

214 5.5 Believe the Numbers

Believe the Numbers

menti.com

Code

123456



Believe the Numbers

menti.com question

What are the Most Common
Reasons “The National Radon
Hotline” gets Called???

Believe the Numbers

What is the Most Common Cause of
Ineffective Radon Mitigation
Systems???

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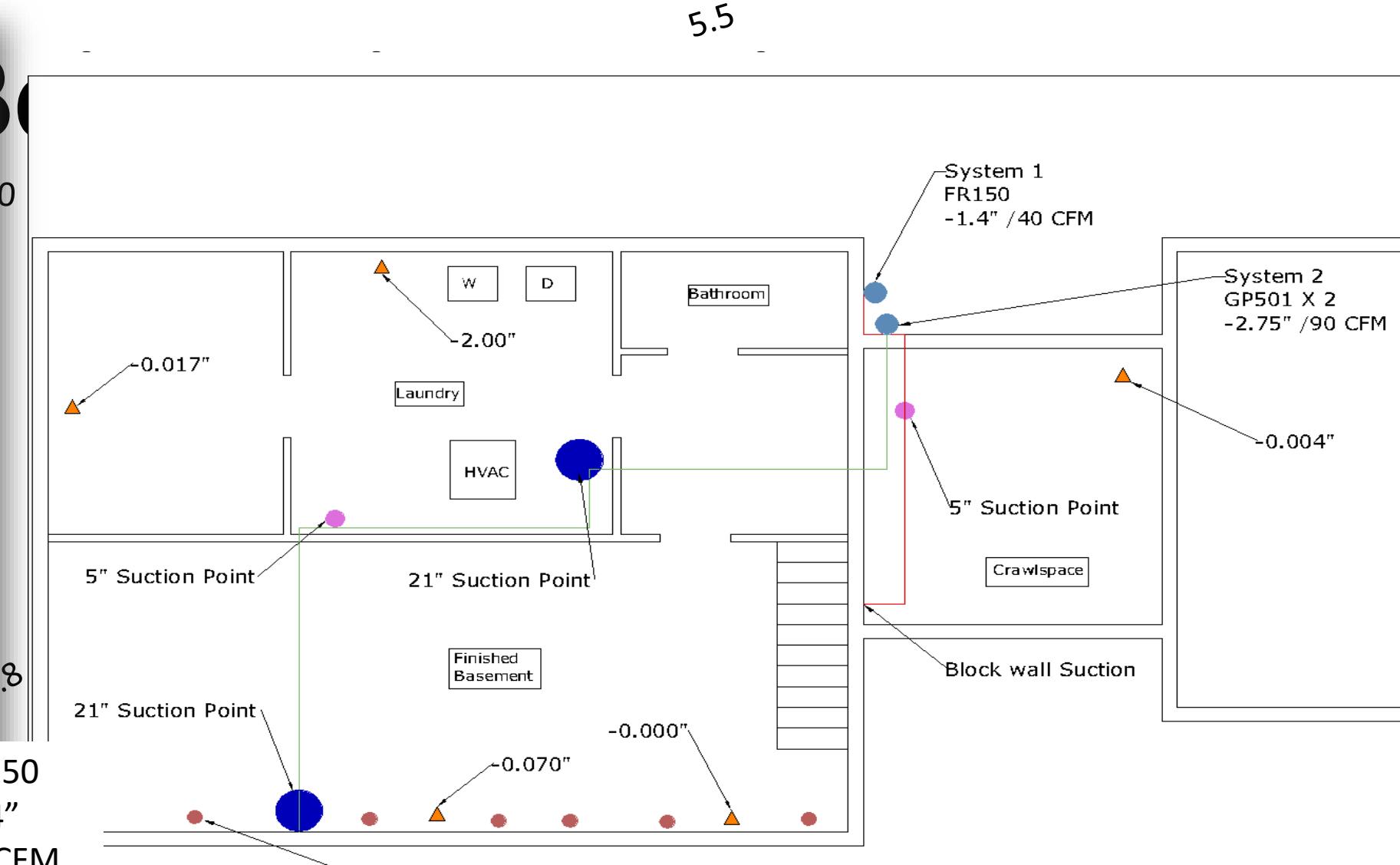
Believe the Numbers

