**Section 870.TABLE G Pier Load and Minimum Pier Capacity for 16 Foot Wide Section (Pounds)**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Roof Live Load (psf) | Mating/Perimeter Wall Opening (feet) | | | | | | | | | |
|  | 5 | | 10 | | 15 | 20 | 25 | 30 | | 35 |
|  | 20 | 1200 | 2300 | | 3500 | | 4700 | 5800 | 7000 | | 8100\* |
|  | 30 | 1600 | 3100 | | 4700 | | 6200 | 7800 | 9300\* | | 10900\* |
|  | 40 | 1900 | 3800 | | 5800 | | 7500 | 9700\* | 11600\* | | 13600\* |
| Soil's Load- Bearing Capacity (psf) | Footing Area (square inches) | | | | | | | | | | |
| 1000 | 20 | 173 | 331 | | 504 | | 677 | 835 | 1008 | 1166 | |
| 30 | 230 | 446 | | 677 | | 893 | 1123 | 1339 | 1570 | |
| 40 | 274 | 547 | | 835 | | 1080 | 1397 | 1670 | 1958 | |
| 1500 | 20 | 144 | 221 | | 336 | | 451 | 557 | 672 | 778 | |
| 30 | 154 | 298 | | 451 | | 595 | 749 | 893 | 1046 | |
| 40 | 182 | 365 | | 557 | | 720 | 931 | 1114 | 1306 | |
| 2000 | 20 | 144 | 165 | | 252 | | 338 | 418 | 504 | 583 | |
| 30 | 144 | 223 | | 338 | | 446 | 562 | 670 | 785 | |
| 40 | 144 | 144 | | 418 | | 540 | 698 | 835 | 979 | |
| 3000 | 20 | 144 | 144 | | 168 | | 226 | 278 | 336 | 389 | |
| 30 | 144 | 149 | | 226 | | 298 | 374 | 446 | 523 | |
| 40 | 144 | 182 | | 278 | | 360 | 466 | 557 | 653 | |
| 4000 | 20 | 144 | 144 | | 144 | | 169 | 209 | 252 | 292 | |
| 30 | 144 | 144 | | 169 | | 223 | 281 | 335 | 392 | |
| 40 | 144 | 144 | | 209 | | 270 | 349 | 418 | 490 | |

\* 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.