

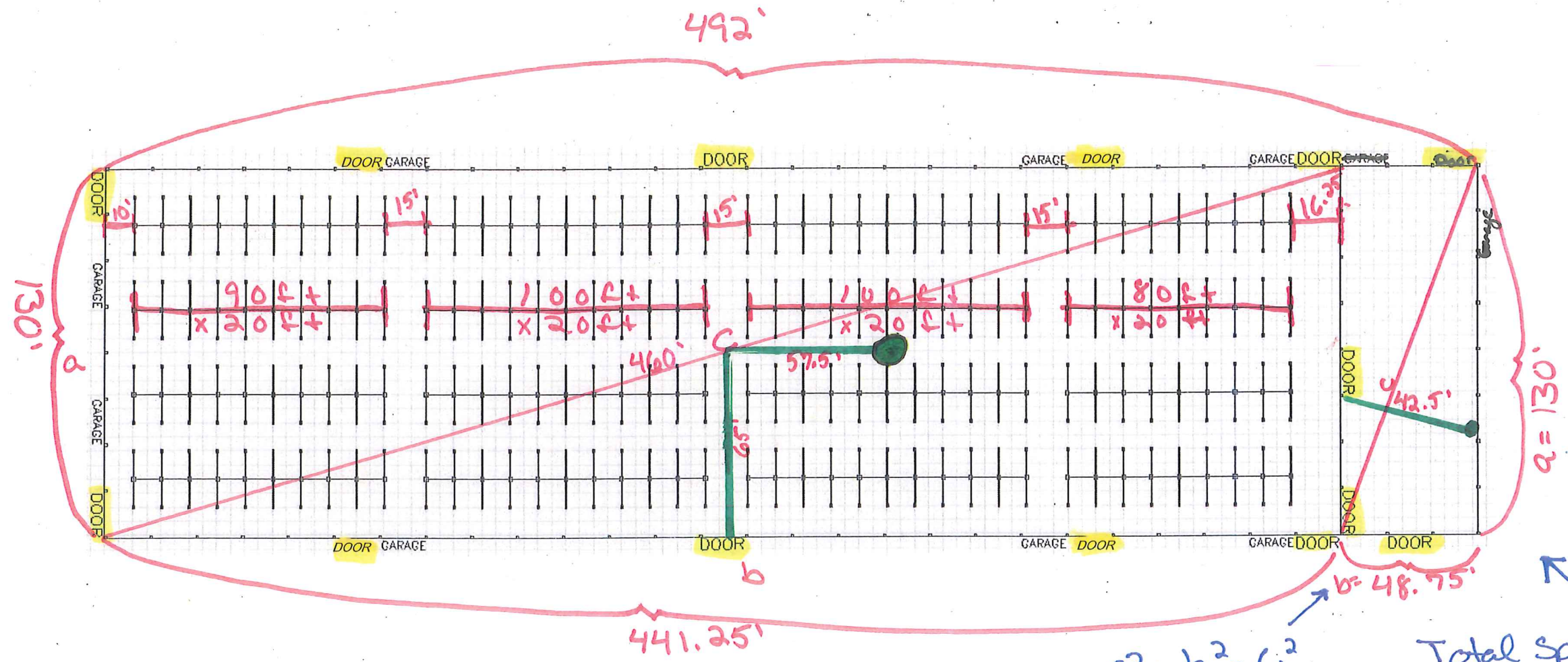
296 Booths (10x10)
 ↳ 29,600 sqft - Booths

Total Space = 57,362.5 sqft
 - 29,600

 27,762.5 open space
 5ft per person

 5,552.5 people

12 Doors x 76" = 912" (5 ppl per inch)
 912" x 12 = 10,944
 10,944 x 0.2" = 4560
4,560 ppl max occupancy



$a^2 + b^2 = c^2$
 $130^2 + 441.25^2 = c^2$
 $16900 + 194701.56 = c^2$
 $211601.56 = c^2$
 $c = 460' = \text{Diagonal length}$

460' / 3
153.33' = Max Allowable Length to Exits
 ● Furthest point from an exit
 $57.5' * 65' = 122.5'$

$a^2 + b^2 = c^2$
 $130^2 + 48.75^2 = c^2$
 $16900 + 2376.56 = c^2$
 $19276.56 = c^2$
 $138.84 = c$
 $138.84 / 3 = 46.28$
46.28 - Max allowable Distance to Exit
 ● Furthest point to exit
 47.5'

Total Space = 48.75×130
 6337.5 sqft
 4 Doors x 76" = 304"
 0.2" per person = 1520
1520 ppl max occupancy