Figure: 10 TAC §80.23(a)(4)

FOOTER CAPACITIES (LBS)

----------Soil Bearing Capacity----------

Footer size	1000psf	1500psf	2000psf	2500psf	3000psf or greater
16x16x4	1700	2700	3500	4400	5300
20x20x4	2700	4100	5500	6900	8300
16x32x4	3500	5200	6800	8600	10400
24x24x4	4000	6000	8000	10000	12000

Notes:

1) 8x16x4 footers may be used for perimeter and/or exterior door supports. Capacity is half that of the tabulated values for a 16x16x4 footer. For double 8x16x4 footers use the 16x16x4 row.
2) Footers of material other than concrete may be used if registered with the Department and the listed capacity and area is equal to or greater than the footer it replaces. Concrete footers of sizes not listed may be used as long as their size is equal to or greater than the size listed.
3) Footers with loads greater than 8,000 lbs. require a double stacked pier.
4) All poured concrete is minimum 2500 psi at 28 days.
5) Actual footer dimensions may be 3/8 inch less than the nominal dimensions for solid concrete footers conforming to the specifications in ASTM C90-99a, Standard Specification for Load bearing Concrete Masonry Units.

SOIL TYPE CHART

Class of Material	Load-Bearing Pressure (lbs per s.f.)
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 clay, silty clay, clayey silt, silt and sandy silt (CL, ML, MH and CH)	1,500[b]

For information only. Exact soil type must be determined by a certified lab.