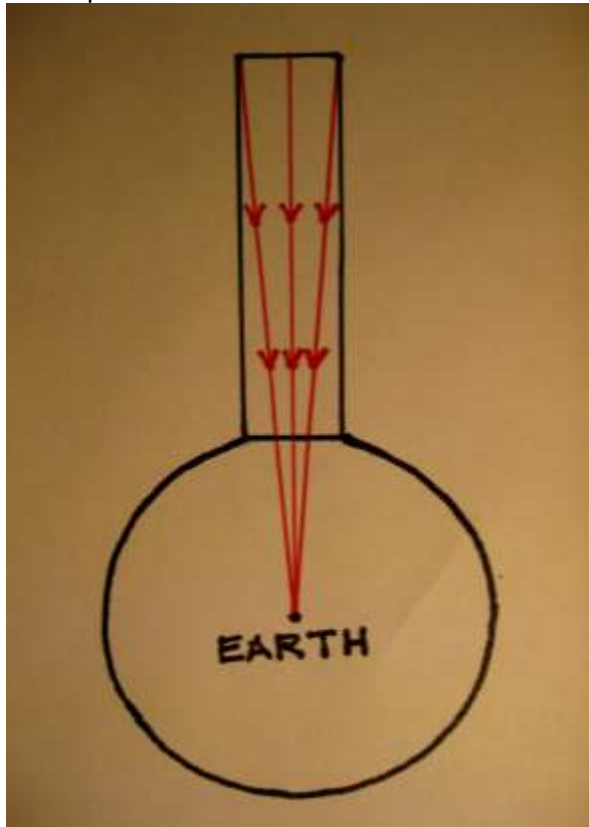


GRAVITY

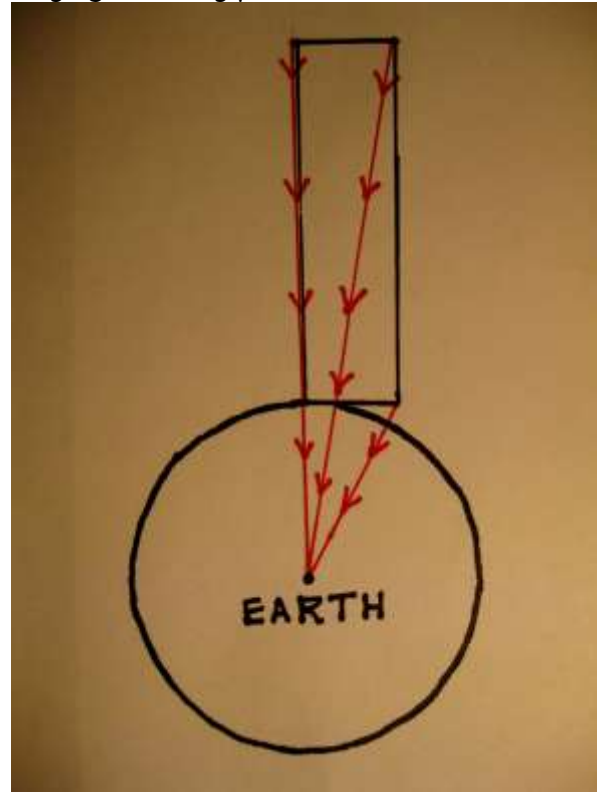
This article was inevitable after I wrote "What is a level line". I knew it then and I realize it more now after a few emailed me and said "it did not matter where you set your level, the building would be level all over".

A stupider statement was probably never made as far as constructing a base for a building, especially a high rise, like one of my favorite buildings in the world, the Freedom Tower. I am using the 1776' Freedom Tower as an example in this article.



This building has equal gravitational pull. The gravity is pulling equally throughout the building. Engineers calculate the dead load to equalize this pull, especially on a building this high. Dead center plumb line.

The red lines are gravitational pull lines. The carpenter/surveyor/engineer set the level in the center of the footprint and shot the elevations and points for the base of the building, exactly as I and many others have been saying. Exactly, proven, correct.



This building, as any normal carpenter can see, has unequal gravitational pull and can lead to major structural problems, credit this to the engineers or whoever set their level at one end and shot the fill elevations/building elevations at the baseline.

The Freedom Tower is only 200'x200' at the base, but I will guarantee you the engineers have their level in the center, dead center.

The tower tapers to the top 1.2° and they will be checking for a dead center plumb line/level all the way to the top. It will be built off the center plumb line.

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