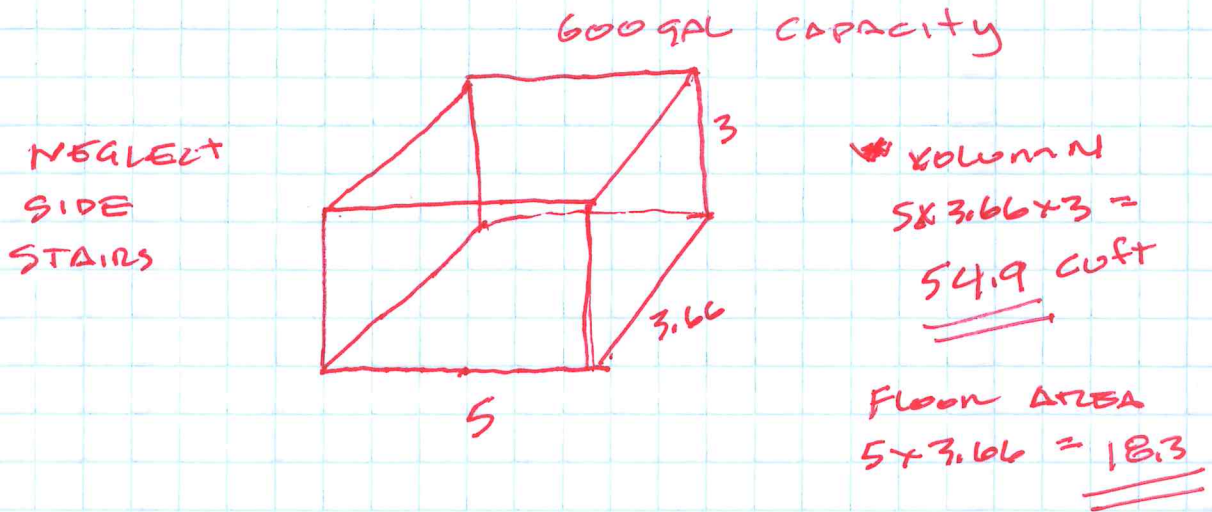


WT OF MATERIALS

2x12 @ 16" o.c.	5.75 lb/ft ²
3/4 ply	2.34
2x4 @ 16" o.c.	8.0
H ₂ O GAL/ft ³	7.48 gal
H ₂ O WEIGHT	8.4 lb/gal
H ₂ O WT ft ³	62.4 lb/ft ³
LL SHOWER	50 psf
LL STORAGE	20 psf
LL CORRIDOR	80 psf
LL BAPTISTRY 2x250 / 18.3	27.3 psf
LL Shell wt 260 / 18.3	14.2 psf
DL H ₂ O 600x8.4 / 18.3	275.4 psf
MECH ROOM LL	150 psf



TANK WT + LL + DL

$$14.2 + 27.3 + 275.4 = 316.9 \text{ lb/ft}^2 \times 1.5$$

Joist spacing

$$\underline{\underline{475.35 \text{ lb LF}}}$$