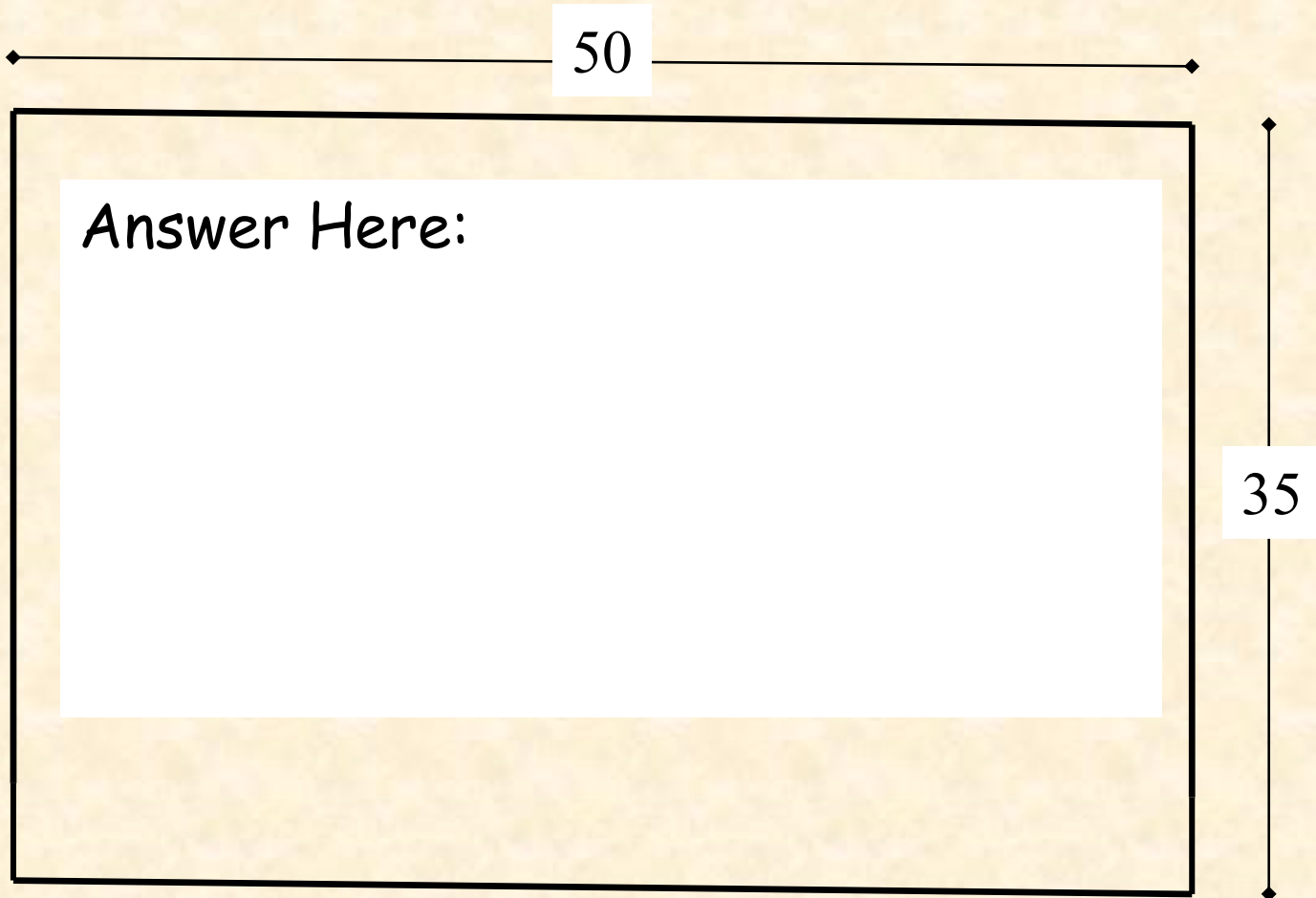


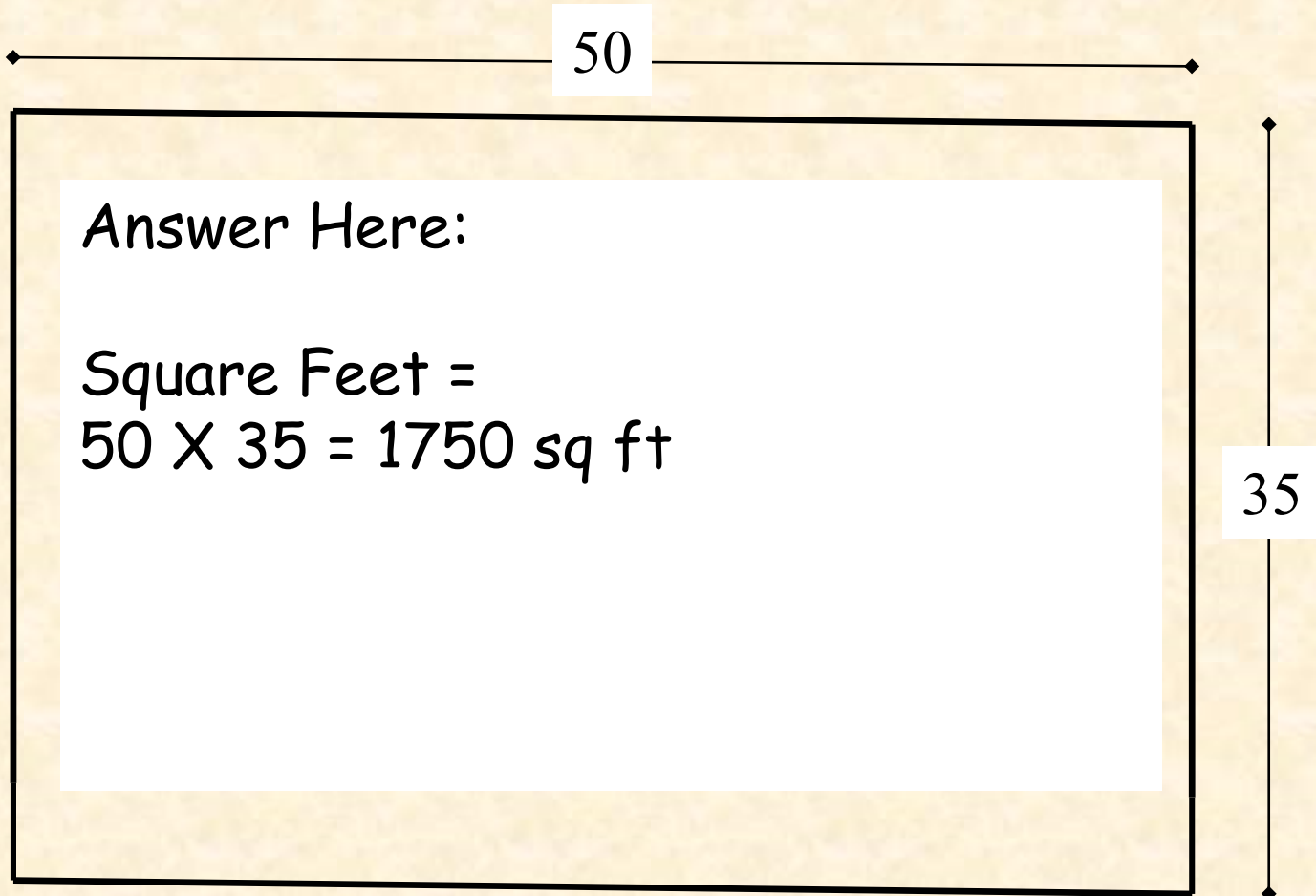
Monolithic Slab

(How many square feet?)



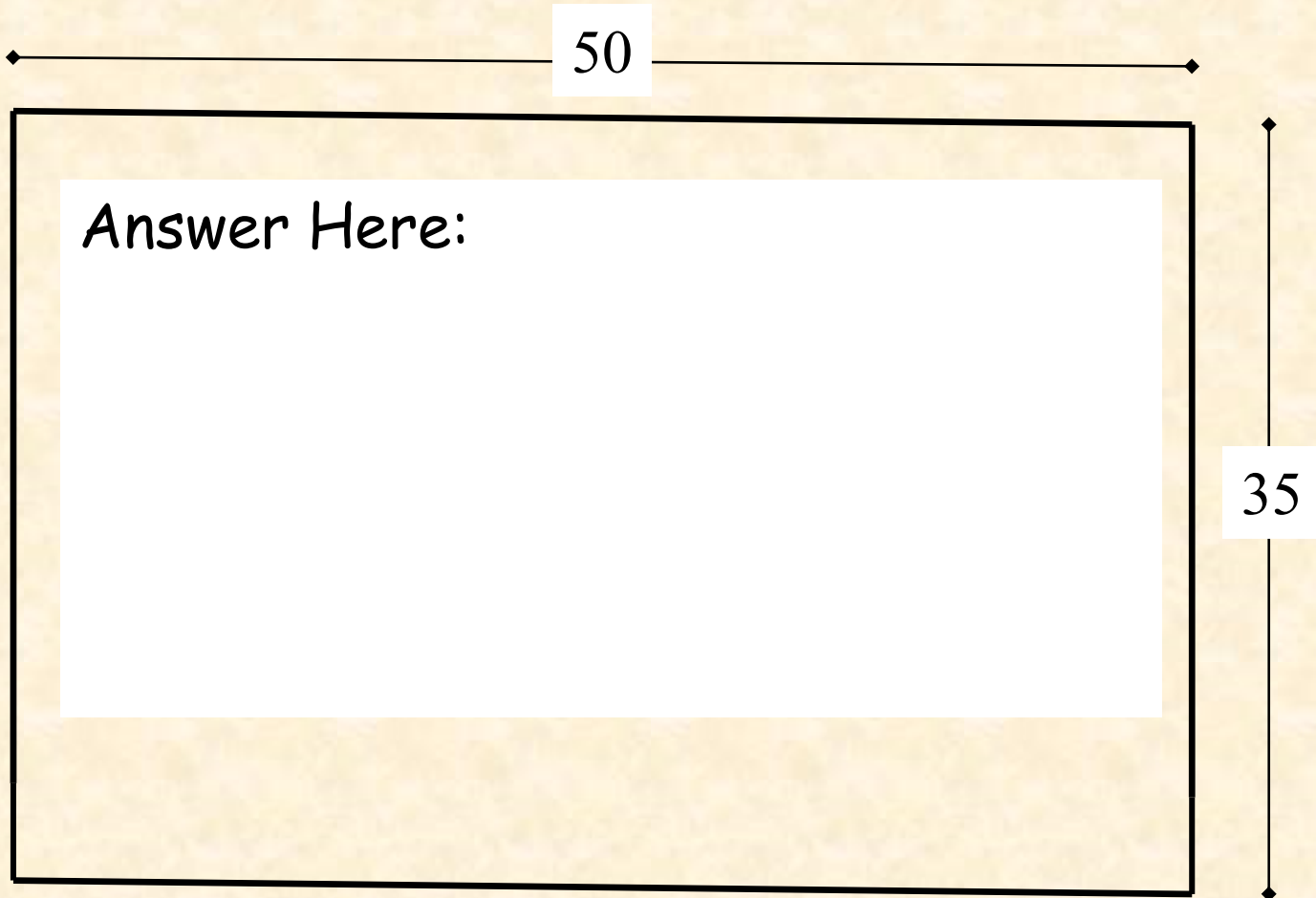
Monolithic Slab

(How many square feet?)



