

SQUARE FOOT

DIMINISHING SOIL PRESSURE COMPARE SQUARE vs. ROUND

The larger the underside area of a footing is for a given load the lower the pressure on the soil is.

A **SQUARE** footing with a side dimension equal to the dimension of a round footing has 20%+ more surface area which reduces the pressure proportionally.

A The pressure on the soil is at its highest point at the base of the footing.

B If you measure the footings horizontal width and rotate that width vertically, that is the point where the soil pressure is diminished by half of it's original strength.

C If you follow this step one more time, by taking the same horizontal width from the point where the soil is diminished by half, that is the point where the soil is diminished by two thirds.

COMPARE a SQUARE FOOTING to a ROUND one:

A **SQUARE** footing radiates out soil pressure in the shape of a pyramid, whereas a round/bell/cone shaped footing radiates out in a circle as shown in **FIGURE 1**.

SQUARE FOOT® has larger bearing area due to the increased area a square surface covers. (See corners vs. circle area) **Figure 1**.

Our 3 **SQUARE FOOT®** models SF22, SF28, SF32 compared to any of our competitors models are simply **STRONGER FOOTINGS!**

DIMINISHING SOIL PRESSURE

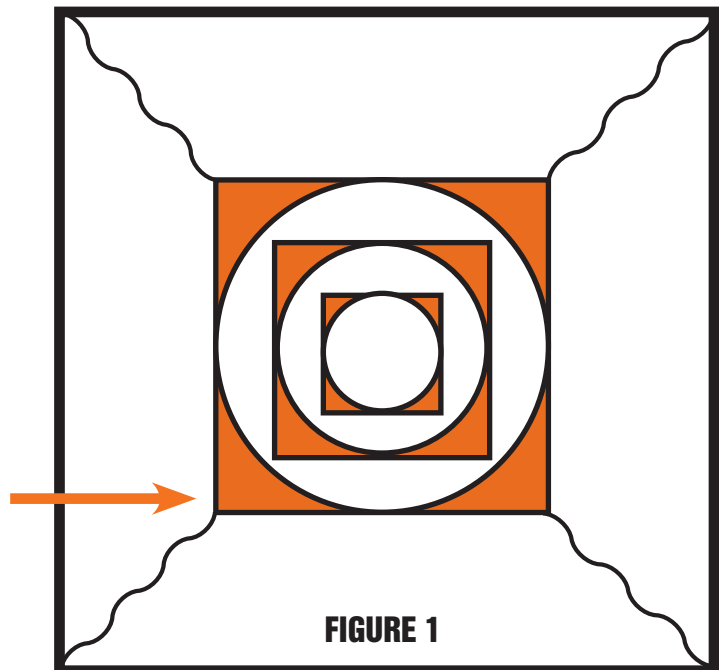
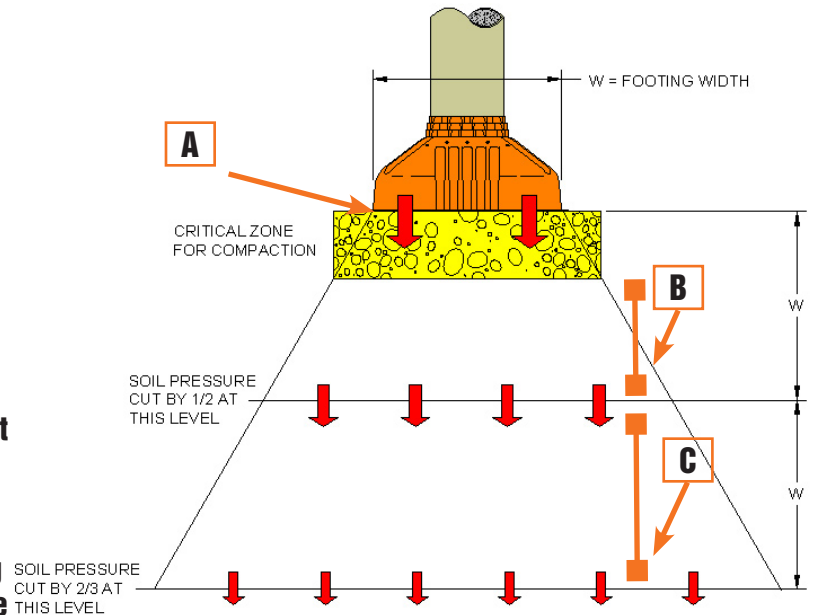


FIGURE 1