PRESUMPTIVE LOADBEARING VALUES OF FOUNDATION MATERIALS

FOR

MODELS SF 22, SF 28, and SF 32

Soil Description	Allowable Soil Bearing Pressure psf (kPa)	TB 22 Allowable Load lbs. (kN)	TB28 Allowable Load lbs. (kN)	TB 32 Allowable Load lbs. (kN)
Soft Clay	1,000 psf (47.88)	3,360 (14.9)	5,440 (24.0)	7,100 (31.6)
Clay, sandy clay, silty clay & clayey silt	2,000 psf (95.76)	6,720 (29.9)	10,880 (48.4)	14,200 (63.1)
Sand, silty sand, clayey sand, silty gravel and clayey gravel	3,000 psf (143.64)	10,000 (44.5)	16,320 (72.6)	21,300 (94.7)
Sandy gravel or gravel	5,000 psf (239.40)	16,800 (74.7)	27,200 (121.0)	35,500 (157.8)
Sedimentary Rock	6,000 psf (287.28)	20,000 (88.9)	32,640 (145.2)	42,600 (189.4)
Crystalline bedrock	12,000psf (574.56)	40,300 (179.2)	65,280 (290.4)	85,200 (378.8)

1) The allowable loads shown conform to BOCA National Building Code, 1996 Section 1804.3.
2) Minimum concrete compressive strength shall be 3000 psi at 28 days.
3) Gravity loads include only dead loads (weight of construction materials) and service loads such as snow loads. Pier design and their ability to resist lateral and uplift loads is beyond the scope of this table.
4) Piers requiring design for earthquake loads shall be designed by a qualified Professional Engineer.
5) Maximum lift when pouring concrete is 16 inches (40.64 cm).
6) Sound Footing footing forms are not intended as a substitute foundation system for the full foundations commonly used under residential housing unless they have been designed to do so by a qualified professional engineer.

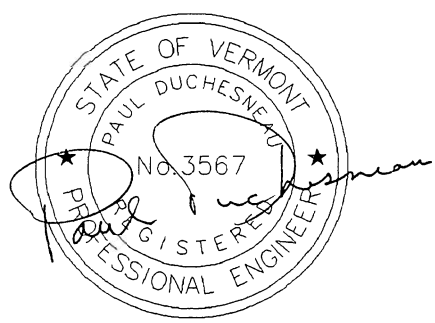

TABLE 2