**Section 870.TABLE C Footing Areas Required for Soil's Load-Bearing Capacity − Design Roof Load 30 Pounds Per Square Foot**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Section Width (feet) | | | | | | | | | |
|  | 12 | 14 | 16 | 12 | 14 | 16 | 12 | 14 | 16 |
| Support Spacing (feet) | | | | | | | | | |
|  | 6 | 6 | 6 | 8 | 8 | 8 | 10 | 10 | 10 |
| Support Loading (pounds per pier) | | | | | | | | | |
|  | 3550 | 4150 | 4750 | 4750 | 5550 | 6350 | 5950 | 6950 | 7950 |
| Soil's Load- Bearing Capacity (lbs/ft2) | Footing Area (square inches) | | | | | | | | |
| 1000 | 511 | 598 | 684 | 684 | 799 | 914 | 857 | 1001 | 1145 |
| 1500 | 341 | 398 | 456 | 456 | 533 | 610 | 571 | 667 | 763 |
| 2000 | 256 | 299 | 342 | 342 | 400 | 457 | 428 | 500 | 572 |
| 3000 | 170 | 199 | 228 | 228 | 266 | 305 | 286 | 334 | 382 |
| 4000 | 144 | 148 | 171 | 171 | 200 | 229 | 214 | 250 | 286 |