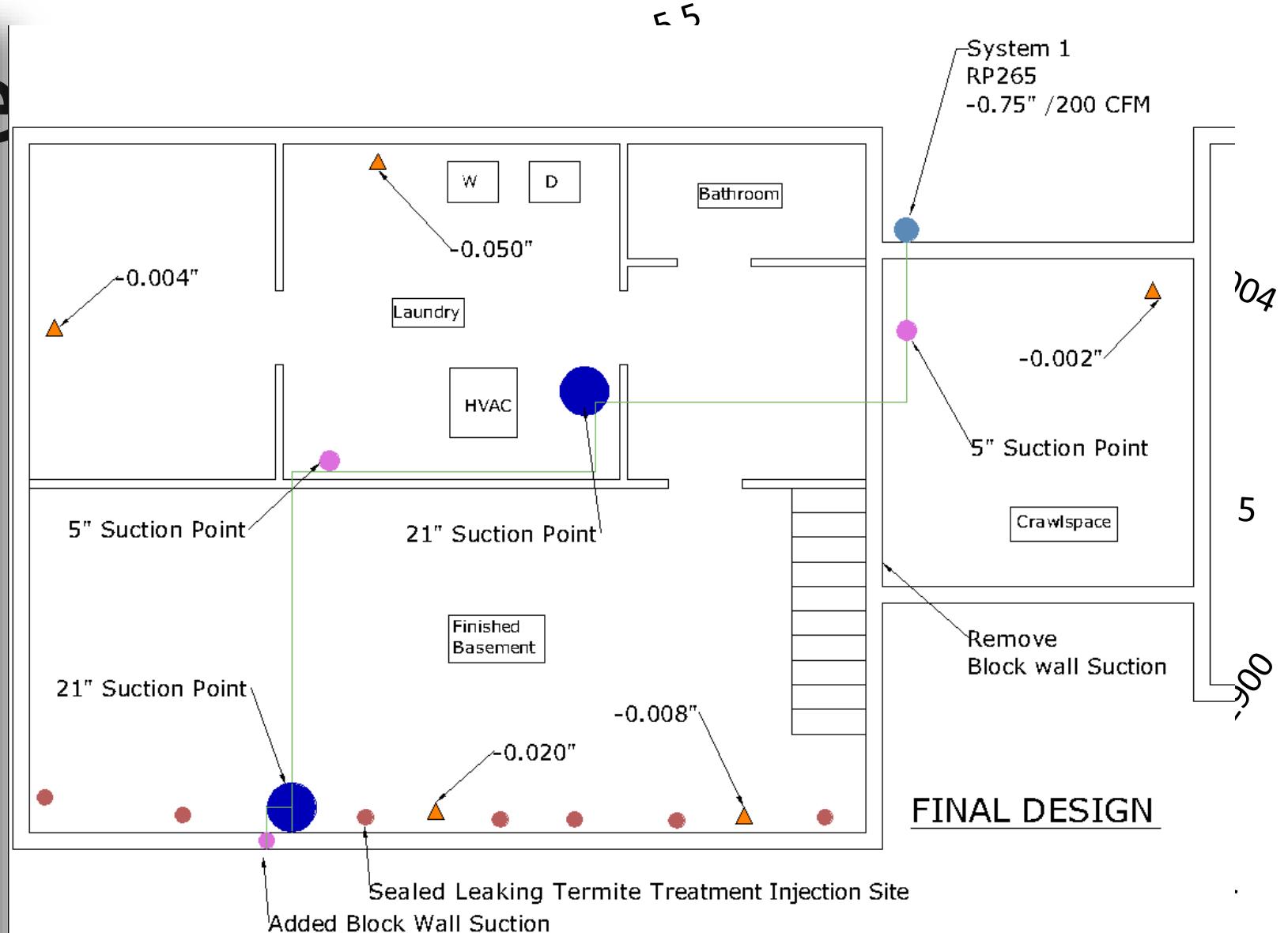
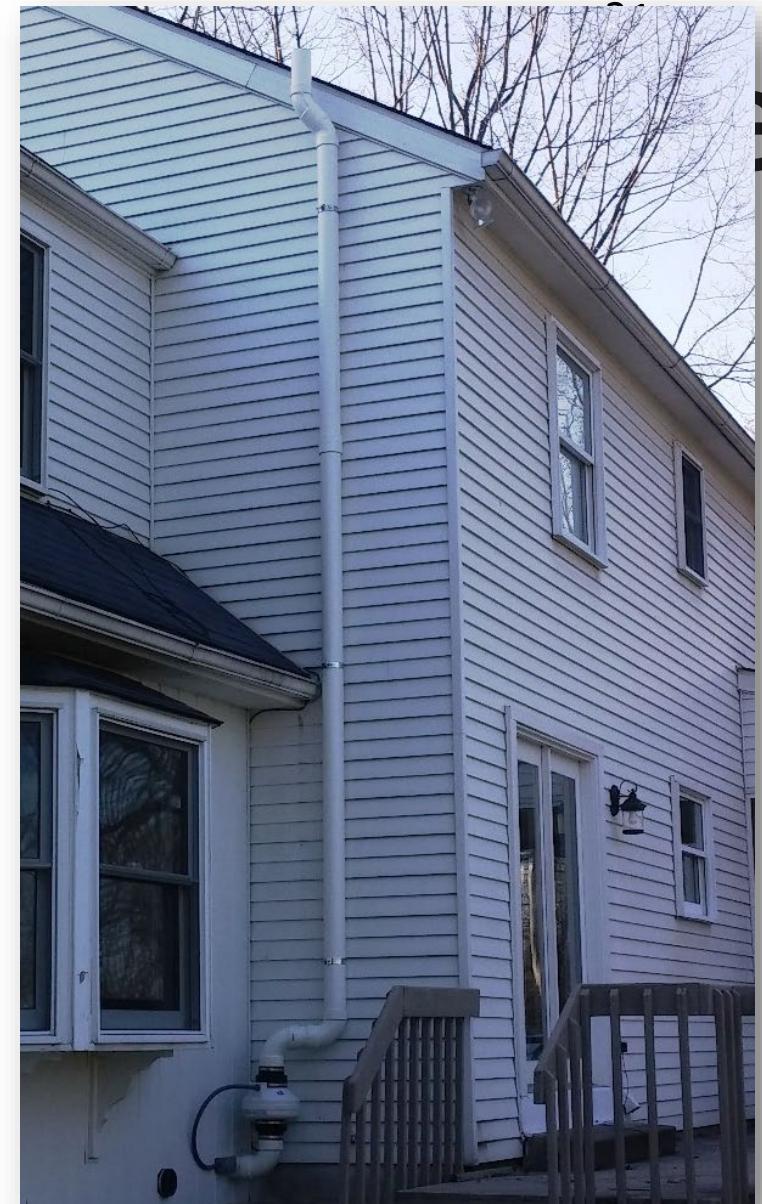
PFE Under Every Foundation Zone?

