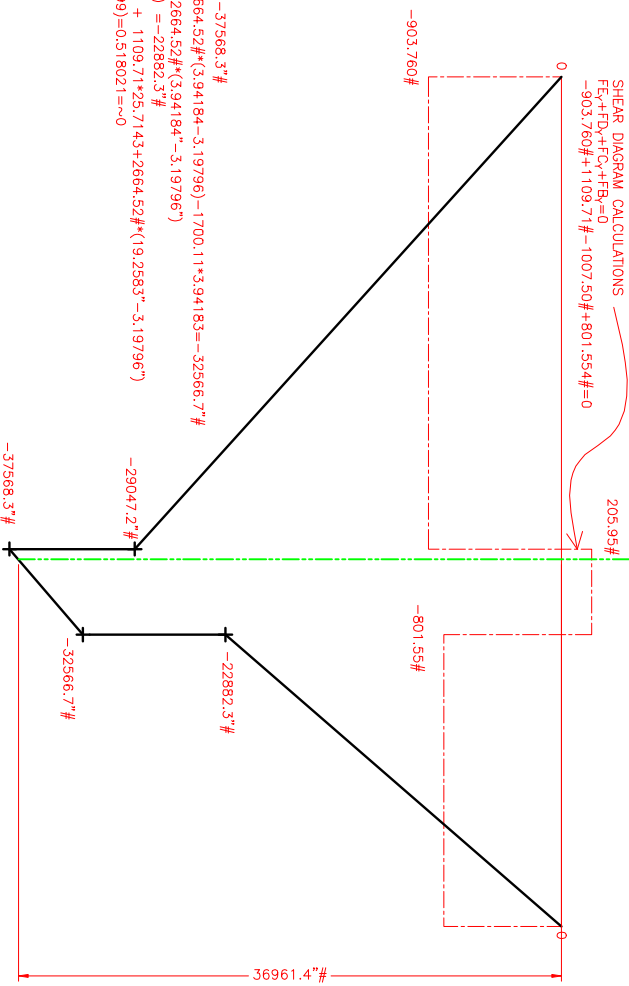


SHEAR DIAGRAM CALCULATIONS
 $F_{E_y} + F_{D_y} + F_{C_y} + F_{B_y} = 0$
 $-903.760 \# + 1109.71 \# - 1007.50 \# + 801.554 \# = 0$



MOMENT CALCULATIONS

$M_{32.1404} = -903.760 \# \times 32.1404 = -29047.2 \#$
 $M_{32.1404} = -903.760 \# \times 32.1404 - 264.52 \# \times 3.19796 = -37568.3 \#$
 $M_{57.8547} = -903.760 \# \times 37.9664 + 1109.71 \# \times 5.82609 + 264.52 \# \times (3.94184 - 3.19796) = -22882.3 \#$
 $M_{57.8547} = -903.760 \# \times 37.9664 + 1109.71 \# \times 5.82609 + 264.52 \# \times (3.94184 - 3.19796) - 1700.11 \# \times 3.94183 + 1570.49 \# \times (3.94183 + 2.22499) = -22882.3 \#$
 $M_{19.2583} = -903.760 \# \times 57.8547 - 1700.11 \# \times 19.2583 + 1109.71 \times 25.7143 + 264.52 \# \times (19.2583 - 3.19796) - 1007.50 \# \times 19.8882 + 1570.49 \# \times (19.2583 + 2.22499) = 0.518021 \approx 0$