



SOIL TYPE AND APPROXIMATE LOAD-BEARING CAPACITY

THE FOLLOWING INFORMATION TAKEN FROM THE ACPA

- **THE FORMULA FOR DETERMINING THE LOAD IMPOSED ON THE SOIL IS TO DIVIDE THE TOTAL OUTRIGGER FORCE (POUNDS) BY THE AREA OF SOIL CONTACT (SQURE INCHES)**
- **SOIL PRESSURE = TOTAL OUTRIGGER FORCE / BY AREA OF SOIL CONTACT**

SEE CHART BELOW



Soil Type and Approximate Load-Bearing Capacity Chart:

Virgin ground	22 PSI
Asphalt	29 PSI
Compressed, crushed stone	36 PSI
Clay/silt soil, firm	43 PSI
Mixed granular soil	51 PSI
Firm, compacted gravel	58 PSI
Brittle, weather rock	145 PSI