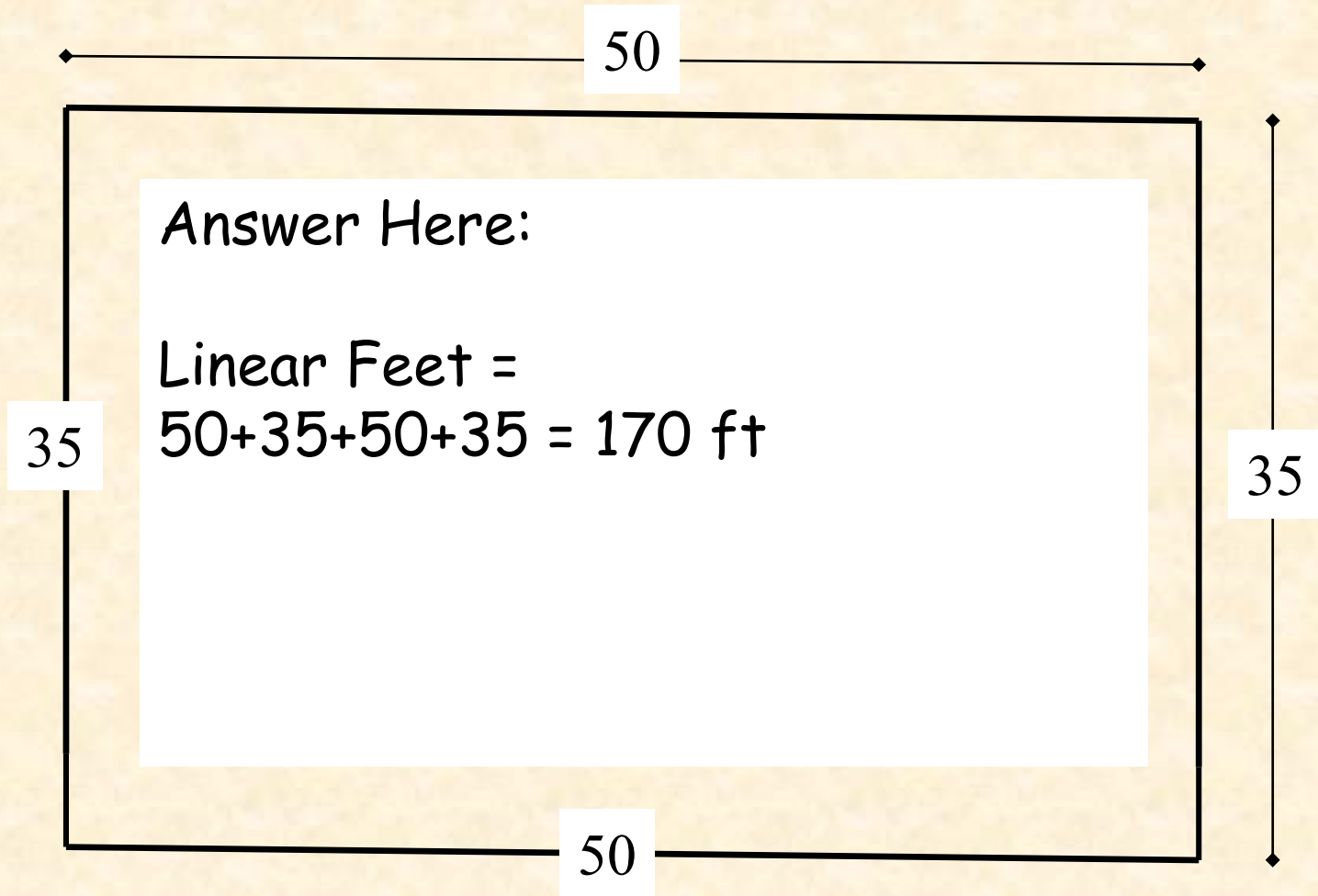
Monolithic Slab

(How many linear feet?)



Monolithic Slab

(How many linear feet?)



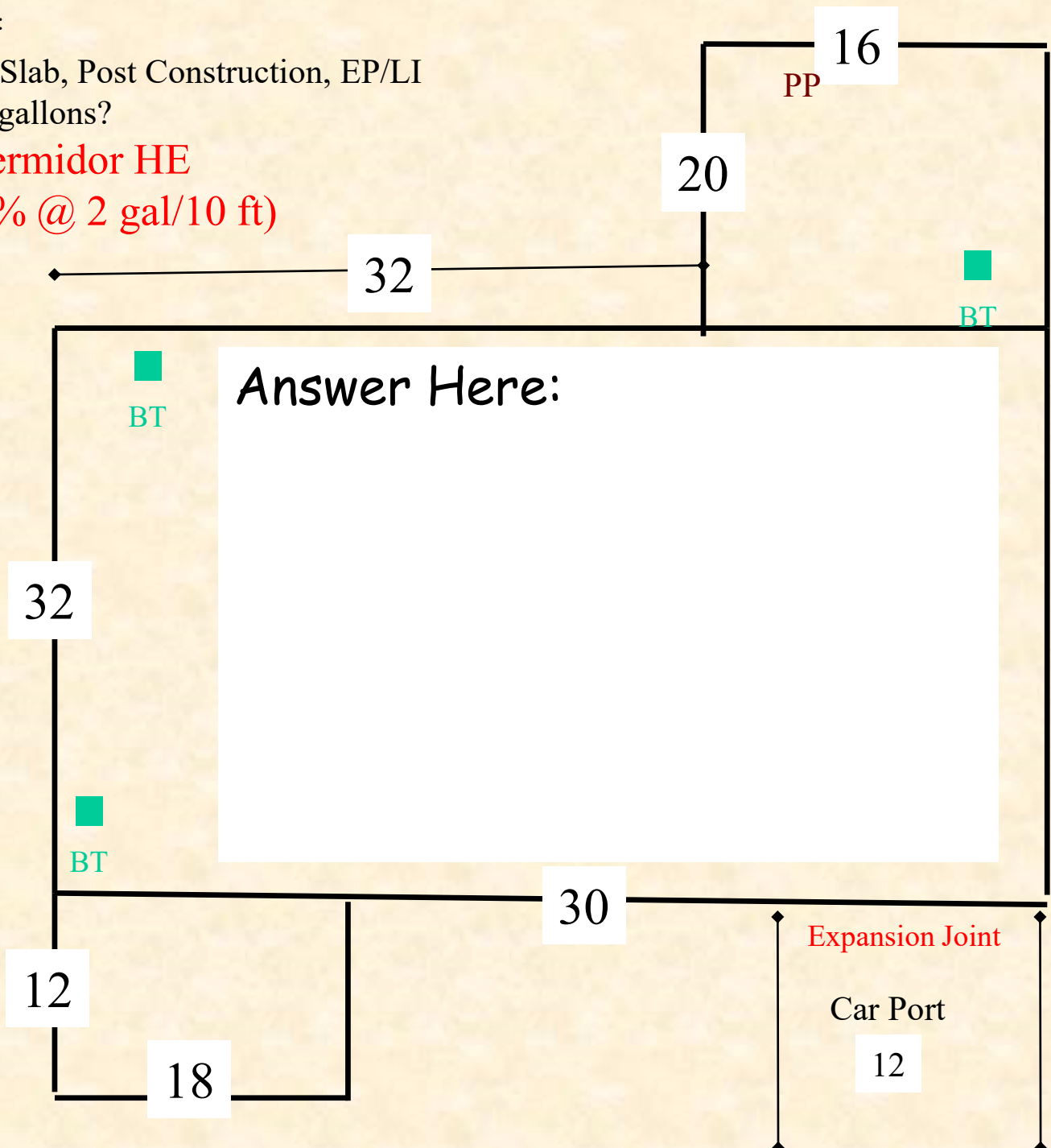
Practice Case 2:

Monolithic Slab, Post Construction, EP/LI

How many gallons?

(Using Termidor HE

So 0.125% @ 2 gal/10 ft)



Answer Here:

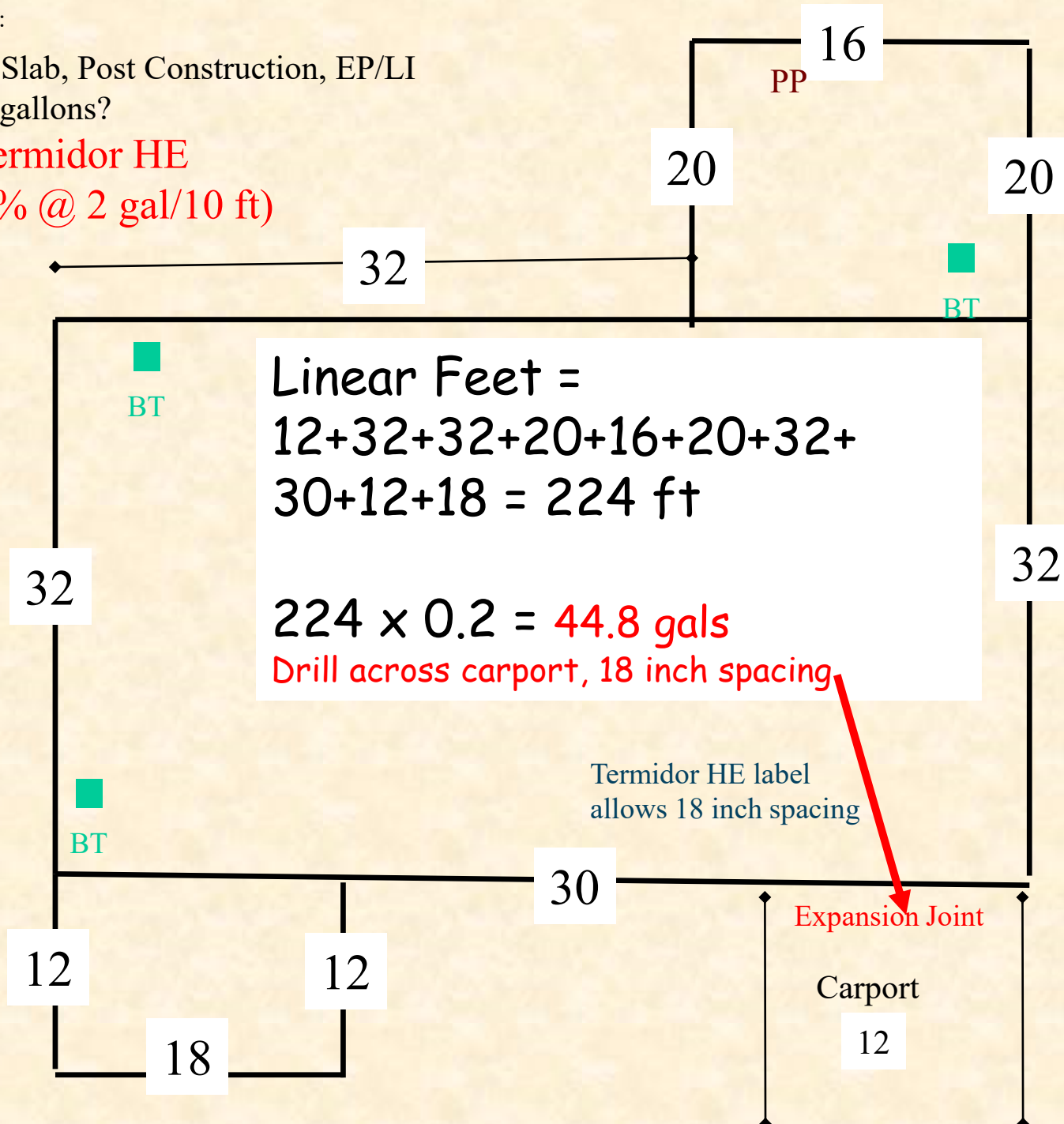
Practice Case 2:

Monolithic Slab, Post Construction, EP/LI

How many gallons?

