

Soil Bearing Capacities	
Class of Materials	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
Clay, sandy, silty clay, clayey silt, silt and sandy siltclay (CL, ML, MH and CH)	1,500

Residential Code 2015 of Massachusetts

Soil type:	Depth	
	Meters	feet
Topsoil	1.22	4
Brown silty clay	2.74	9
Very fine sand and gravel	3.66	12
Sand and clay	6.4	15
Gravel	7.32	24
London clay	88.4	27
Water	35.36	116

Case study variables		
32"	(820mm)	Frost line depth [US case studies]
450mm	(18")	Frost line depth [UK case study]
<b>1,200</b>	p/f	(pounds per linear foot) estimated load on foundation walls
<b>2,020</b>	p/f	(pounds per linear foot) estimated load on columns