Believe the Numbers

If PFE is Significantly more than Target Pressure and Rn Concentrations are High???

Believe The Numbers and MOVE ON!





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What if PFE is close to your minimum Target Pressure and Rn is Elevated?

Believe the Numbers

Verify over time.

21000

3.8

2.22

250

8

5.4

7

62

06

1.3

220

22

2900

1

2.7

214

5.5

55.6

87

150

0.4

12700

86

0.004

4.0

3.5

5

218

100

1.7

-61.7

2.5

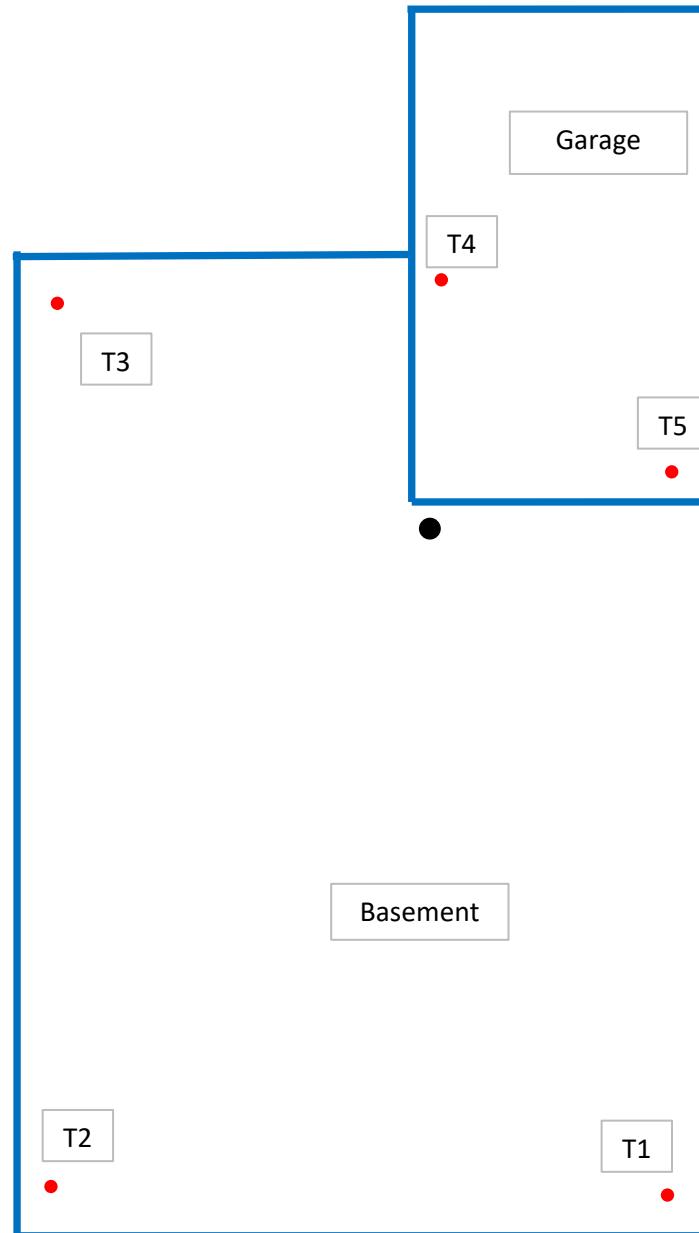
250

1.3