(Using Termidor HE

So 0.125% @ 2 gal/10 ft)



Linear Feet =
 $12+32+32+20+16+20+32+$
 $30+12+18 = 224 \text{ ft}$

$224 \times 0.2 = 44.8 \text{ gals}$

Drill across carport, 18 inch spacing

Termidor HE label
allows 18 inch spacing

Expansion Joint

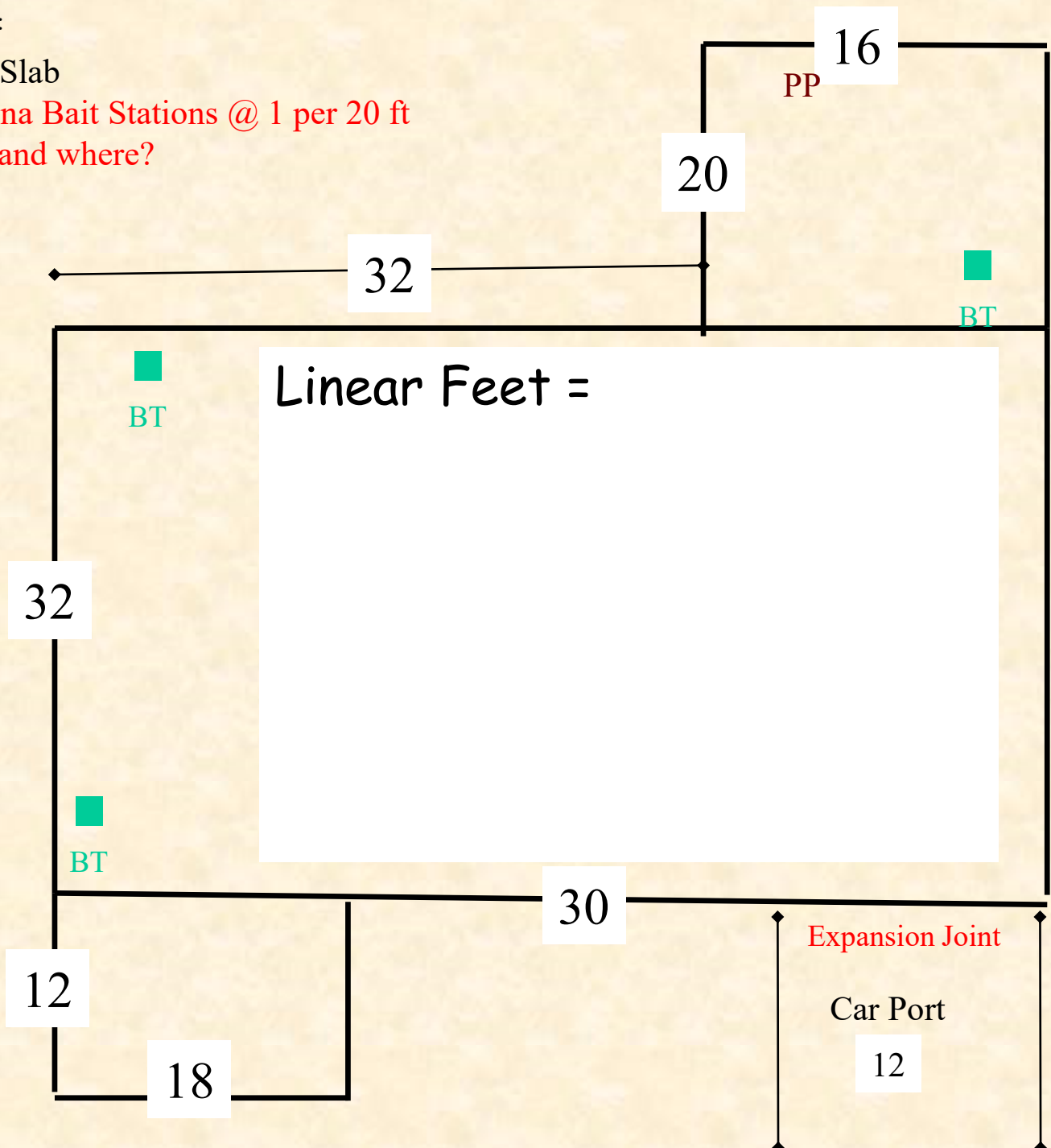
Carport

12

Practice Case 3:

Monolithic Slab

Using Trezona Bait Stations @ 1 per 20 ft
How many and where?

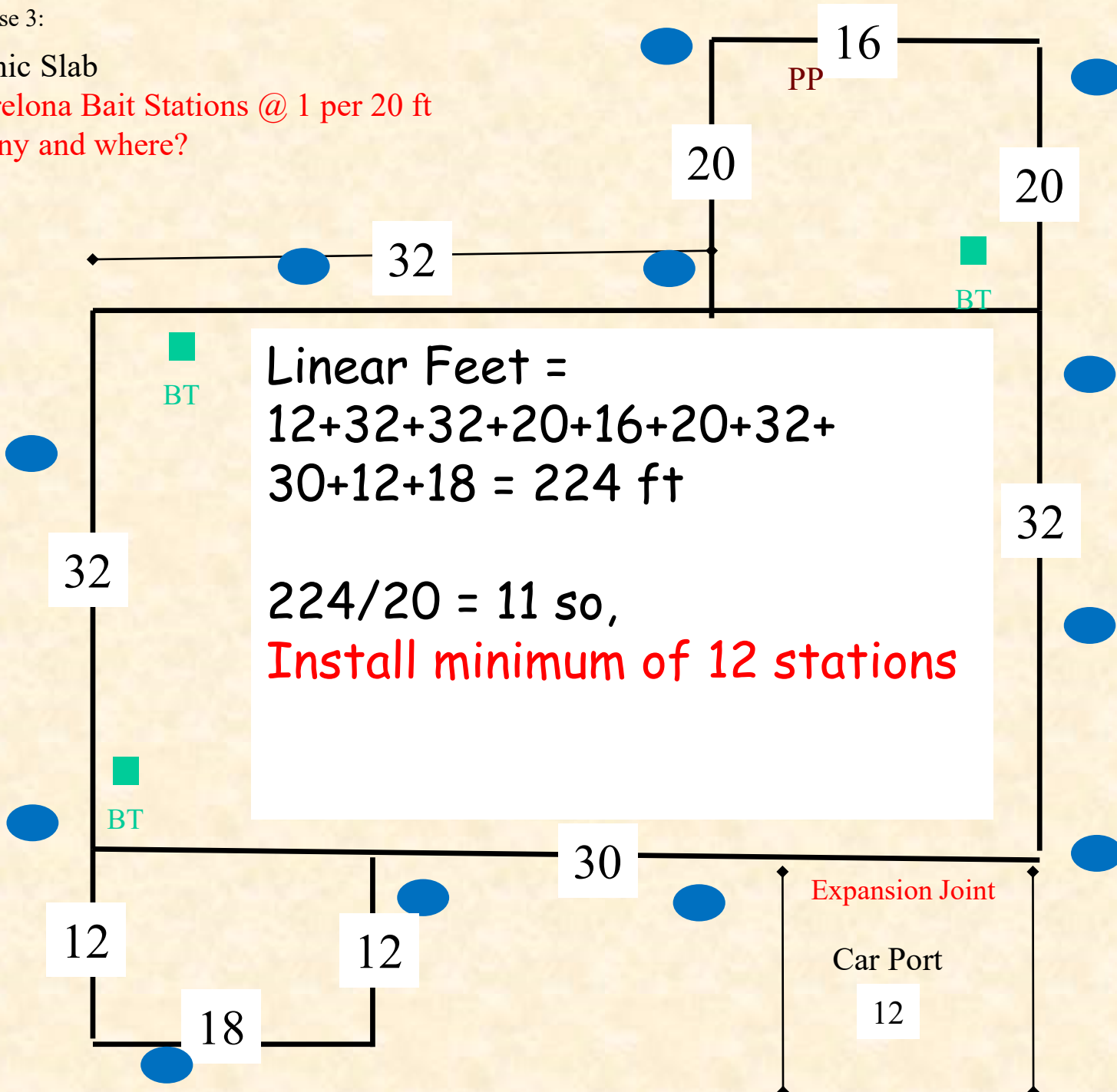


Practice Case 3:

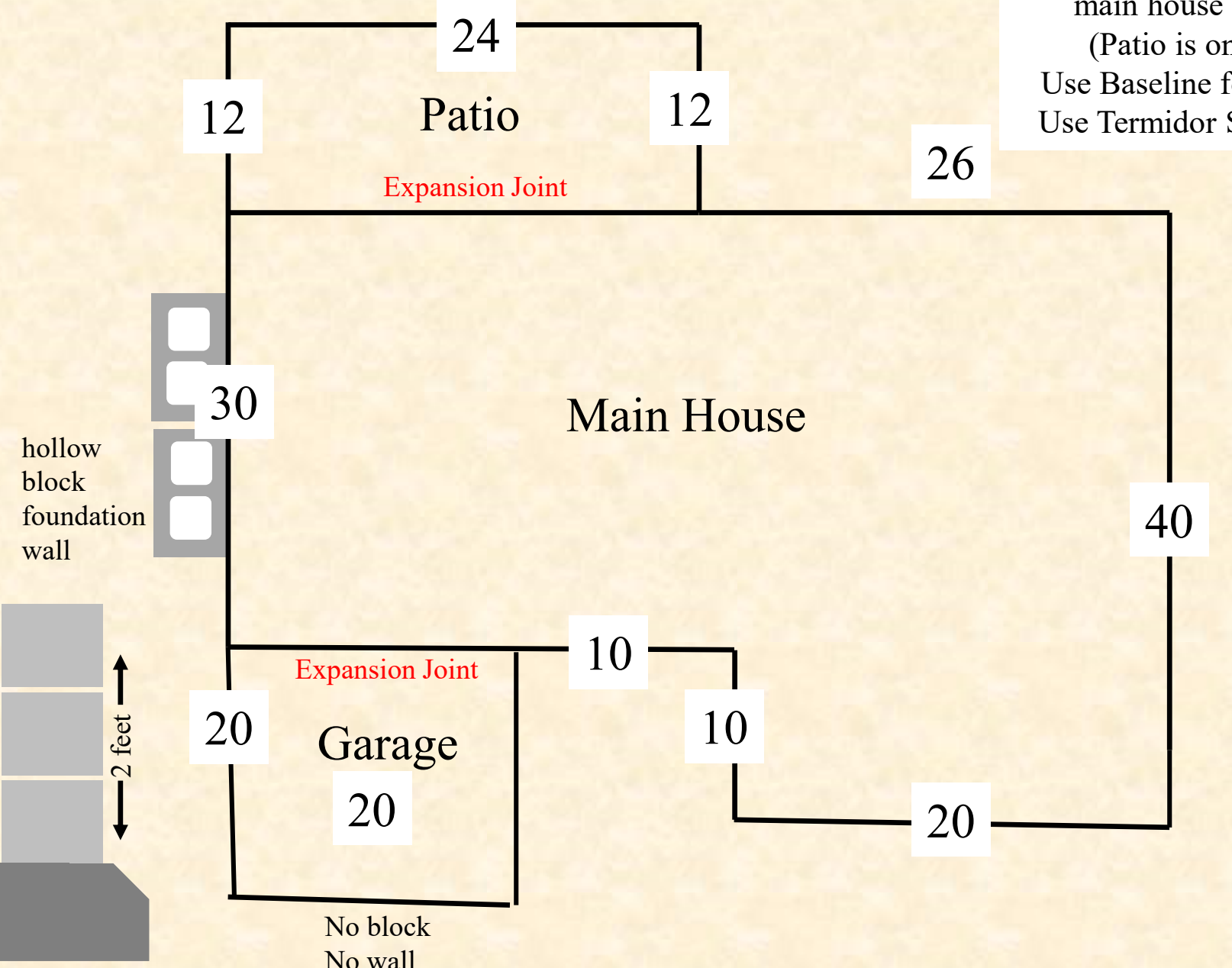
Monolithic Slab

Using Trelona Bait Stations @ 1 per 20 ft

How many and where?



Pre-treat: Floating Slab with
2 ft interior fill for
main house & garage
(Patio is on grade)
Use Baseline for all trip 1
Use Termidor SC for final



hollow
block
foundation
wall

2 feet

No block
No wall

Case 4: Pre-treat on a Floating Slab with 2 ft interior fill for main house and garage

Determine the gallons required for each step of this pre-treatment:

1} gallons for horizontal barrier under main house

2} gallons for horizontal barrier under garage

3} gallons for vertical barrier on interior walls of main house (note it is 2 ft deep)

4} gallons for vertical barrier on 3 interior garage walls (also 2 ft deep, no wall on front,)

5} gallons for final exterior perimeter (@ 4 gal/10 ft) (Mark areas that must be drilled)

