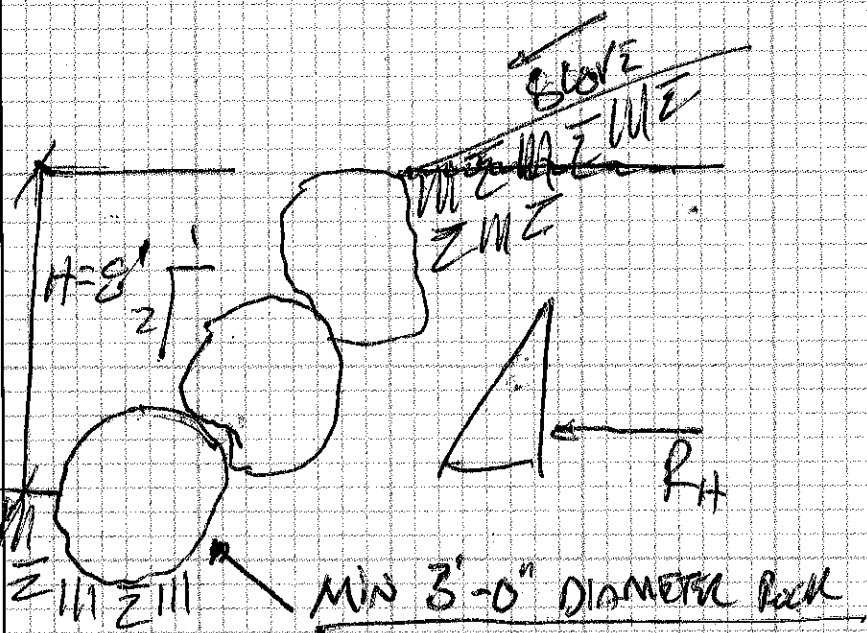
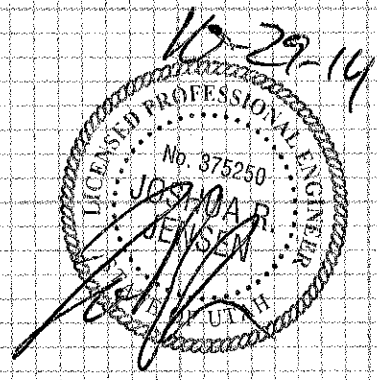


Rock wall Calculation



DESIGN

$\gamma_{SOIL} = 115 \text{ pcf}$
 $\gamma_{ROCK} = 150 \text{ pcf}$
 $\mu_{ROCK} = 0.40$
 $K_a = 0.15$ ASSUMED



$R_H = \left(\frac{1}{2}\right)(8')(8')(115 \text{ pcf})(0.15) = 552 \text{ lb/ft}$

RESISTANCE = $\left(\frac{3' \text{ FT}}{2}\right)^2 \gamma (150 \text{ pcf})(0.40)(2) = 848 \text{ lb/ft}$ (2) SURFACES

F.S. = 1.54 ✓ OK