

Slope Length - L (ft)

Horizontal Length - x - (ft)	Vertical rise - y (inches per foot horizontal length)											
	1	2	3	4	5	6	7	8	9	10	11	12
	Conversion Factor											
	1.0035	1.0138	1.0308	1.0541	1.0833	1.1180	1.1577	1.2019	1.2500	1.3017	1.3566	1.4142
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	2.3	2.4	2.5	2.6	2.7	2.8
3	3.0	3.0	3.1	3.2	3.3	3.4	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	8.2	8.4	8.7	8.9	9.3	9.6	10.0	10.4	10.9	11.3
9	9.0	9.1	9.3	9.5	9.8	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
12	12.0	12.2	12.4	12.6	13.0	13.4	13.9	14.4	15.0	15.6	16.3	17.0
14	14.0	14.2	14.4	14.8	15.2	15.7	16.2	16.8	17.5	18.2	19.0	19.8
16	16.1	16.2	16.5	16.9	17.3	17.9	18.5	19.2	20.0	20.8	21.7	22.6
18	18.1	18.2	18.6	19.0	19.5	20.1	20.8	21.6	22.5	23.4	24.4	25.5
20	20.1	20.3	20.6	21.1	21.7	22.4	23.2	24.0	25.0	26.0	27.1	28.3
22	22.1	22.3	22.7	23.2	23.8	24.6	25.5	26.4	27.5	28.6	29.8	31.1
24	24.1	24.3	24.7	25.3	26.0	26.8	27.8	28.8	30.0	31.2	32.6	33.9
26	26.1	26.4	26.8	27.4	28.2	29.1	30.1	31.2	32.5	33.8	35.3	36.8
28	28.1	28.4	28.9	29.5	30.3	31.3	32.4	33.7	35.0	36.4	38.0	39.6
30	30.1	30.4	30.9	31.6	32.5	33.5	34.7	36.1	37.5	39.1	40.7	42.4
35	35.1	35.5	36.1	36.9	37.9	39.1	40.5	42.1	43.8	45.6	47.5	49.5
40	40.1	40.6	41.2	42.2	43.3	44.7	46.3	48.1	50.0	52.1	54.3	56.6
45	45.2	45.6	46.4	47.4	48.8	50.3	52.1	54.1	56.3	58.6	61.0	63.6
50	50.2	50.7	51.5	52.7	54.2	55.9	57.9	60.1	62.5	65.1	67.8	70.7
55	55.2	55.8	56.7	58.0	59.6	61.5	63.7	66.1	68.8	71.6	74.6	77.8
60	60.2	60.8	61.8	63.2	65.0	67.1	69.5	72.1	75.0	78.1	81.4	84.9
65	65.2	65.9	67.0	68.5	70.4	72.7	75.3	78.1	81.3	84.6	88.2	91.9
70	70.2	71.0	72.2	73.8	75.8	78.3	81.0	84.1	87.5	91.1	95.0	99.0
75	75.3	76.0	77.3	79.1	81.3	83.9	86.8	90.1	93.8	97.6	101.7	106.1
80	80.3	81.1	82.5	84.3	86.7	89.4	92.6	96.1	100.0	104.1	108.5	113.1
85	85.3	86.2	87.6	89.6	92.1	95.0	98.4	102.2	106.3	110.6	115.3	120.2
90	90.3	91.2	92.8	94.9	97.5	100.6	104.2	108.2	112.5	117.2	122.1	127.3
95	95.3	96.3	97.9	100.1	102.9	106.2	110.0	114.2	118.8	123.7	128.9	134.4
100	100.3	101.4	103.1	105.4	108.3	111.8	115.8	120.2	125.0	130.2	135.7	141.4
110	110.4	111.5	113.4	116.0	119.2	123.0	127.3	132.2	137.5	143.2	149.2	155.6
120	120.4	121.7	123.7	126.5	130.0	134.2	138.9	144.2	150.0	156.2	162.8	169.7
130	130.5	131.8	134.0	137.0	140.8	145.3	150.5	156.2	162.5	169.2	176.4	183.8
140	140.5	141.9	144.3	147.6	151.7	156.5	162.1	168.3	175.0	182.2	189.9	198.0
150	150.5	152.1	154.6	158.1	162.5	167.7	173.7	180.3	187.5	195.3	203.5	212.1
160	160.6	162.2	164.9	168.7	173.3	178.9	185.2	192.3	200.0	208.3	217.1	226.3
170	170.6	172.3	175.2	179.2	184.2	190.1	196.8	204.3	212.5	221.3	230.6	240.4
180	180.6	182.5	185.5	189.7	195.0	201.2	208.4	216.3	225.0	234.3	244.2	254.6
190	190.7	192.6	195.8	200.3	205.8	212.4	220.0	228.4	237.5	247.3	257.7	268.7
200	200.7	202.8	206.2	210.8	216.7	223.6	231.5	240.4	250.0	260.3	271.3	282.8

