.6W 300 | 87.50 | 2 | 0 | |
| Top Compression | | 48.68 1.2D + 1.6W 240 | 141.40 | 34 | | |
| Bot Tension | | 1.30 1.2D + 1.6W 300 | 0.00 | 0 | | |
| Bot Compression | | 48.81 1.2D + 1.6W 240 | 0.00 | 0 | | |

| Section: 20 2 - 5' | | Bot Elev (ft): 220.0 | | | | | | Height (ft): 5.000 | | | | | | | |
|------------------------|------------------|----------------------|-------|-----------|-----|-----|-------|--------------------|--------|-------|--------|-------|------|----------|----------|
| | | Pu | Len | Bracing % | | | F'y | Phic Pn | Num | Num | Shear | Bear | Use | | |
| | | (kip) | (ft) | X | Y | Z | (ksi) | (kip) | Bolts | Holes | phiRnv | phiRn | % | Controls | |
| Max Compression Member | | Load Case | | KL/R | | | | | | | (kip) | (kip) | | | |
| LEG | SOL - 2" SOLID | -44.83 1.2D + 1.6W | 2.17 | 100 | 100 | 100 | 52.0 | 50.0 | 116.00 | 0 | 0 | 0.00 | 0.00 | 38 | Member X |
| HORIZ | SOL - 3/4" SOLID | -2.08 1.2D + 1.6W | 3.500 | 96 | 96 | 96 | 139.8 | 50.0 | 5.11 | 0 | 0 | 0.00 | 0.00 | 40 | Member X |
| DIAG | SOL - 3/4" SOLID | -4.04 1.2D + 1.6W 90 | 4.117 | 50 | 50 | 50 | 118.5 | 50.0 | 7.10 | 0 | 0 | 0.00 | 0.00 | 56 | Member X |

| | | Pu | Fy | Fu | Phit Pn | Num | Num | Shear | Bear | Blk Shear | Use | | |
|--------------------|------------------|---------------------|-------|-------|---------|-------|-------|--------|-------|-----------|-----|----------|--------|
| | | (kip) | (ksi) | (ksi) | (kip) | Bolts | Holes | phiRnv | phiRn | phit Pn | % | Controls | |
| Max Tension Member | | Load Case | | | | | | (kip) | (kip) | (kip) | | | |
| LEG | SOL - 2" SOLID | 1.46 1.2D + 1.6W 60 | 50 | 65 | 141.37 | 0 | 0 | 0.00 | 0.00 | | | 1 | Member |
| HORIZ | SOL - 3/4" SOLID | 2.11 1.2D + 1.6W 60 | 50 | 65 | 19.88 | 0 | 0 | 0.00 | 0.00 | 0.00 | | 10 | Member |
| DIAG | SOL - 3/4" SOLID | 4.09 1.2D + 1.6W 90 | 50 | 65 | 19.88 | 0 | 0 | 0.00 | 0.00 | 0.00 | | 20 | Member |

| Max Splice Forces | | Pu | phiRnt | Use | Num | Bolt Type |
|-------------------|--|-----------------------|--------|-----|-------|-----------|
| | | (kip) | (kip) | % | Bolts | |
| Top Tension | | 0.00 | 0.00 | 0 | 0 | |
| Top Compression | | 38.92 1.2D + 1.0Di + | 0.00 | 0 | | |
| Bot Tension | | 1.45 1.2D + 1.6W 300 | 0.00 | 0 | | |
| Bot Compression | | 48.68 1.2D + 1.6W 240 | 0.00 | 0 | | |