

Coconino County Building Division

2500 N. Fort Valley Rd.
Flagstaff, AZ 86001
(928)679-8850

MANUFACTURED HOME / FACTORY BUILT BUILDING PENETROMETER REPORT

Permit Number: _____

Home Owner: _____ Phone number: _____

Site Address: _____

Installer Name: _____ License Number: _____

Phone Number: _____

Name of Person Conducting Test: _____

Phone Number: _____

PENETROMETER TEST

SEVEN READINGS	MIDDLE FIVE	AVERAGE
1. _____	1. _____	_____
2. _____	2. _____	Load-Bearing Soil Capacity
3. _____	3. _____	
4. _____	4. _____	
5. _____	5. _____	
6. _____		
7. _____		

Signature: _____

Date: _____

How to use the Pocket Penetrometer, for soil testing;

1. To start test, push indicating ring against the body so that low side reads 0 (zero).
2. Slowly insert piston until engraved mark is level with soil.
3. Read strength in tons/sq.ft. using low side of ring (side closest to piston end); record reading.
4. For weak soils, use 1" adapter foot. Multiply reading by 0.0625 to obtain strength in tons/sq.ft.

Note- Pocket Penetrometer uses tons/sq.ft. (tons per square foot) R434-803.B.2a – uses psf (pounds per square foot)

1 ton = 2000 pounds

Take seven (7) readings from 7 different areas where the footers will be located. Disregard the highest and the lowest number. Reading of the number can be what is on the penetrometer, (example; 4.5, 3.5, or 2.0). Rewrite the 5 readings you are using in the next listing and add these numbers up. Divide these numbers by 5, then multiply that by 2,000, which will give you your average reading of the load-bearing soil capacity.

Effective 7/8/2020