6} total gallons required for pretreat

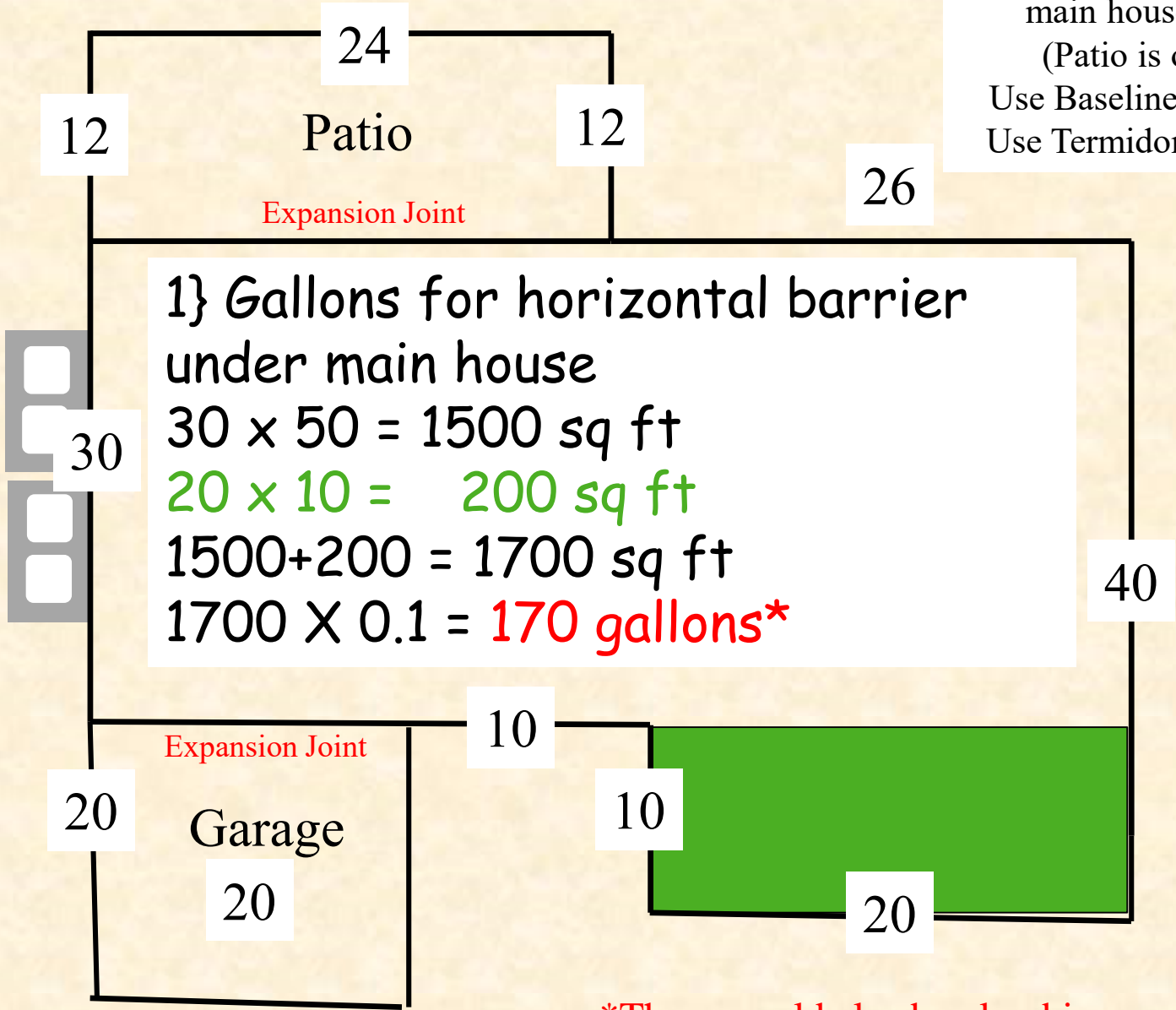
Pre-slab Trip =

Final Perimeter Trip: =

Total Gallons: =

Pre-treat: Floating Slab with
2 ft interior fill for
main house & garage
(Patio is on grade)
Use Baseline for all trip 1
Use Termidor SC for final

hollow
block
foundation
wall



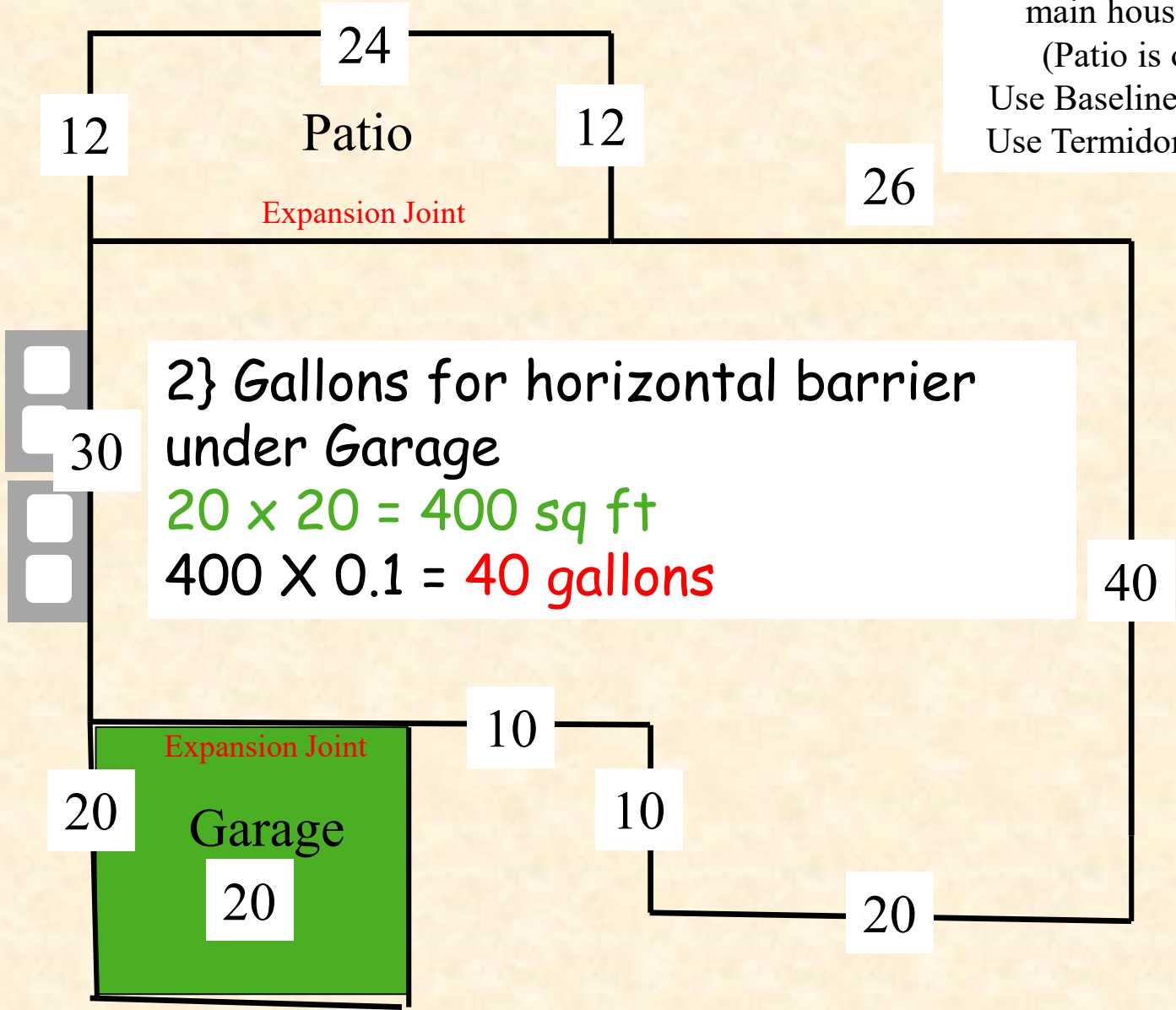
1} Gallons for horizontal barrier
under main house
 $30 \times 50 = 1500 \text{ sq ft}$
 $20 \times 10 = 200 \text{ sq ft}$
 $1500 + 200 = 1700 \text{ sq ft}$
 $1700 \times 0.1 = 170 \text{ gallons}^*$

No block
No wall

*There would also be plumbing penetrations
to treat @ 1 gal/sq ft.

Pre-treat: Floating Slab with
2 ft interior fill for
main house & garage
(Patio is on grade)
Use Baseline for all trip 1
Use Termidor SC for final

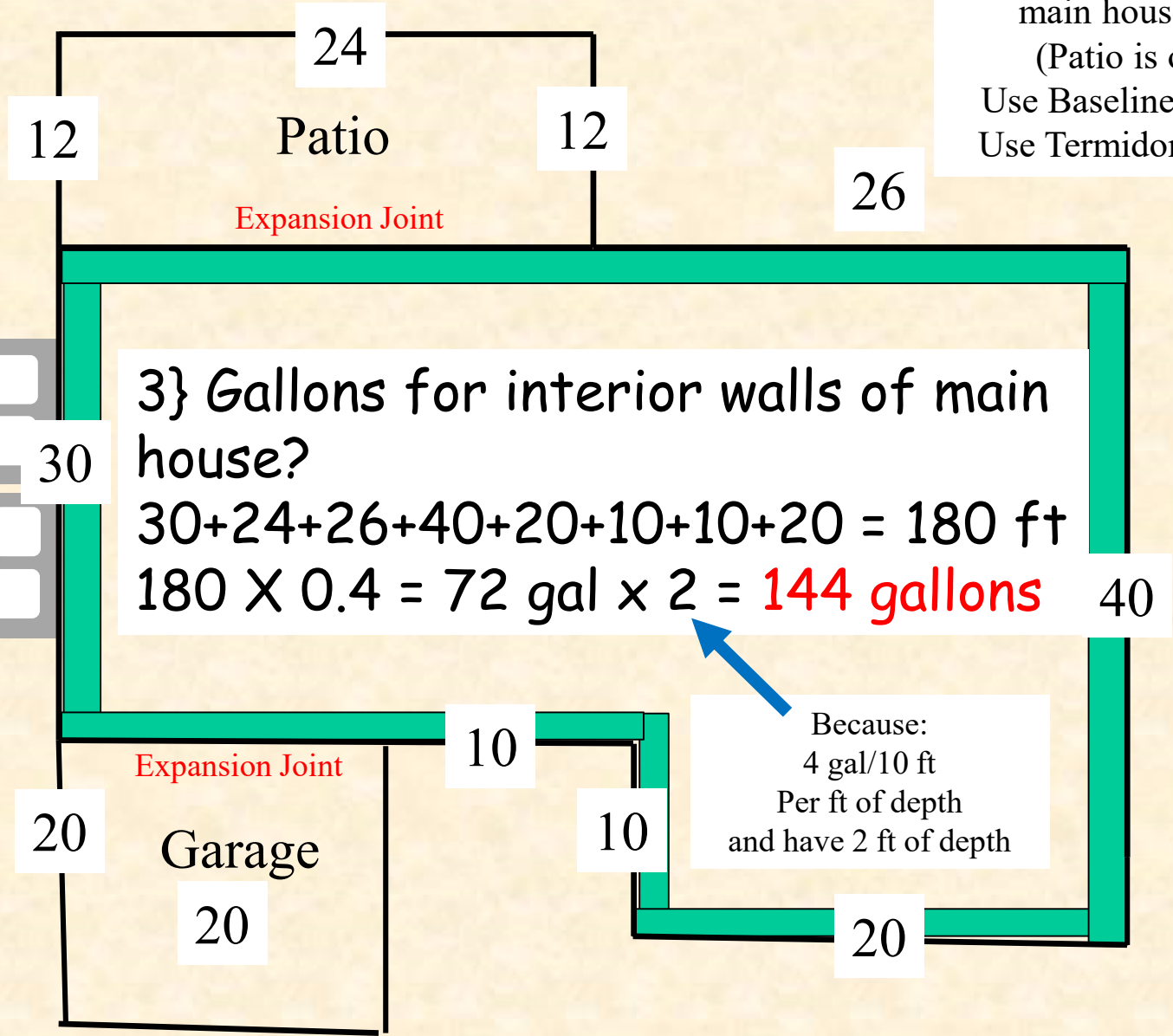
hollow
block
foundation
wall



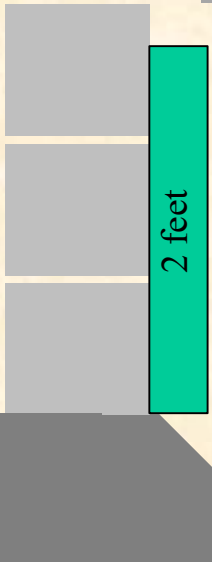
2} Gallons for horizontal barrier
under Garage
 $20 \times 20 = 400 \text{ sq ft}$
 $400 \times 0.1 = 40 \text{ gallons}$