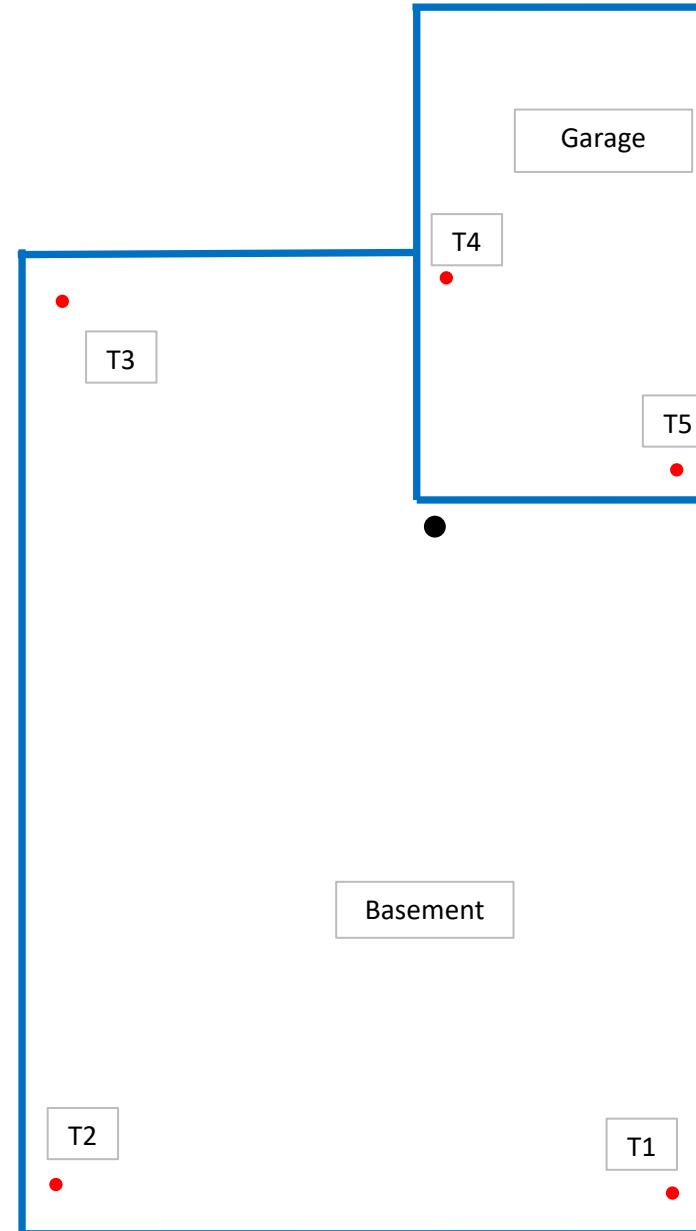
220

22

1.3

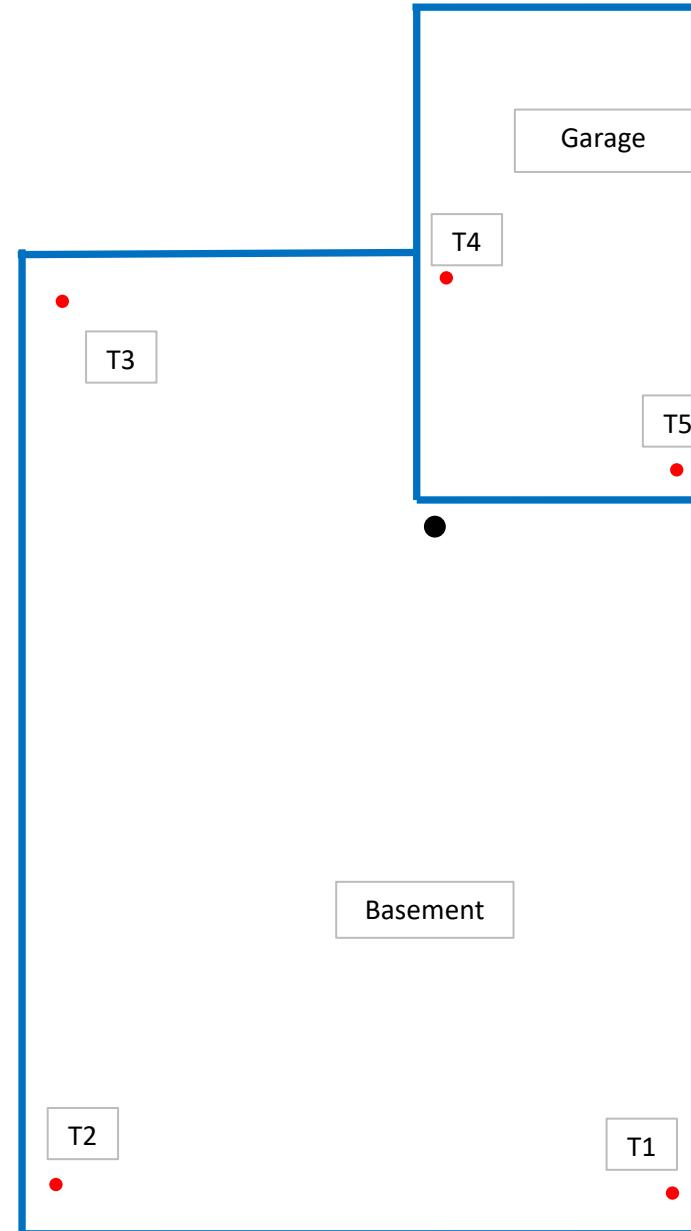


T₂ = -5Pa

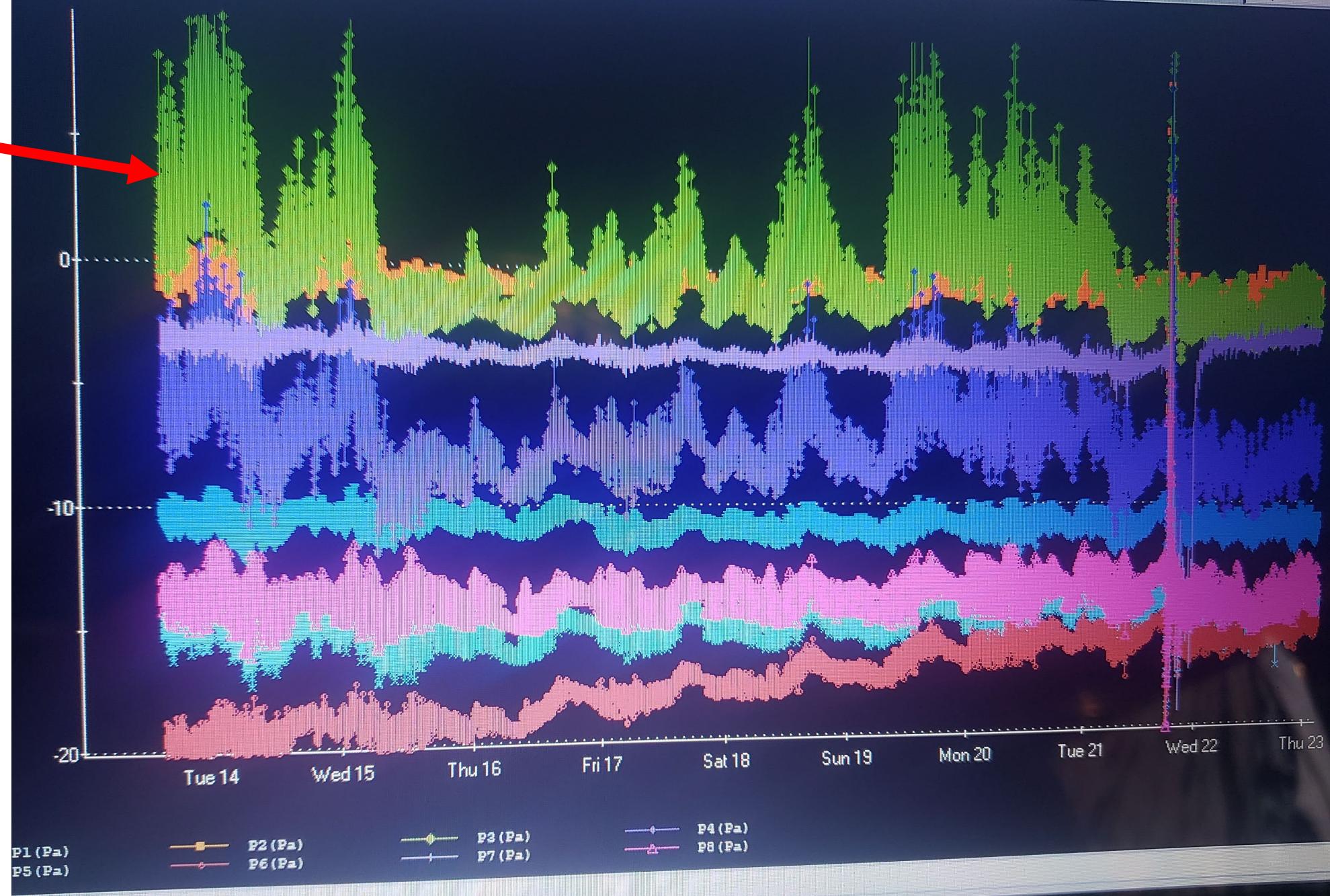


T₂ = -5Pa

**When I
Was There**



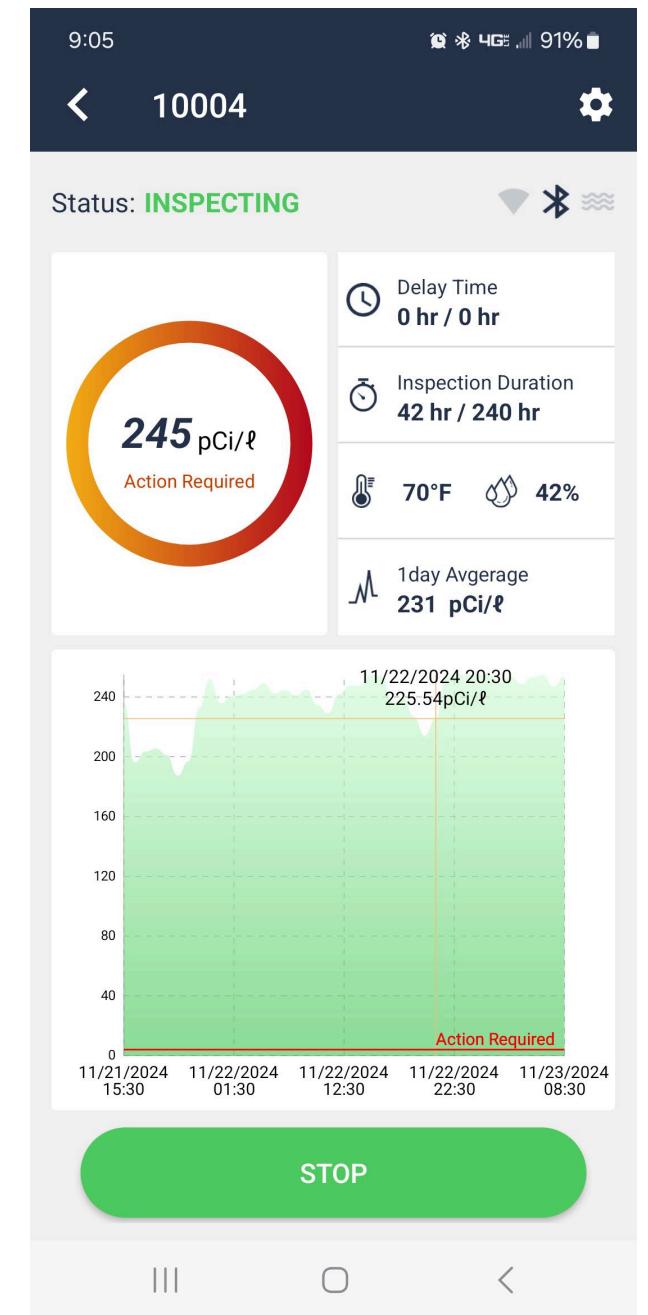
Green Line -
Pressure
Differential at
T2

