

# Indirect Flat Building Sidewall Heights for ExamNet:

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We will explain how to use a Leica Disto D8's "Double Tilt measurement 2". For simplicity, we will call this the "Percent button" (shown in the red circle in picture at right). Using the Percent button it is possible to easily measure the sidewall air space in a flat building without actually climbing on the grain. 1. Turn the unit on by the pressing the big red button once.



2. Press the Percent button 4 times in quick succession. After doing this the graphic will appear as shown in the photo at left with the double red lines angling up. You are now ready to take 2 angled measurements and Disto will calculate the equivalent vertical segment height.

## Indirect Segment Height:



The first measurement is always at the highest point so aim the laser (a tripod is very helpful here) first at the top of the sidewall as shown in the illustration at left. The viewfinder button is very useful for this reading (extreme upper left corner of Disto D8). Press the red button once to take the FIRST measurement. Now

immediately re-aim your laser at the lower point on the sidewall just where the grain meets the post and take the SECOND measurement by pressing the red button once. The Disto will now display the vertical distance between your two measuring points as indicated the green line in the photo.

*Note: This procedure will only work if BOTH measurements are in the same quadrant. That is, both measurements are “uphill” as in the example or both downhill. You will receive an error if one the measurements is pointing “up” and the other is pointing “down”. Adjust your position such that both measurements are up or down.*