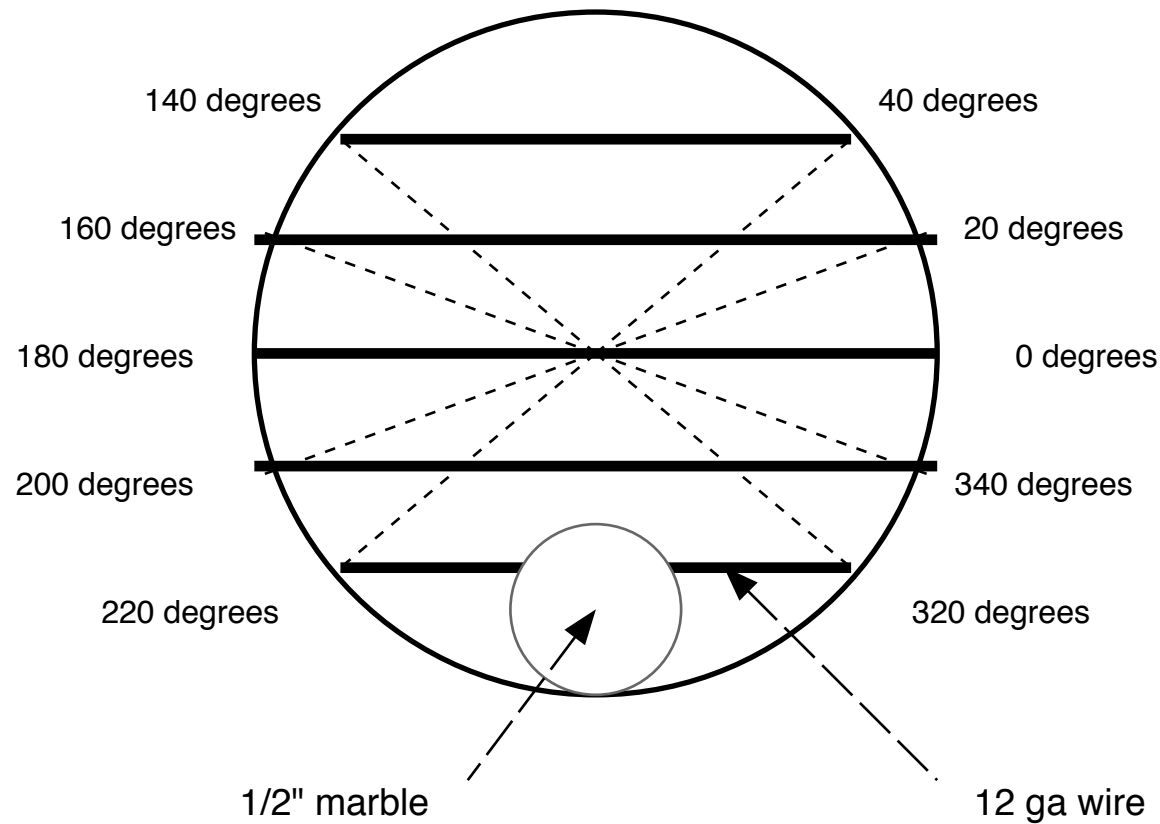


***Grill with 1/3" spacing  
for 2" column***

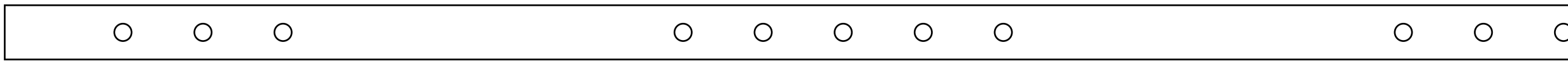
The outside diameter of a 2" copper pipe is 2-1/8"  
(circumference is then 6.676")



If column circumference = 6.676"

Degrees	Arc length
0	0.000"
20	0.371"
40	0.742"
140	2.596"
160	2.967"
180	3.338"
200	3.709"
220	4.080"
320	5.934"
340	6.305"
360	6.676"

***Pattern***



Beginning of pattern, at the 0  
degrees mark (tape this end  
down first on the column)

Hole at the 40  
degrees mark

Hole at the 140  
degrees mark

This last hole should lay  
squarely on top of the first hole  
of the pattern