

**TABLE R401.4.1 PRESUMPTIVE LOAD-BEARING
VALUES OF FOUNDATION MATERIALS^a**

| CLASS OF MATERIAL | LOAD-BEARING PRESSURE (pounds per square foot) |
|---|--|
| Crystalline bedrock | 12,000 |
| Sedimentary and foliated rock | 4,000 |
| Sandy gravel and/or gravel (GW and GP) | 3,000 |
| Sand, silty sand, clayey sand, silty gravel and clayey gravel (SW, SP, SM, SC, GM and GC) | 2,000 ^c 1,500 ^b |
| Clay, Sandy clay, silty clay, clayey silt, silt and sandy silt, (CL, ML, MH and CH) | 1,500 ^c 1,000 ^b |

For SI: 1 pound per square foot = 0.0479 kN/M².

- a. When soil tests are required by Section R401.4, the allowable bearing capabilities of the soil shall be part of recommendations.
- b. Where the building official determines that in-place soils with an allowable bearing capacity of less than ~~1,500 psf~~ *the values shown in the table* are likely to be present at the site, the allowable bearing capacity shall be determined by a soils investigation.