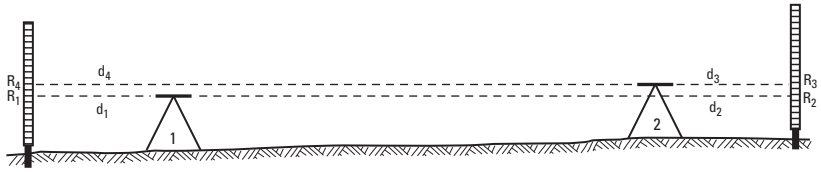
PEG TEST OF ENGINEER'S LEVEL

Tested by: _____ Date: _____

Make/Model: Circle system type(s): optical digital



$$\text{Collimation} = c = 100 * \left[\frac{(R_1 + R_3) - (R_2 + R_4)}{(d_2 + d_4) - (d_1 + d_3)} \right]$$

Average of d_2 and d_4 should be less than 110 ft.

OPTICAL SYSTEM		R	d
$c = 100 * \left[\frac{(\quad + \quad) - (\quad + \quad)}{(\quad + \quad) - (\quad + \quad)} \right]$	1		
	2		
	3		
c = _____ft/100ft as found	4		

DIGITAL SYSTEM		R	d
$c = 100 * \left[\frac{(\quad + \quad) - (\quad + \quad)}{(\quad + \quad) - (\quad + \quad)} \right]$	1		
	2		
	3		
c = _____ft/100ft as found	4		

ADJUSTMENT (level remains set up at 2 and sighted at R_4)

Adjust cross hair to $R_4 \pm \left[\frac{(cd_4)}{100} \right] = ____ \pm \left[\frac{(____)}{100} \right]$

Repeat collimation test after adjustment.

COLLIMATION TEST AFTER ADJUSTMENT

$$c = 100 * \left[\frac{(\quad + \quad) - (\quad + \quad)}{(\quad + \quad) - (\quad + \quad)} \right]$$

c = _____ft/100ft as found

NOTES or COMMENTS: