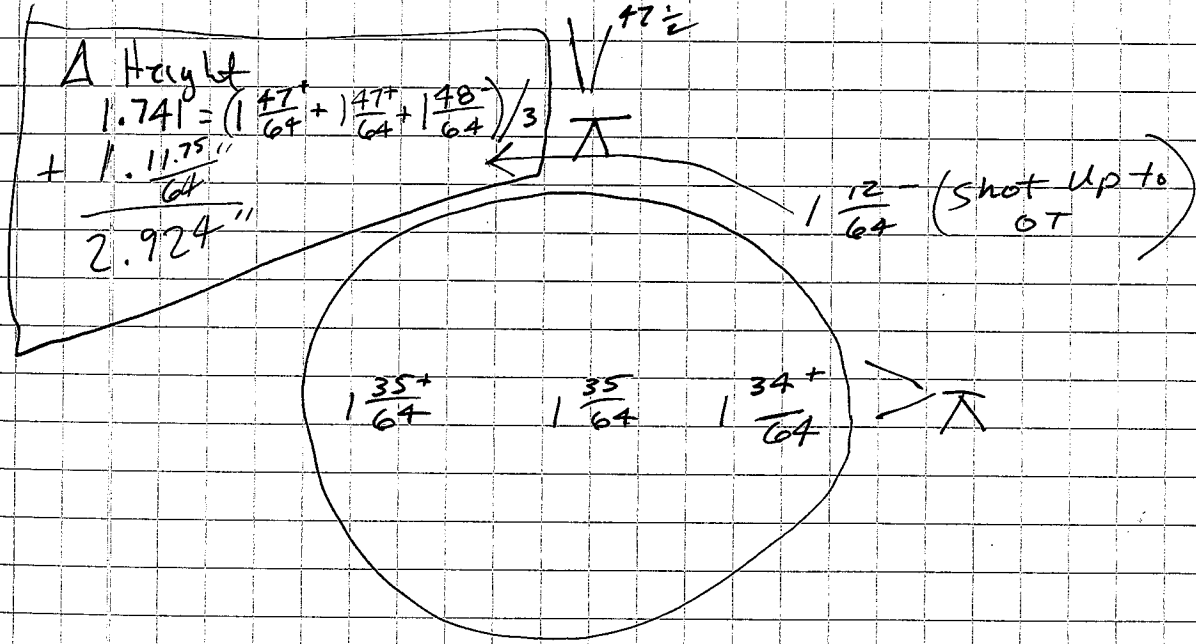
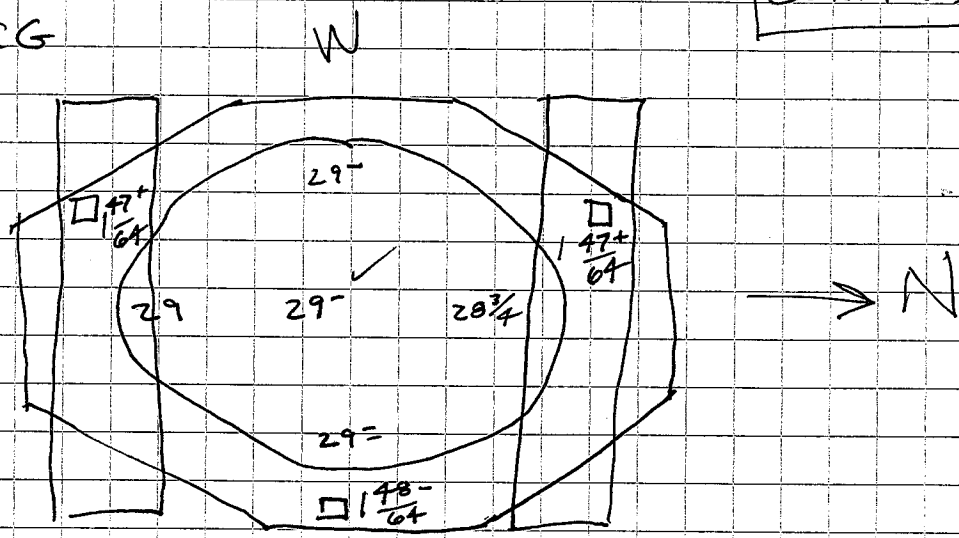


BSC-151 #1 (BSC 8)
on MTS#2

26 July 2011
OPTICAL LEVEL SHOTS

MAX HR
∅ CG

Sokkia # 101570



Shot Optical Table Bottom and stage 0 Alignment Post Pocket from East as above. The shots on the stage 0 ^{indicate} suggest a slight tilt, down to the East of $1 \frac{47}{64} - 1 \frac{48}{64} = \sim .008''$ (.2mm). The alignment post pocket is $\sim 1m$ radius from center so $.2mm/m \Rightarrow .2 \text{ mrad}$ - well under tolerance. The optical table (rocked) ($< .001''$ CHG lock/unlock) shows tilt down to West ($29 \text{ mm} - 29 = \sim .003''$) and down to North $29 - 28 \frac{3}{4} = \frac{1}{4} \text{ mm}$. So over almost 2m of the Optical Table $.25/2 = .125 \text{ mrad}$. Optical Table Level Tolerance from IAS (Initial Alignment) is .4 mrad.

No East