No block
No wall

Pre-treat: Floating Slab with
2 ft interior fill for
main house & garage
(Patio is on grade)
Use Baseline for all trip 1
Use Termidor SC for final



hollow
block
foundation
wall

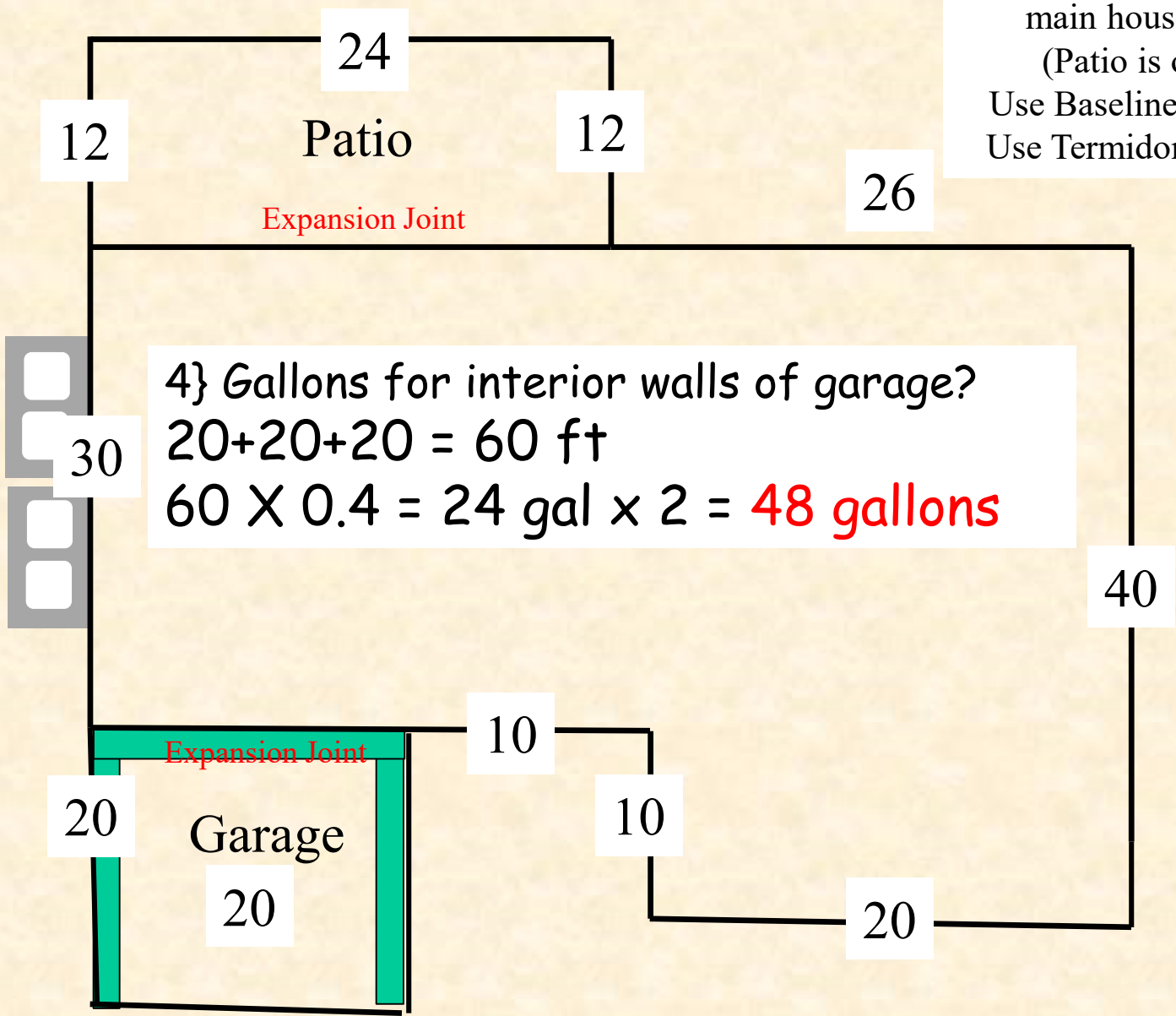


Because:
4 gal/10 ft
Per ft of depth
and have 2 ft of depth

No block
No wall

Pre-treat: Floating Slab with
2 ft interior fill for
main house & garage
(Patio is on grade)
Use Baseline for all trip 1
Use Termidor SC for final

hollow
block
foundation
wall

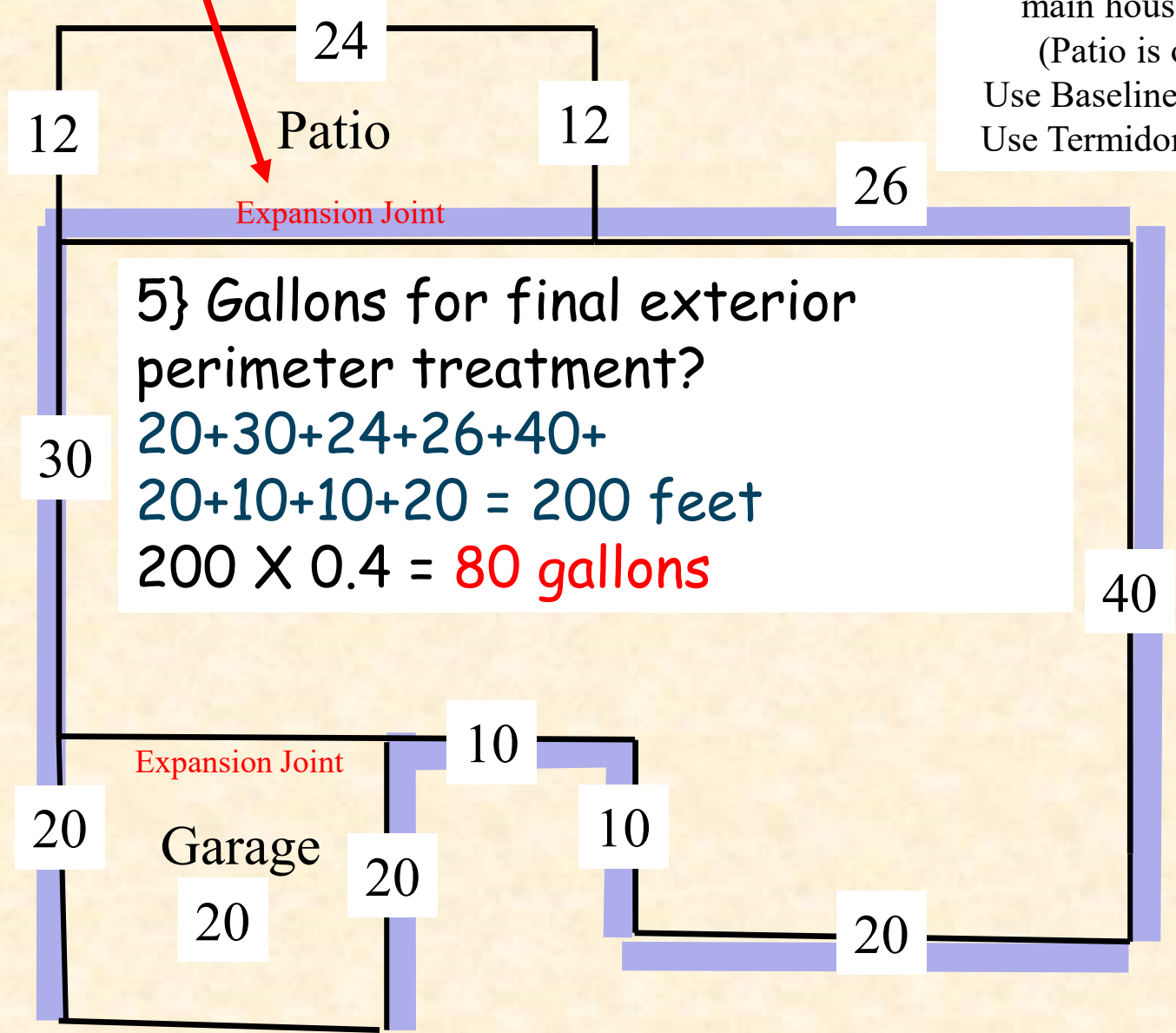


4} Gallons for interior walls of garage?
 $20+20+20 = 60$ ft
 $60 \times 0.4 = 24$ gal $\times 2 =$ **48 gallons**

No block
No wall

Drill 24 ft @ 12 inch spacing

Pre-treat: Floating Slab with
2 ft interior fill for
main house & garage
(Patio is on grade)
Use Baseline for all trip 1
Use Termidor SC for final



5} Gallons for final exterior
perimeter treatment?

$$20+30+24+26+40+$$

$$20+10+10+20 = 200 \text{ feet}$$

$$200 \times 0.4 = 80 \text{ gallons}$$

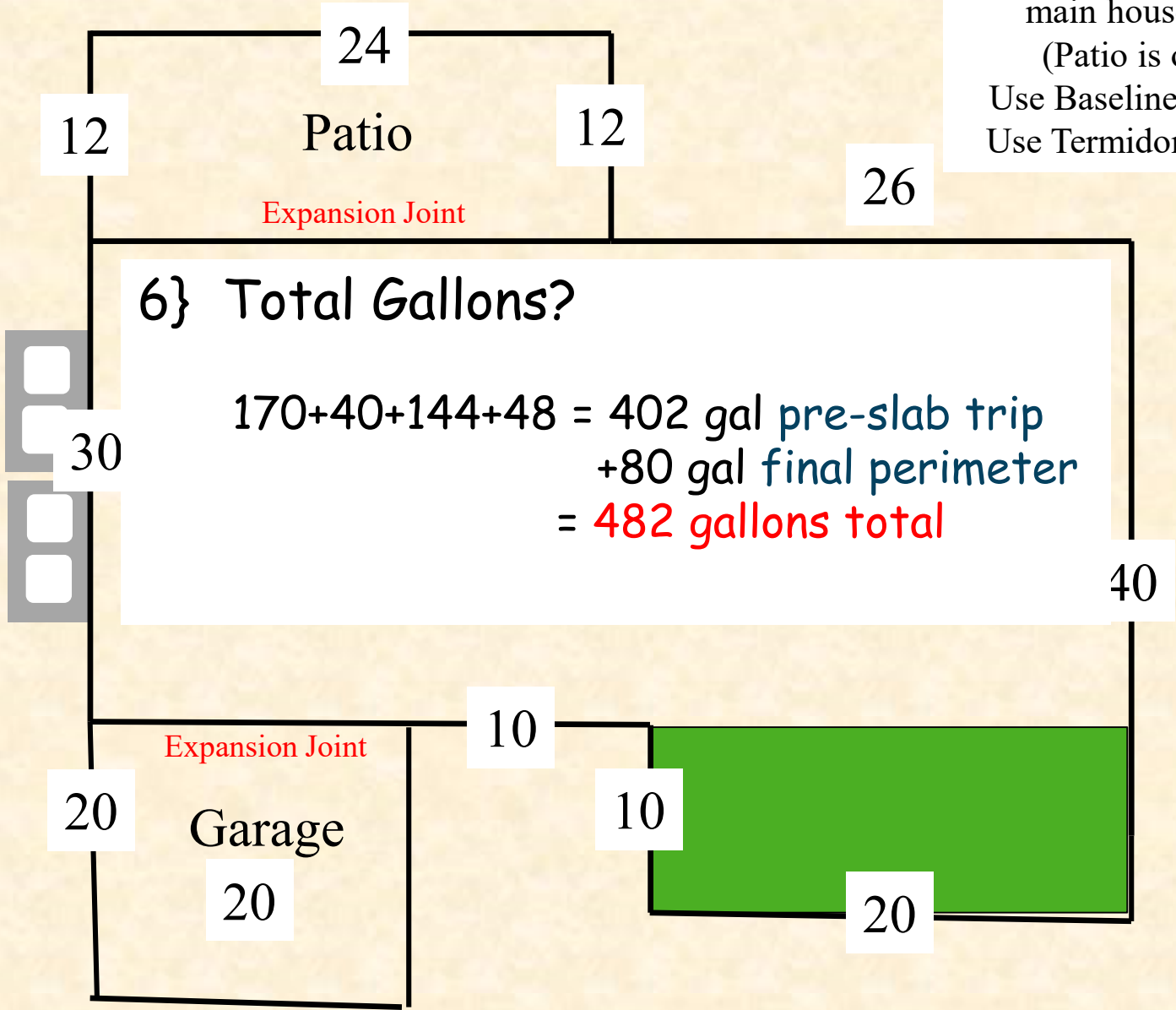
hollow
block
foundation
wall



No block
No wall

Pre-treat: Floating Slab with
2 ft interior fill for
main house & garage
(Patio is on grade)
Use Baseline for all trip 1
Use Termidor SC for final

hollow
block
foundation
wall



6} Total Gallons?

170+40+144+48 = 402 gal pre-slab trip
 +80 gal final perimeter
 = 482 gallons total

No block
No wall

Case 4: Pre-treat on a Floating Slab with 2 ft interior fill for main house and garage

Determine the gallons required for each step of this pre-treatment:

1) gallons for horizontal barrier under main house

$$30 \times 50 = 1500 \text{ sq ft} \quad \text{plus} \quad 20 \times 10 = 200 \text{ sq ft} \quad 1500 + 200 = 1700 \text{ sq ft}$$

$$1700 \text{ sq ft} \times 0.1 \text{ gal.} = 170 \text{ gals.}$$

(There would also be plumbing penetrations to treat @ 1 gal/sq ft.)

2) gallons for horizontal barrier under garage

$$20 \times 20 = 400 \text{ sq ft} \quad 400 \times 0.1 = 40 \text{ gal}$$

3) gallons for vertical barrier on interior walls of main house (note it is 2 ft deep)

$$30+50+40+20+10+10+20=180 \text{ linear ft} \times 0.4 \text{ gal} = 72 \text{ gal} \times 2 = 144 \text{ gal}$$

4) gallons for vertical barrier on 3 interior walls of garage (also 2 ft deep, but no wall on front,)

$$20+20+20 = 60 \text{ ft} \times 0.4 \text{ gal} = 24 \text{ gal} \times 2 = 48 \text{ gal}$$

5) gallons for final exterior perimeter (assume 4 gal/10 ft) (Mark areas that must be drilled)

$$20+30+24+26+40+20+10+10+20 = 200 \text{ linear ft} \times 0.4 \text{ gal/ft} = 80 \text{ gal.}$$

- Drill 24 ft on patio @ 12 inch spacing

6) total gallons required for this pretreat

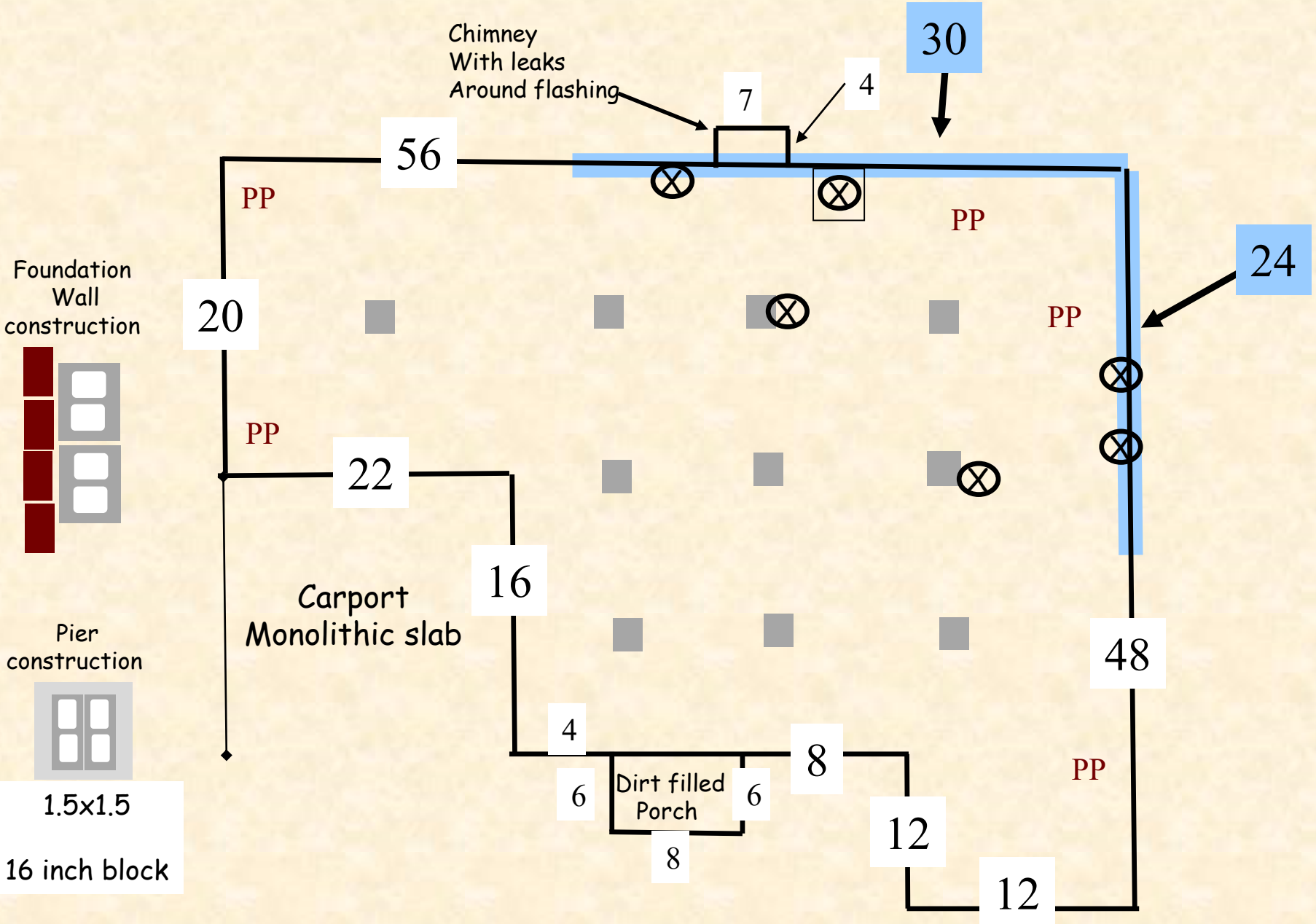
$$\text{Pre-slab Trip} : 170 + 40 + 144 + 48 + 44 = 402 \text{ gals}$$

$$\text{Final Perimeter Trip:} \quad = 80 \text{ gal}$$

$$\text{Total Gallons:} \quad = 482 \text{ gal}$$

Conventional Foundation

(EP/LI Treatment with Termidor SC, & active infestation, Formosans)



Practice Case 5: EP/LI with Termidor SC on conventional foundation, with active Formosan termites

1) How many gallons for the exterior perimeter treatment?

2) How many gallons for the piers (perimeter and voids)?

3) How many gallons for plumbing penetrations?

4) How many gallons for the inner foundation wall, in infested area?

5) How many gallons for masonry voids in foundation wall, in infested area?

2 voids, behind brick and inside hollow block @ 2 gal/10 ft

6) What is total gallons for job?

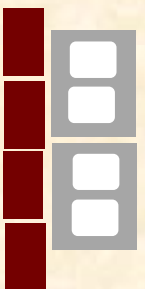
7) These are Formosan termites. Are there any areas you might consider foaming?
If so, where?

Conventional Foundation

(EP/LI Treatment with Termidor SC, & active infestation, Formosans)

1: Treat exterior perimeter @ 4 gal/10 ft

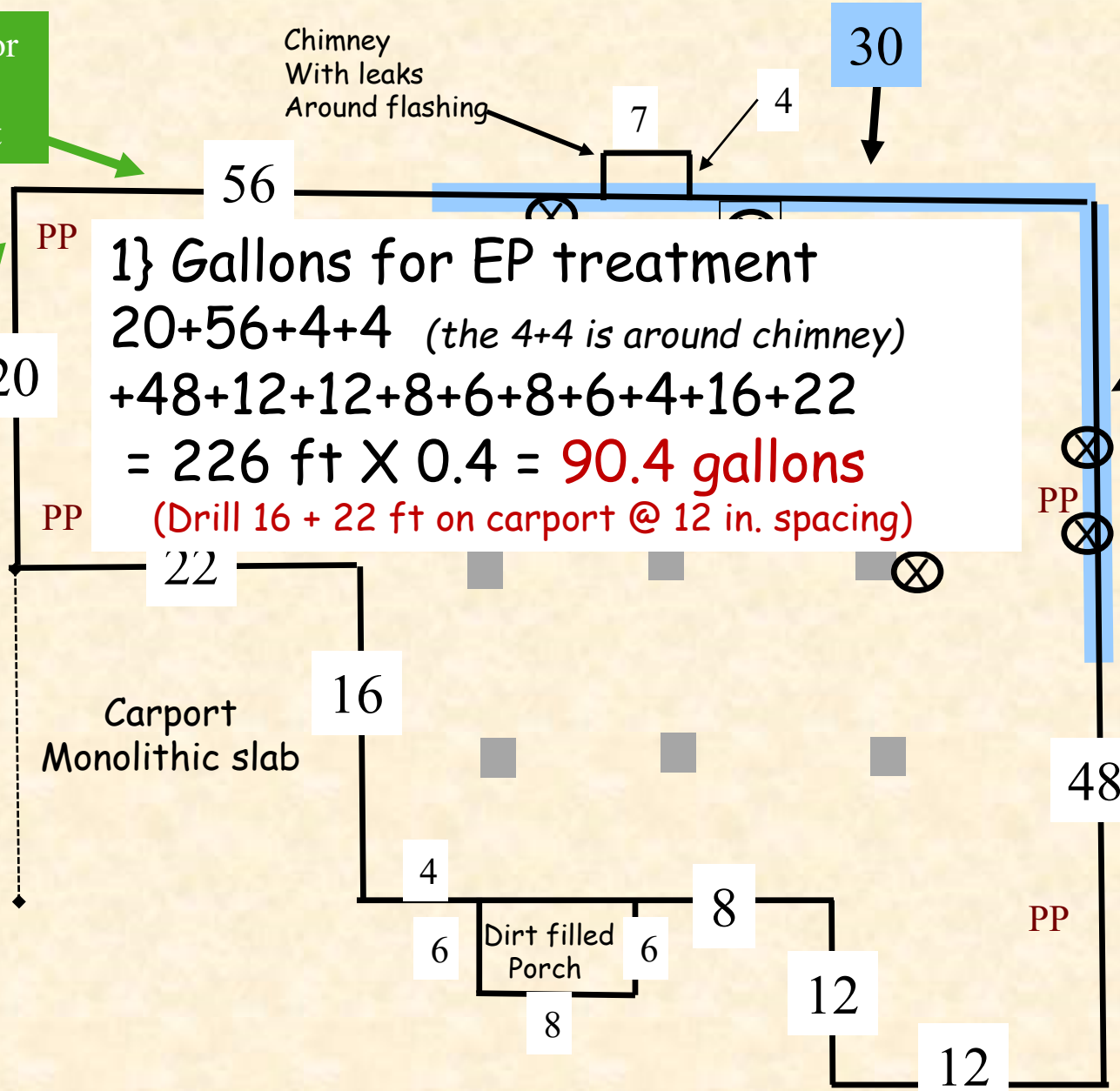
Foundation Wall construction



Pier construction



1.5x1.5



1} Gallons for EP treatment
20+56+4+4 (the 4+4 is around chimney)
+48+12+12+8+6+8+6+4+16+22
= 226 ft X 0.4 = **90.4 gallons**
(Drill 16 + 22 ft on carport @ 12 in. spacing)

