

**Figure: 10 TAC §80.23(f)(3)**

**PIER LOADS (LBS) AT TABULATED SPACINGS**  
**(WITH PERIMETER SUPPORTS)**

----- maximum I-Beam pier spacing -----

Unit width (ft)	4 ft o.c.	6 ft o.c.	8 ft o.c.	10 ft o.c.	12 ft o.c.
12 Wide	750	1150	1500	1900	2300
14 Wide	1050	1600	2100	2600	3100
16 Wide	1200	1800	2400	3000	3600
18 Wide	1450	2150	2850	3600	4300

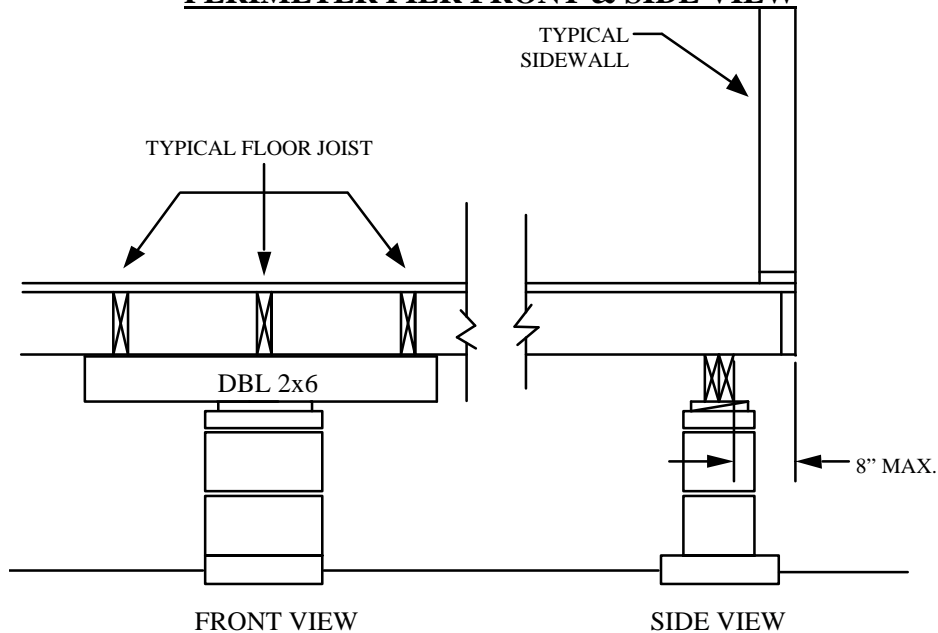
Note: Maximum I-Beam pier spacing is 8 ft. o.c. for 8" I-Beam, 10 ft. o.c. for 10" I-Beam and 12 ft. o.c. for 12" I-Beam or the resultant maximum spacing based on soil bearing and footer size per the table in §80.23(a)(4), whichever is less.

----- maximum perimeter 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	1000	1200	1500	1700	1900
14 Wide	1100	1400	1650	1900	2200
16 Wide	1300	1600	1900	2250	2500
18 Wide	1600	2000	2300	2700	3000

Example: Determine maximum I-Beam pier spacing for a 16 ft. wide with 12" I-Beam, perimeter support and 1500 psf soil bearing capacity.  
 Step 1: From the table in §80.23(a)(4), the maximum load for a 16x16x4 at 1500 psf soil is 2700 lbs.  
 Step 2: From the I-beam pier spacing table, the I-Beam pier load @ 10 ft. o.c. is 3000 lbs ==> no good, the I-Beam pier load @ 8 ft. o.c. is 2400 lbs ==> ok  
 I-Beam pier spacing is at 8 ft. o.c.  
 Step 3: The perimeter pier load @ 8ft. o.c. is 2500 lbs =====> ok  
 Perimeter pier spacing is at 8 ft. o.c.

**PERIMETER PIER FRONT & SIDE VIEW**



**Notes:**

- 1) Perimeter pier may be inset from edge of floor up to 8". The 2x6 brace may be omitted if the front face of a perimeter pier is flush with the perimeter joist and the perimeter pier supports the intersection of an interior joist and perimeter joist.
- 2) Dbl 2x6 are min. #3 Yellow Pine or pressure treated Spruce-Pine, nailed together with min. 16d galvanized nails 2-rows at maximum 8" o.c.
- 3) 2x6 brace must span at least two (2) but not more than three (3) floor joists.