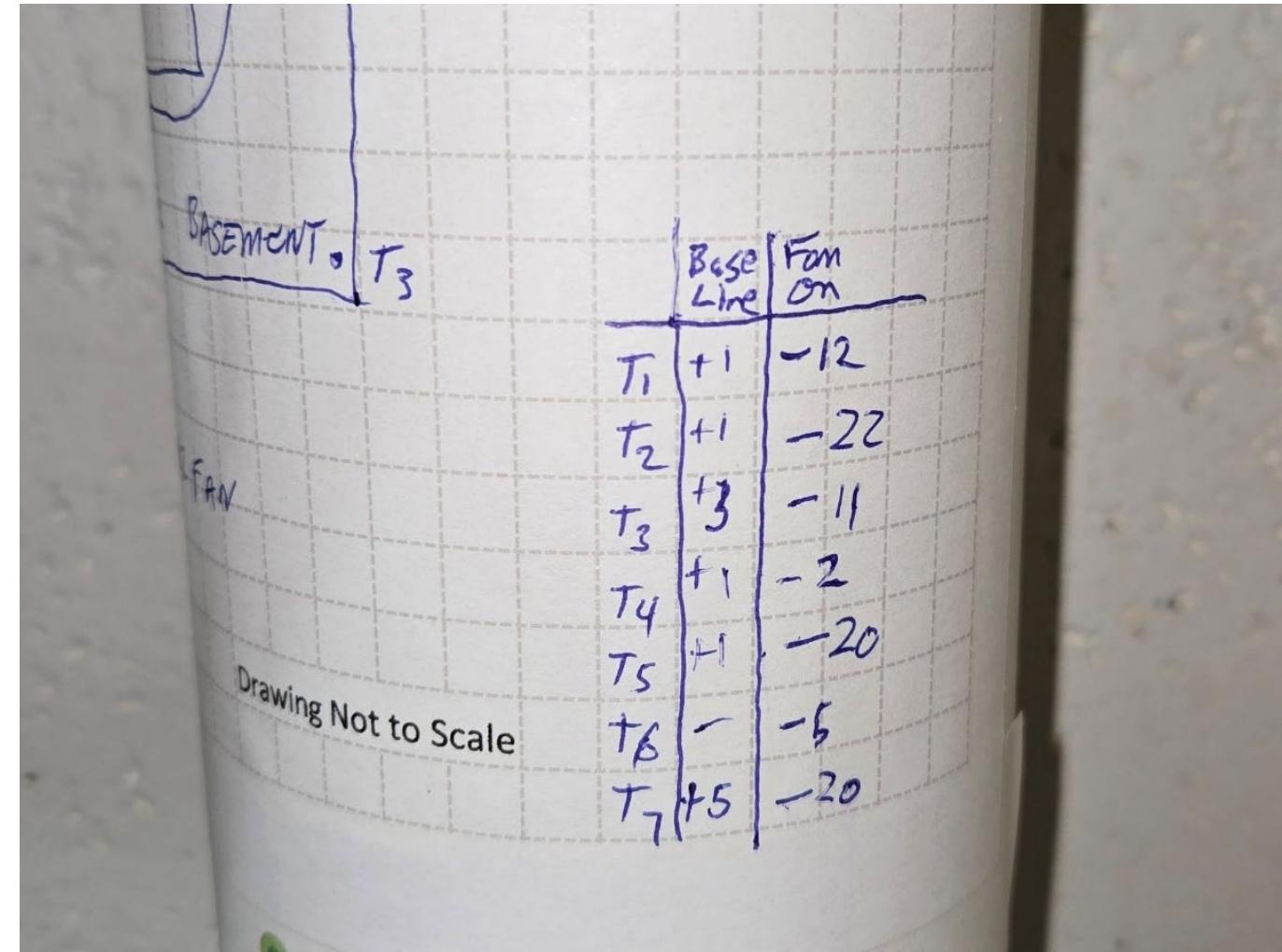
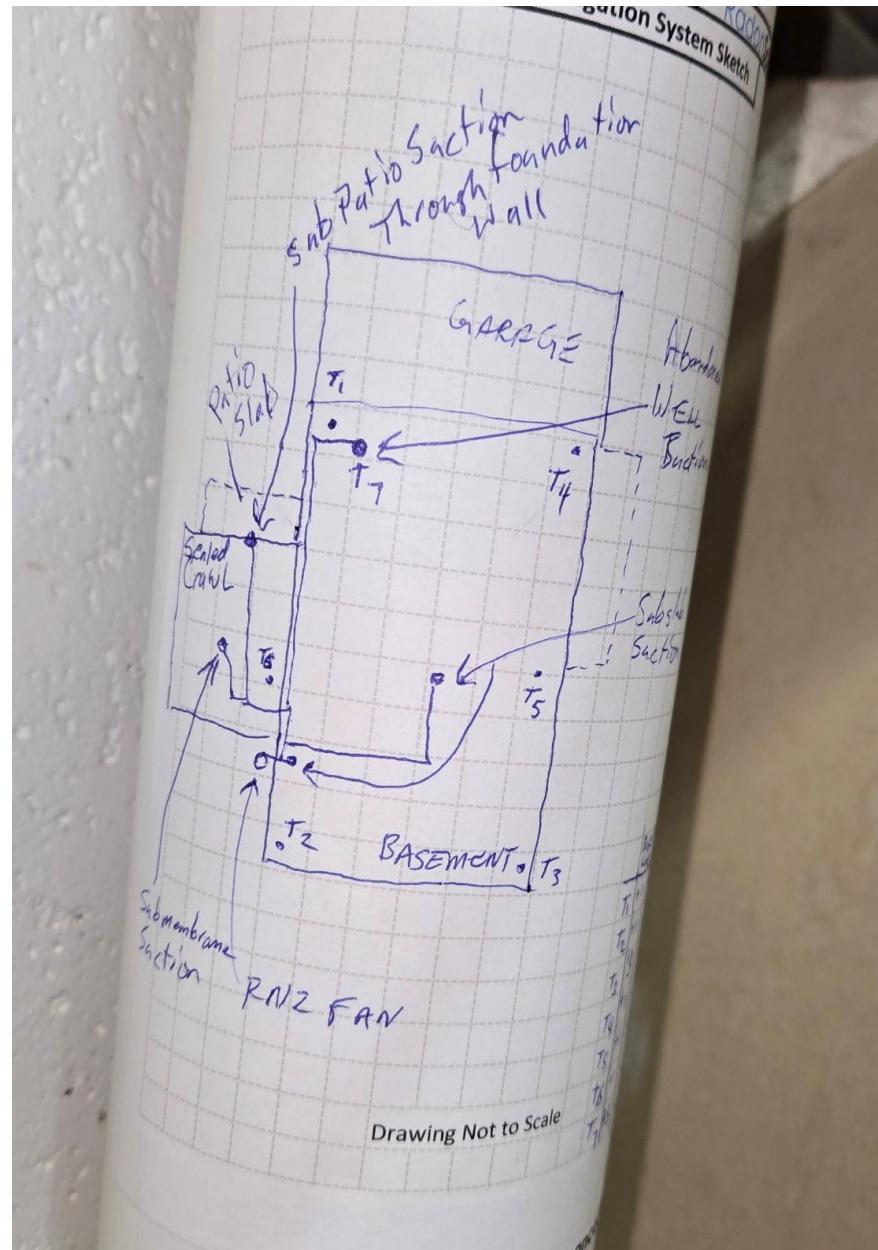


Believe the Numbers

Once Verified, BELIEVE IT and
MOVE ON!

Radon Entry is Coming From
Somewhere Else!





Believe the Numbers

Once Verified, BELIEVE IT and
MOVE ON!

Radon Entry is Coming From
Somewhere Else!

Believe the Numbers

Look for Radon Entry

Believe the Numbers

And Keep looking.....

