

**Table 4. Post Height for 6x6<sup>5</sup> and Footing Sizes for all Posts.**

| Beam Span, L <sub>B</sub> | Joist Span L <sub>J</sub> | Post Heights <sup>1</sup> |                                |                                       |         |                                            | Footing Sizes <sup>2</sup> |                |                                |
|---------------------------|---------------------------|---------------------------|--------------------------------|---------------------------------------|---------|--------------------------------------------|----------------------------|----------------|--------------------------------|
|                           |                           | Southern Pine             | Douglas Fir-Larch <sup>3</sup> | Hem-Fir <sup>3</sup> , Western Cedars | Redwood | Ponderosa Pine, Red Pine, SPF <sup>3</sup> | Round Footing Diameter     | Square Footing | Footing Thickness <sup>4</sup> |
| 6'                        | ≤10'                      | 14'                       | 14'                            | 14'                                   | 14'     | 14'                                        | 18"                        | 16"x16"        | 7"                             |
|                           | ≤14'                      | 14'                       | 14'                            | 14'                                   | 14'     | 14'                                        | 21"                        | 18"x18"        | 8"                             |
|                           | ≤18'                      | 14'                       | 14'                            | 12'                                   | 14'     | 11'                                        | 24"                        | 21"x21"        | 10"                            |
| 8'                        | ≤10'                      | 14'                       | 14'                            | 14'                                   | 14'     | 14'                                        | 20"                        | 18"x18"        | 8"                             |
|                           | ≤14'                      | 14'                       | 14'                            | 14'                                   | 14'     | 11'                                        | 24"                        | 21"x21"        | 10"                            |
|                           | ≤18'                      | 14'                       | 13'                            | 11'                                   | 12'     | 8'                                         | 27"                        | 24"x24"        | 11"                            |
| 10'                       | ≤10'                      | 14'                       | 14'                            | 14'                                   | 14'     | 12'                                        | 23"                        | 20"x20"        | 9"                             |
|                           | ≤14'                      | 14'                       | 13'                            | 11'                                   | 13'     | 8'                                         | 27"                        | 24"x24"        | 11"                            |
|                           | ≤18'                      | 12'                       | 11'                            | 8'                                    | 11'     | 2'                                         | 31"                        | 27"x27"        | 13"                            |
| 12'                       | ≤10'                      | 14'                       | 14'                            | 12'                                   | 14'     | 10'                                        | 25"                        | 22"x22"        | 10"                            |
|                           | ≤14'                      | 13'                       | 12'                            | 9'                                    | 11'     | 5'                                         | 30"                        | 26"x26"        | 13"                            |
|                           | ≤18'                      | 11'                       | 9'                             | 6'                                    | 9'      | 2'                                         | 34"                        | 30"x30"        | 15"                            |
| 14'                       | ≤10'                      | 14'                       | 13'                            | 11'                                   | 13'     | 8'                                         | 27"                        | 24"x24"        | 11"                            |
|                           | ≤14'                      | 11'                       | 10'                            | 7'                                    | 10'     | 2'                                         | 32"                        | 29"x29"        | 14"                            |
|                           | ≤18'                      | 9'                        | 8'                             | 2'                                    | 8'      | NP                                         | 37"                        | 33"x33"        | 16"                            |
| 16'                       | ≤10'                      | 13'                       | 12'                            | 10'                                   | 12'     | 6'                                         | 29"                        | 26"x26"        | 12"                            |
|                           | ≤14'                      | 10'                       | 9'                             | 5'                                    | 9'      | 2'                                         | 35"                        | 31"x31"        | 15"                            |
|                           | ≤18'                      | 7'                        | 5'                             | 2'                                    | 7'      | NP                                         | 40"                        | 35"x35"        | 18"                            |
| 18'                       | ≤10'                      | 12'                       | 11'                            | 8'                                    | 11'     | 2'                                         | 31"                        | 27"x27"        | 13"                            |
|                           | ≤14'                      | 9'                        | 8'                             | 2'                                    | 8'      | NP                                         | 37"                        | 33"x33"        | 16"                            |
|                           | ≤18'                      | 5'                        | 2'                             | 2'                                    | 6'      | NP                                         | 42"                        | 37"x37"        | 19"                            |

1. Assumes 40 psf live load, 10 psf dead load, L<sub>B</sub>/4 and L<sub>J</sub>/4 overhangs, No 2. grade and wet service conditions.
2. Assumes 1,500 psf soil bearing capacity and 150 pcf concrete. Value may be multiplied by 0.9 for corner posts.
3. Incising assumed for Douglas Fir-Larch, Hem-Fir, and Spruce-Pine-Fir.
4. Assumes 2,500 psi compressive strength of concrete. Coordinate footing thickness with post base and anchor requirements.
5. 8x8 nominal posts may be substituted anywhere in Table 4 to a maximum height of 14'.