

$$\begin{aligned} \text{LL ATTIC} &= 30 \text{ psf} \\ \text{TRIB AREA} &= 4.516 \times 5.416 = 24.3 \end{aligned}$$

$$24.3 \times 30 = 731$$

$$\text{LL FLOOR} = 100 \text{ psf}$$

$$24.3 \times 100 = 2430$$

$$\begin{aligned} \text{FLR FRAMING} &= 20 \text{ SF} \\ 20 \times 24.3 &= 486 \end{aligned}$$

$$\text{CLD FRM} = 11 \text{ psf}$$

$$11 \times 24.3 = 267.3$$

$$\begin{aligned} \text{GRD BM WT} \\ \text{SLAB} &= 356 \text{ lb/SF} \end{aligned}$$

$$356 \times 24.3 = 8650.8$$

~~8650.8~~

$$\begin{aligned} \text{GRD BM} \\ \text{SLAB WT} &= 62.5 \text{ SF} \end{aligned}$$

$$24.3 \times 62.5 = 1518.75$$

BLOCK	5775
LL ATTIC	731
LL 2 <sup>ND</sup> FLR	2430
FLR FRAMING	486
CLD FRAMING	267
GRD BM	1612.58
SLAB	1518.75
	<hr/>
	12815

$$12815 < 16K$$

USE 4.5 PILE SPACING