

CONVERSION TABLE — HORIZONTAL TO SLOPE AREAS

| Rise, Inches per Foot of Horizontal Run | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---|----------------|----------------|---------------|---------------|----------------|---------------|----------------|---------------|---------------|----------------|-----------------|---------------|
| Pitch, Fractions | $\frac{1}{24}$ | $\frac{1}{12}$ | $\frac{1}{8}$ | $\frac{1}{6}$ | $\frac{5}{24}$ | $\frac{1}{4}$ | $\frac{7}{24}$ | $\frac{1}{3}$ | $\frac{3}{8}$ | $\frac{5}{12}$ | $\frac{11}{24}$ | $\frac{1}{2}$ |
| Conversion Factor | 1.004 | 1.014 | 1.031 | 1.054 | 1.083 | 1.118 | 1.157 | 1.202 | 1.250 | 1.302 | 1.356 | 1.414 |
| Horizontal Length in Feet | | | | | | | | | | | | |
| 1 | 1.0 | 1.0 | 1.0 | 1.1 | 1.1 | 1.1 | 1.2 | 1.2 | 1.3 | 1.3 | 1.4 | 1.4 |
| 2 | 2.0 | 2.0 | 2.1 | 2.1 | 2.2 | 2.2 | 3.2 | 2.4 | 2.5 | 2.6 | 2.7 | 2.8 |
| 3 | 3.0 | 3.0 | 3.1 | 3.2 | 3.2 | 3.2 | 3.5 | 3.6 | 3.8 | 3.9 | 4.1 | 4.2 |
| 4 | 4.0 | 4.1 | 4.1 | 4.2 | 4.3 | 4.5 | 4.6 | 4.8 | 5.0 | 5.2 | 5.4 | 5.7 |
| 5 | 5.0 | 5.1 | 5.2 | 5.3 | 5.4 | 5.6 | 5.8 | 6.0 | 6.3 | 6.5 | 6.8 | 7.1 |
| 6 | 6.0 | 6.1 | 6.2 | 6.3 | 6.5 | 6.7 | 6.9 | 7.2 | 7.5 | 7.8 | 8.1 | 8.5 |
| 7 | 7.0 | 7.1 | 7.2 | 7.4 | 7.6 | 7.8 | 8.1 | 8.4 | 8.8 | 9.1 | 9.5 | 9.9 |
| 8 | 8.0 | 8.1 | 8.3 | 8.4 | 8.7 | 8.9 | 9.3 | 9.6 | 10.0 | 10.4 | 10.8 | 11.3 |
| 9 | 9.0 | 9.1 | 9.3 | 9.5 | 9.7 | 10.1 | 10.4 | 10.8 | 11.3 | 11.7 | 12.2 | 12.7 |
| 10 | 10.0 | 10.1 | 10.3 | 10.5 | 10.8 | 11.2 | 11.6 | 12.0 | 12.5 | 13.0 | 13.6 | 14.1 |
| 20 | 20.1 | 20.3 | 20.6 | 21.1 | 21.7 | 22.4 | 23.1 | 24.0 | 25.0 | 26.0 | 27.1 | 28.3 |

| | | | | | | | | | | | | |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 30 | 30.1 | 30.4 | 31.0 | 31.6 | 32.5 | 33.5 | 34.7 | 36.1 | 37.5 | 39.1 | 40.7 | 42.4 |
| 40 | 40.2 | 40.6 | 41.2 | 42.2 | 43.3 | 44.7 | 46.3 | 48.1 | 50.0 | 52.1 | 54.2 | 56.6 |
| 50 | 50.2 | 50.7 | 51.6 | 52.7 | 54.2 | 55.9 | 57.8 | 60.1 | 62.5 | 65.1 | 67.8 | 70.7 |
| 60 | 60.2 | 60.8 | 61.9 | 63.2 | 65.0 | 67.1 | 69.4 | 72.1 | 75.0 | 78.1 | 81.4 | 84.8 |
| 70 | 70.3 | 71.0 | 72.2 | 73.8 | 75.8 | 78.3 | 81.0 | 84.1 | 87.5 | 91.1 | 94.9 | 99.0 |
| 80 | 80.3 | 81.1 | 82.5 | 84.3 | 86.6 | 89.4 | 92.6 | 96.2 | 100.0 | 104.2 | 108.5 | 113.1 |
| 90 | 90.4 | 91.3 | 92.8 | 94.9 | 97.5 | 100.6 | 104.1 | 108.2 | 112.5 | 117.2 | 122.0 | 127.3 |
| 100 | 100.4 | 101.4 | 103.1 | 105.4 | 108.3 | 111.8 | 115.7 | 120.2 | 125.0 | 130.2 | 135.6 | 141.4 |
| 200 | 200.8 | 202.8 | 206.2 | 210.8 | 216.6 | 223.6 | 231.4 | 240.4 | 250.0 | 260.4 | 271.2 | 282.8 |
| 300 | 301.2 | 304.2 | 309.3 | 316.2 | 324.9 | 335.4 | 347.1 | 360.6 | 375.0 | 390.6 | 406.8 | 424.2 |
| 400 | 401.6 | 405.6 | 412.4 | 421.6 | 433.2 | 447.2 | 462.8 | 480.8 | 500.0 | 520.8 | 542.4 | 565.6 |
| 500 | 502.0 | 507.0 | 515.5 | 527.0 | 541.5 | 559.0 | 578.5 | 601.0 | 625.0 | 651.0 | 678.0 | 707.0 |
| 600 | 602.4 | 608.4 | 618.6 | 632.4 | 649.8 | 670.8 | 694.2 | 721.2 | 750.0 | 781.2 | 813.6 | 848.4 |
| 700 | 702.8 | 709.8 | 721.7 | 737.8 | 758.1 | 782.6 | 809.9 | 841.4 | 875.0 | 911.4 | 949.2 | 989.8 |
| 800 | 803.2 | 811.2 | 824.8 | 843.2 | 864.4 | 894.4 | 925.6 | 961.6 | 1000.0 | 1041.6 | 1084.8 | 1131.2 |
| 900 | 903.6 | 912.6 | 927.9 | 948.6 | 974.7 | 1006.2 | 1041.3 | 1081.8 | 1125.0 | 1171.8 | 1220.4 | 1272.6 |
| 1000 | 1004.0 | 1014.0 | 1031.0 | 1054.0 | 1083.0 | 1118.0 | 1157.0 | 1202.0 | 1250.0 | 1302.0 | 1356.0 | 1414.0 |