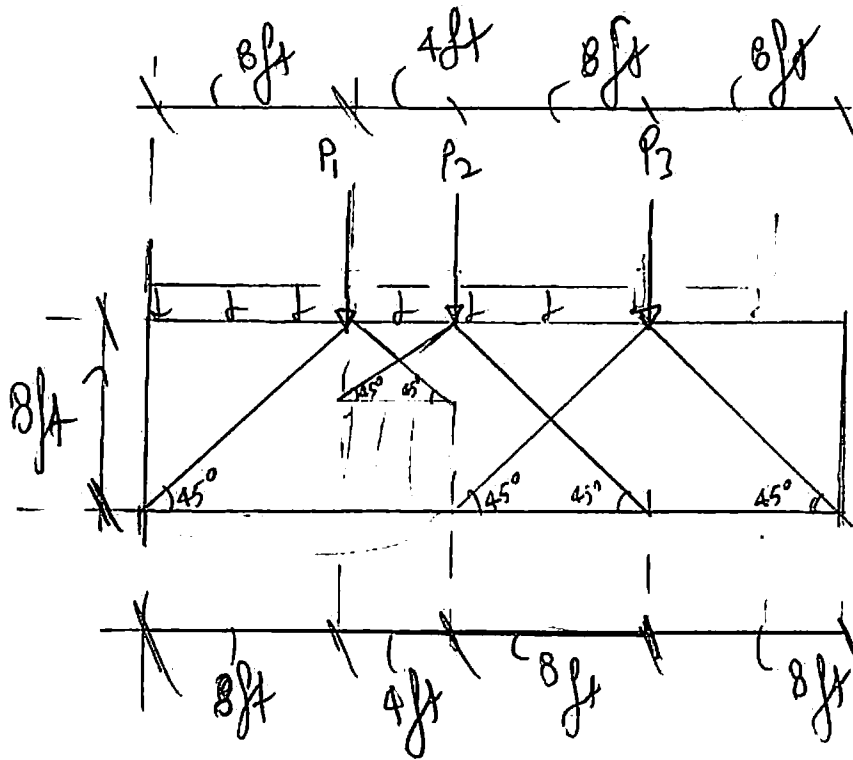


Footing Width = 1.5 ft
 Soil Bearing = 1500 psf



Allowable Bearing Capacity for P1

$$= (12 \text{ ft}) (1.5 \text{ ft}) (1500 \text{ psf}) = 27000 \text{ lbs}$$

Allowable Bearing Capacity for P2

$$= (12 \text{ ft}) (1.5 \text{ ft}) (1500 \text{ psf}) = 27000 \text{ lbs}$$

Allowable Bearing Capacity for P3

$$= (16 \text{ ft}) (1.5 \text{ ft}) (1500 \text{ psf}) = 36000 \text{ lbs}$$