**Section 870.TABLE E Pier Load and Minimum Pier Capacity for 12 Foot Wide Section (Pounds)**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Roof Live Load (psf) | Mating/Perimeter Wall Opening (feet) | | | | | | | | | | | | | |
|  | 5 | | 10 | | 15 | | 20 | | 25 | | 30 | | 35 | |
|  | 20 | 900 | | 1800 | | 2600 | | 3500 | | 4400 | | 5300 | | 6100 | |
|  | 30 | 1200 | | 2300 | | 3500 | | 4700 | | 5800 | | 7000 | | 8200 | |
|  | 40 | 1500 | | 2900 | | 4400 | | 5800 | | 7300 | | 8800\* | | 10200\* | |
| Soil's Load- Bearing Capacity (psf) | Footing Area (square inches) | | | | | | | | | | | | | | |
| 1000 | 20 | | 144 | | 259 | | 374 | | 504 | | 634 | | 763 | | 878 |
| 30 | | 173 | | 331 | | 504 | | 677 | | 835 | | 1008 | | 1181 |
| 40 | | 216 | | 417 | | 634 | | 835 | | 1051 | | 1267 | | 1469 |
| 1500 | 20 | | 144 | | 173 | | 250 | | 336 | | 422 | | 509 | | 586 |
| 30 | | 144 | | 221 | | 336 | | 451 | | 557 | | 672 | | 787 |
| 40 | | 144 | | 278 | | 422 | | 557 | | 701 | | 845 | | 979 |
| 2000 | 20 | | 144 | | 144 | | 187 | | 252 | | 317 | | 382 | | 439 |
| 30 | | 144 | | 166 | | 252 | | 338 | | 418 | | 504 | | 590 |
| 40 | | 144 | | 209 | | 317 | | 418 | | 526 | | 634 | | 734 |
| 3000 | 20 | | 144 | | 144 | | 144 | | 168 | | 211 | | 254 | | 293 |
| 30 | | 144 | | 144 | | 168 | | 226 | | 278 | | 336 | | 394 |
| 40 | | 144 | | 144 | | 211 | | 278 | | 350 | | 422 | | 490 |
| 4000 | 20 | | 144 | | 144 | | 144 | | 144 | | 191 | | 191 | | 220 |
| 30 | | 144 | | 144 | | 144 | | 169 | | 209 | | 252 | | 295 |
| 40 | | 144 | | 144 | | 158 | | 209 | | 263 | | 317 | | 367 |

\* Individual supports shall NOT support loads greater than 8000 pounds for a single stack of 8"x8"x16" stack of blocks, 14000 pounds for a double stack.