**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.