Chimney With leaks Around flashing

30

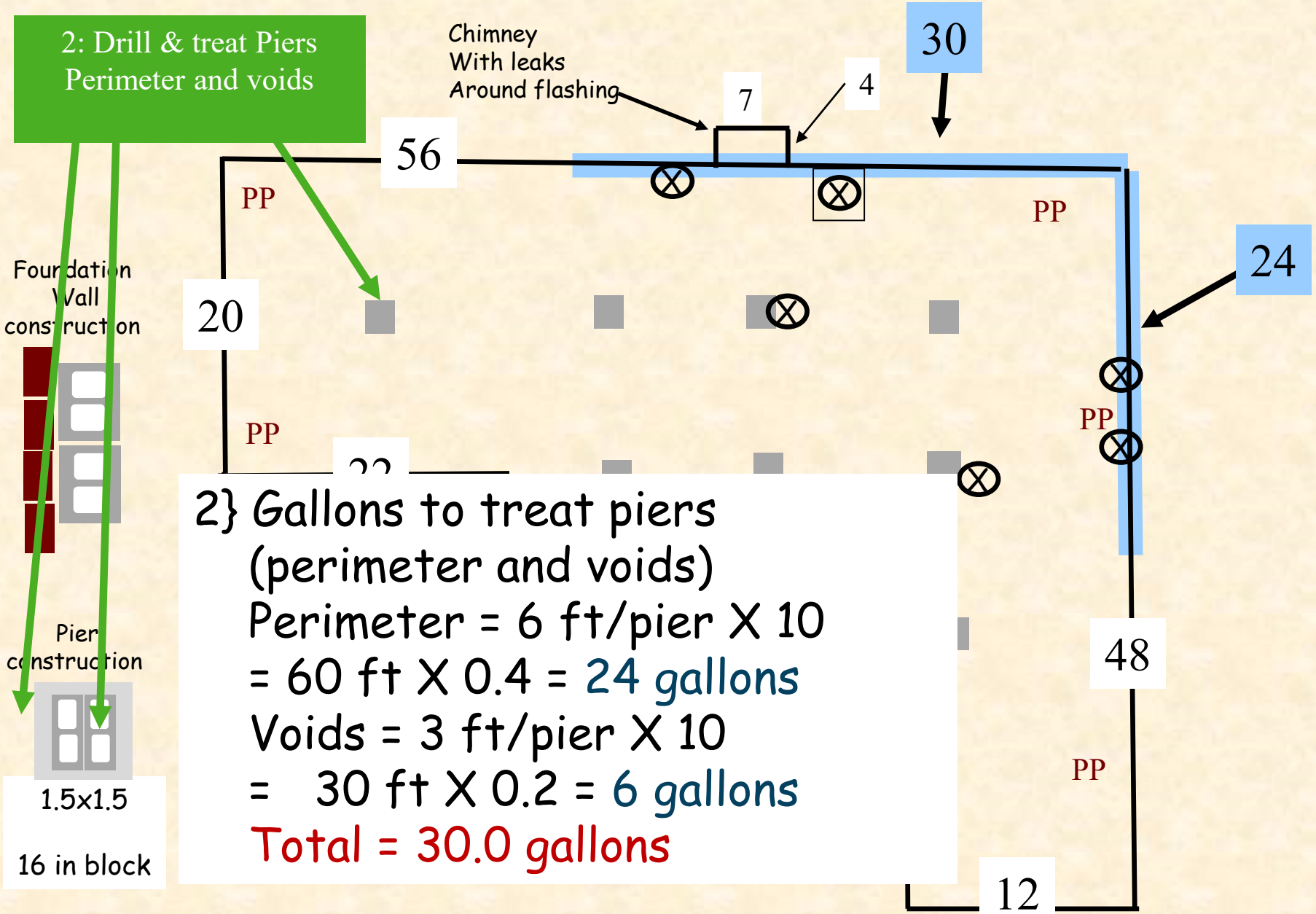
24

PP

Conventional Foundation

(EP/LI Treatment with Termidor SC, & active infestation, Formosans)

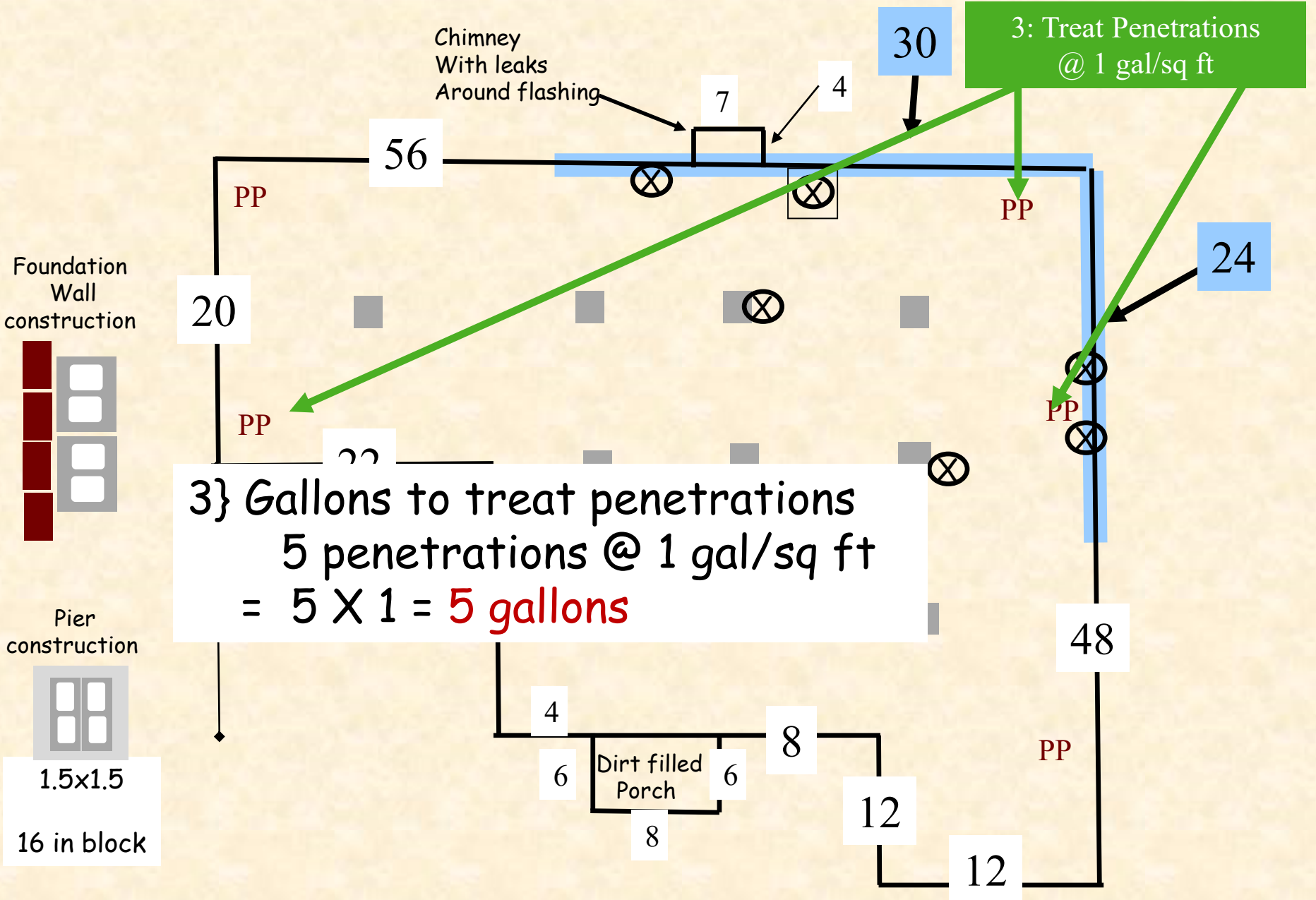
2: Drill & treat Piers
Perimeter and voids



2} Gallons to treat piers
(perimeter and voids)
 Perimeter = 6 ft/pier X 10
 = 60 ft X 0.4 = 24 gallons
 Voids = 3 ft/pier X 10
 = 30 ft X 0.2 = 6 gallons
Total = 30.0 gallons

Conventional Foundation

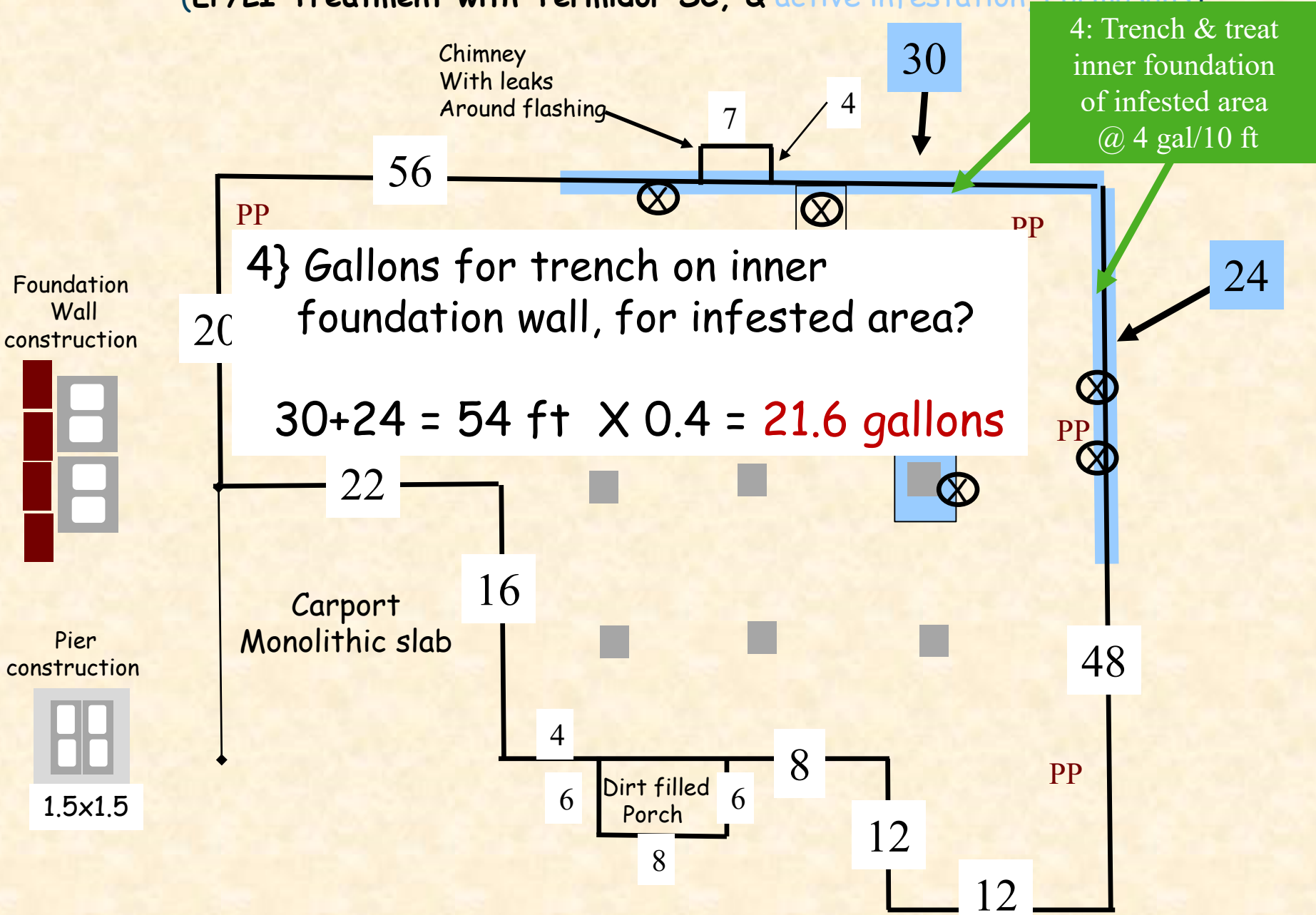
(EP/LI Treatment with Termidor SC, & active infestation, Formosans)



3} Gallons to treat penetrations
 5 penetrations @ 1 gal/sq ft
 = 5 X 1 = **5 gallons**

Conventional Foundation

(EP/LI Treatment with Termidor SC, & active infestation Formosans)



4: Trench & treat inner foundation of infested area @ 4 gal/10 ft

4} Gallons for trench on inner foundation wall, for infested area?
 $30 + 24 = 54 \text{ ft} \times 0.4 = 21.6 \text{ gallons}$

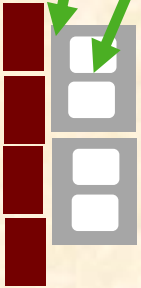


Conventional Foundation

(EP/LI Treatment with Termidor SC, & active infestation, Formosans)