21000

3.8

96

1.3

220

222

5.4

1

2.7

214

0

150

12700

5.5

86

55.6

0.004

3.5

5

1.8

150

0.4

0.01

-61.7

4.0

0.037

100

9.7

2900

7

62

2.22

250

8

1.3

9.7

Believe the Numbers

-73
And More looking.....
25

1

214

2.7

5.5

55.6

Believe the Numbers

- With the Sniffer
- 13 Radon Monitors at Once
- 4 Monitors Over time
- An Infrared Camera and Blower Door
- A Radiation Camera
- A Giger Counter
- With Merritt Gannett, Jesse Green, Justin Daniels, Wes Hodgden, Bruce Snead, Bill Brodhead, Bryan Coy, Kaber Robinson, and Josh Kerber by phone
- With Sam Nunemaker, Kaber Robinson, Josh Kerber, and the KDHE Radiation Department in person

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Believe the Numbers

Called Original Owners

- They built the house in 1963
- They are 90ish years old and Awesome!









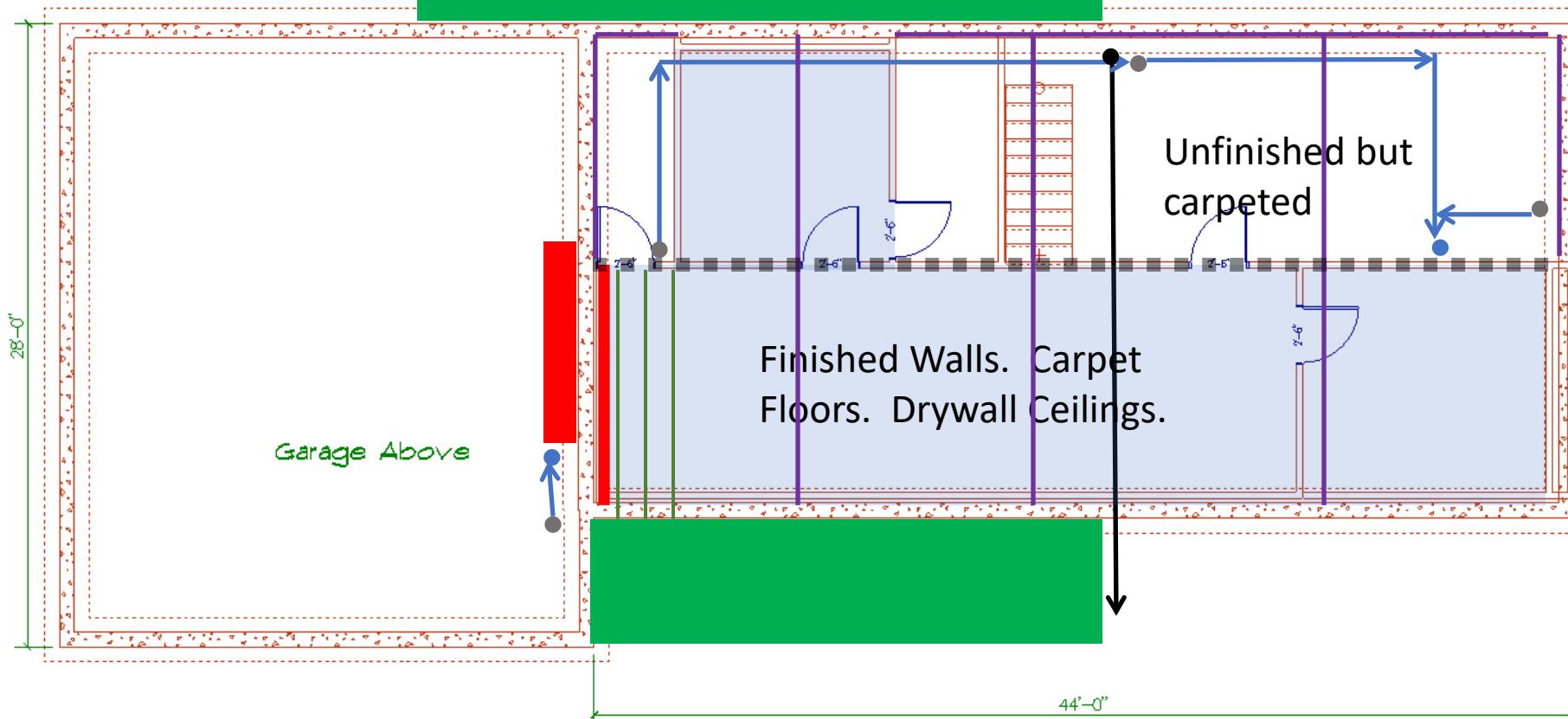
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Believe the Numbers

So...Do I need PFE Everywhere???

Start: 10 pCi/L

Retest with first
system off: 1.0pCi/L



- Subslab sewer line
- Major Cracks in Slab
- Suction Points
- Radon Exhaust pipes
- Chimney and Rock Wall in Basement
- Concrete Patios

Questions???

12700

Chad Robinson



Building Performance Co. Radon Solutions