

Figure: 10 TAC §80.23(f)(2)

**PIER LOADS (LBS) AT TABULATED SPACINGS**  
**(WITHOUT PERIMETER SUPPORTS)**

----- maximum pier spacing -----

Unit Width(ft)	4 ft o.c.	5 ft o.c.	6 ft o.c.	7 ft o.c.	8 ft o.c.
12 Wide	1725	2150	2600	3000	3400
14 wide	2000	2500	3000	3500	4000
16 Wide	2350	2900	3500	4100	4700
<i>Note:</i>	<b><i>18 ft. wides require perimeter support.</i></b>				
Example:	Determine maximum pier spacing for a 16 ft. wide x 76 ft. long single section with a soil bearing capacity of 1500 psf. Footer size to be used is a single 16x16x4 precast concrete footer.				
Step 1:	Look up the maximum load for a single 16x16x4 pad set on 1500 psf soil. Answer = 2700 psf				
Step 2:	In the table in the column for 16 ft. wide, find the on-center spacing (o.c.) load equal to or less than the footer capacity of 2700 lbs. The 4ft column shows minimum capacity of 2350 lbs.				
Answer:	Therefore, for a 16 ft. wide and a soil bearing capacity of 1500 psf using 16x16x4 footers the maximum pier spacing is 4 ft. o.c.				