The existing structure already has a septic system (1500 gal tank) + 250' of drainfield. This existing system should be capable of handling any existing plumbing, especially since there is no kitchen in bld. ~~[illegible]~~ There is one restroom on main floor. Acc. to John Brown there will be 3 employees max + the Doctor = 4 employees. He also said 15 patients per day is a figure to expect given the circumstances (approx - one patient per 30 min)

$4 \times 25 \text{ gal/day} = 100 \text{ gal/day}$

$15 \times 5 \text{ gal/day} = 75 \text{ gal/day}$

175 gal/day

Ex system designed @ ~360 gpd

The new addition is $27.67' \times 48.5' \cong 1342 \text{ ft}^2$

480 gal/1000 ft² ⇒ .48/ft² $\quad .48 \times 1342 = 644 \text{ gal/day}$ design flow

App rate = .3

$644 \div 3 = 2146.7 \text{ ft}^2$ of drainfield $\cong$ 715 linear feet of line

~358 per subfield