5: Drill & treat 2 masonry voids of infested area @ 2 gal/10 ft

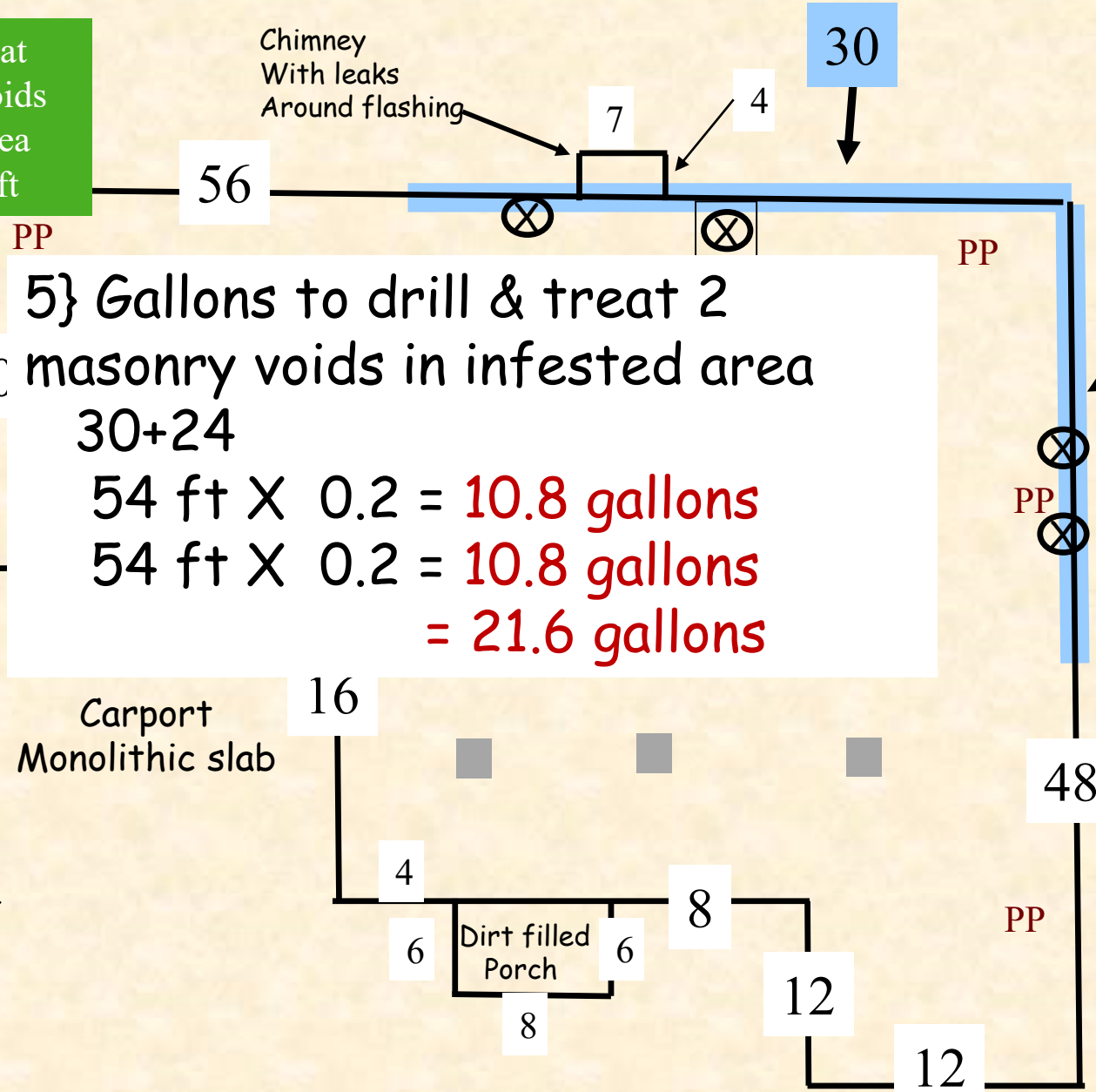
Foundation Wall construction



Pier construction



1.5x1.5



5} Gallons to drill & treat 2 masonry voids in infested area

30+24

54 ft X 0.2 = 10.8 gallons

54 ft X 0.2 = 10.8 gallons

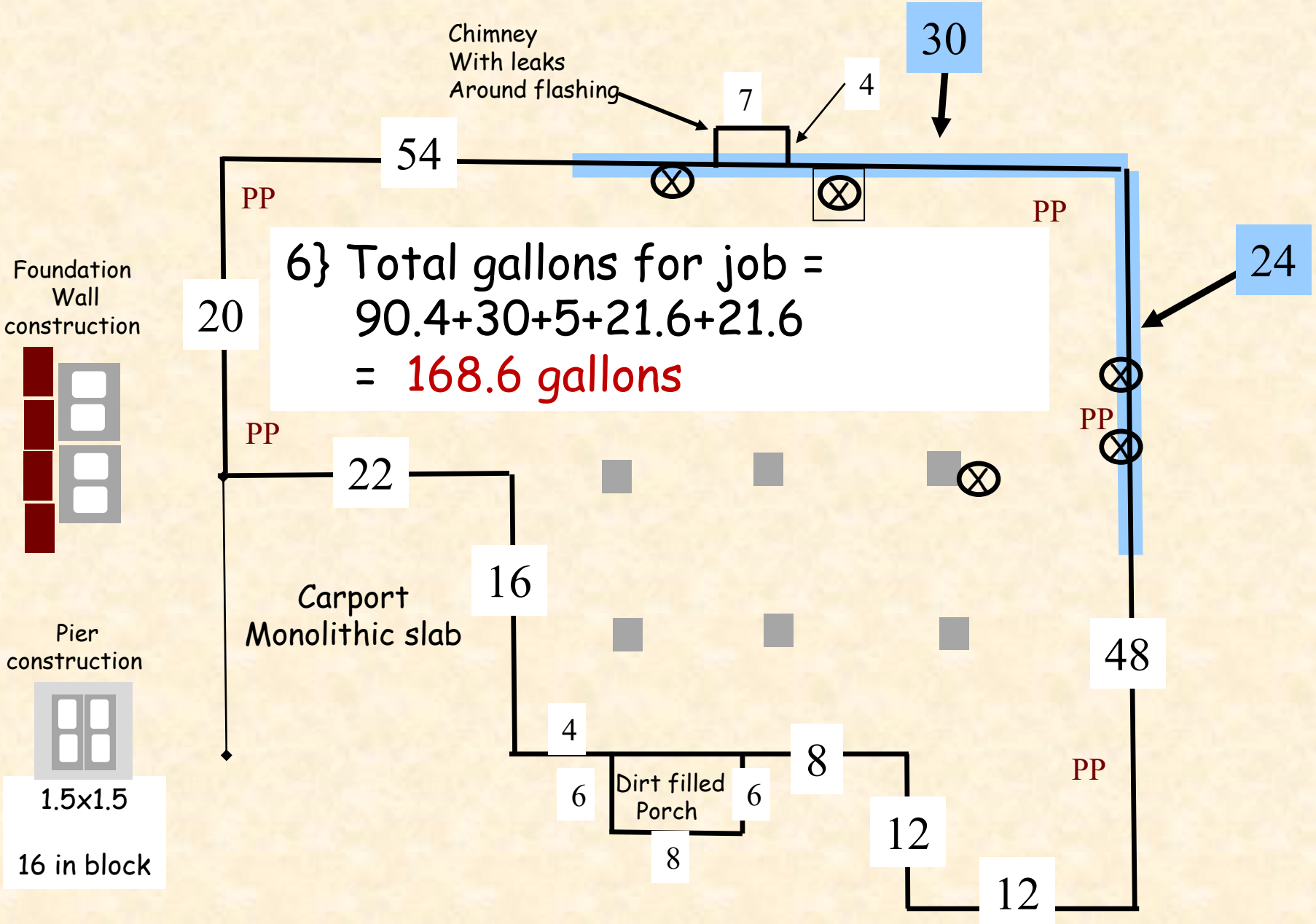
= 21.6 gallons

Carport Monolithic slab

Dirt filled Porch

Conventional Foundation

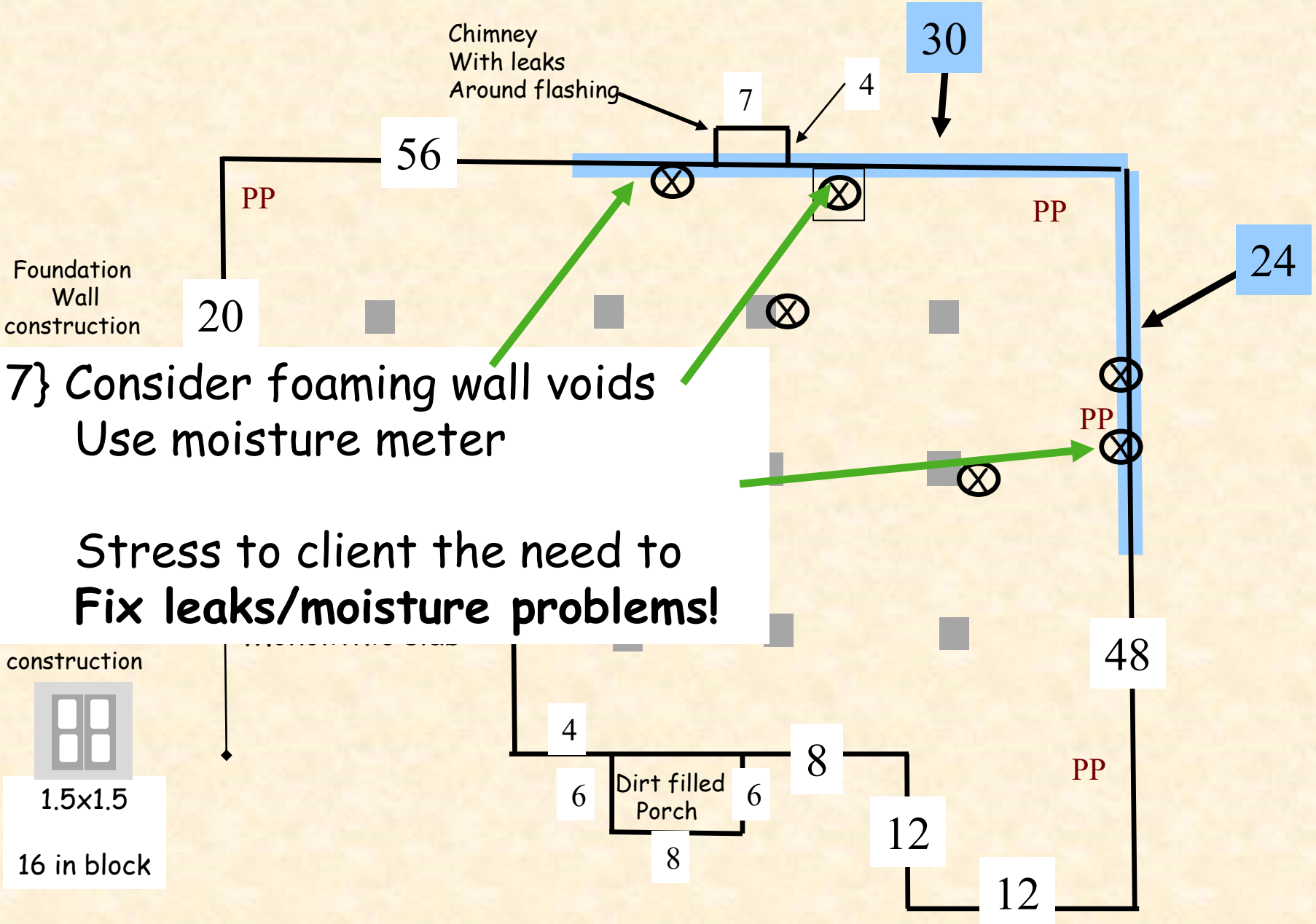
(EP/LI Treatment with Termidor SC, & active infestation, Formosans)



6} Total gallons for job =
 $90.4 + 30 + 5 + 21.6 + 21.6$
 = **168.6 gallons**

Conventional Foundation

(EP/LI Treatment with Termidor SC, & active infestation, Formosans)



7} Consider foaming wall voids
 Use moisture meter

Stress to client the need to
Fix leaks/moisture problems!

Practice Case 5: EP/LI with Termidor SC on conventional foundation,,with active Formosan termites

1) How many gallons for the exterior perimeter treatment?

Trench/drill and treat exterior perimeter @ 4 gal/10 ft

$20+56+4+4+48+12+12+8+6+8+6+4+16+22 = 224$ linear feet x 0.4

= 90.4 gallons (drill 16 ft + 22 ft on carport @ 12 inch spacing)

2) How many gallons for the piers (perimeter and voids)?

Trench and treat perimeter of 10 piers @ 4 gal/10 ft (6 ft per pier)

10 piers @ 6 ft/pier = 60 ft x 0.4 = 24 gallons for perimeters

Treat voids of 10 piers @ 2 gal/10 ft (3 ft per pier)

10 piers @ 3 ft/pier = 30 ft x 0.2 = 6 gallons for voids So, 24 + 16 = 30 gallons total for piers

3) How many gallons for plumbing penetrations?

Treat 5 penetrations @ 1 gallon/sq ft

5 x 1 gallon = 5 gallons

4) How many gallons for the inner foundation wall, in infested area?

Trench and treat inner foundation wall @ 4 gal/10 ft

$30+24 = 54$ ft x 0.4 = 21.6 gallons

5) How many gallons for masonry voids in foundation wall, in infested area?

2 voids, behind brick and inside hollow block @ 2 gal/10 ft

$30+24 = 54$ ft x 0.2 = 10.8 gallons x 2 = 21.6 gallons

6) What is total gallons for job?

$90.4+30+5+21.6+21.6 = 168.6$ gallons

7) These are Formosan termites. Are there any areas you might consider foaming?

If so, where? Consider foaming wall voids either side of chimney where active infestation was detected. Also, may foam other wall voids near the penetration points with active infestation. Use moisture meter to check for moisture problems. Stress the importance of repairing leaks to homeowner.