



MOMENT CALCULATIONS

$$M_{32.1404} = -625.102\# \cdot 32.1404 = -20091.0\#$$

$$M_{32.1404} = -625.102\# \cdot 32.1404 - 1335.00\# \cdot 3.19796 = -24360.3\#$$

$$M_{37.9664} = -625.102\# \cdot 37.9664 + 349.878\# \cdot 5.82610 + 1335.00\# \cdot (3.94184 - 3.19796)$$

$$= -388.035\# \cdot 3.94184 = -22231.0\#$$

$$M_{57.8547} = -625.102\# \cdot 37.9664 + 349.878\# \cdot 5.82610 + 1335.00\# \cdot (3.94184 - 3.19796)$$

$$= -388.035\# \cdot 3.94184 + 1557.69\# \cdot (3.94183 + 2.22499) = -12624.9\#$$

$$M_{19.2583} = -625.102\# \cdot 57.8547 + 349.878\# \cdot 25.7143 - 1018.89\# \cdot 19.8882 - 388.035\# \cdot 19.2583$$

$$+ 1335.00\# \cdot (19.2583 - 3.19796) + 1557.69\# \cdot (19.2583 + 2.22499) = -0.143462 \sim 0$$

SHEAR DIAGRAM CALCULATIONS

