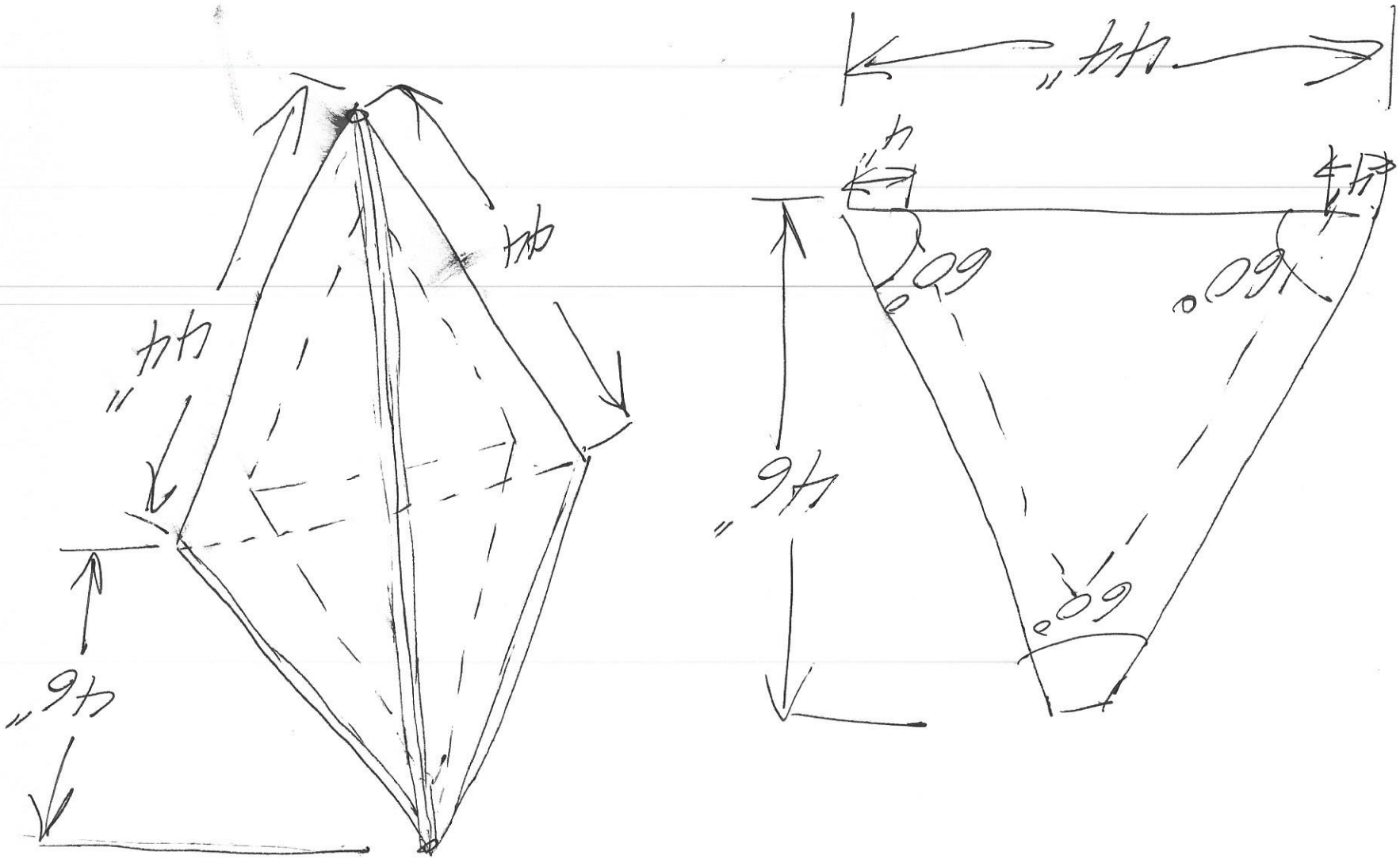
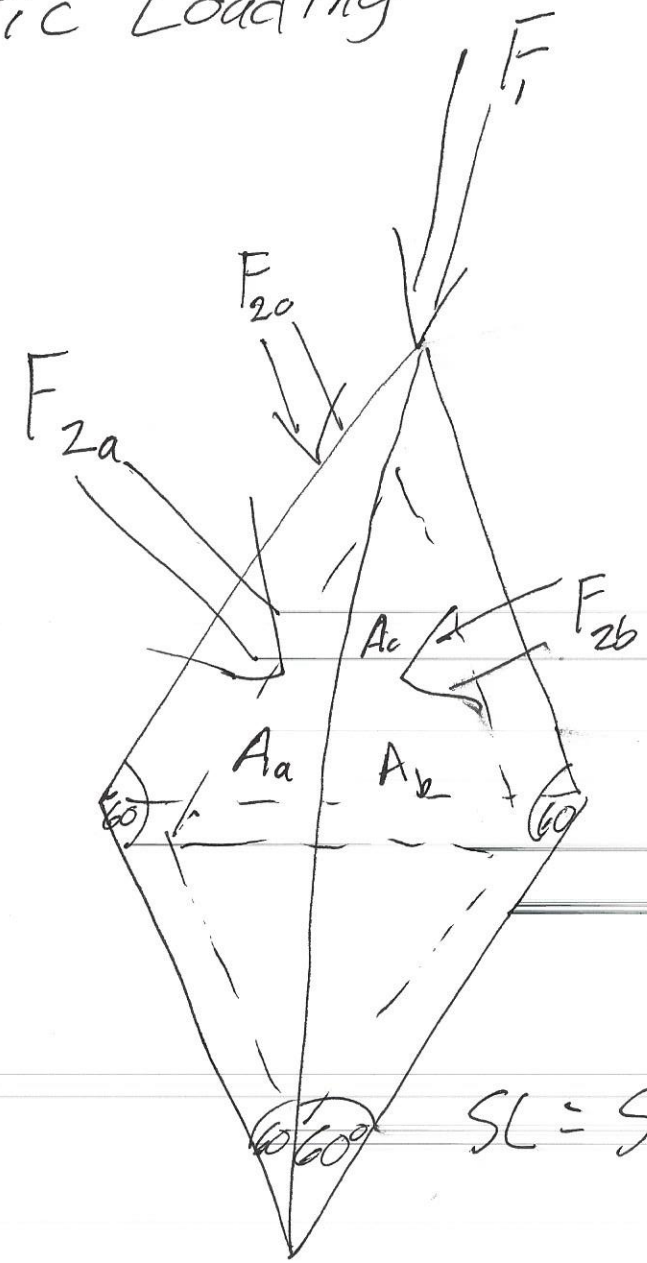


Static Loading



$F = 5000\ lb$

$F_{1a} + F_{1b} + F_{1c} = 5000\ lb$

$F_{1a} = F_{1b} = F_{1c} = 1666.67\ lb$

$F_{2a} = F_{1a} / \sin 60° = 1924.5\ lb$

$F_{2a} = F_{2b} = F_{2c}$

SL = Static Load / face = $F_{area} / Area$

$SL_a = F_{2a} / A_a = F_{2b} / A_b = F_{2c} / A_c$