

# Alternating Tread Stair: Horizontal Run Projections

VERTICAL RISE		HORIZONTAL RUN		
FEET	INCHES	STEEL, 56°	STEEL, 68°	ALUMINUM, 68°
2.0	24	N/A	N/A	15.96"
2.5	30	N/A	N/A	18.59"
3.0	36	28.93"	N/A	20.41"
3.5	42	33.11"	23.08"	23.08"
4.0	48	37.25"	25.66"	25.66"
4.5	54	41.37"	28.2"	28.2"
5.0	60	44.91"	30.28"	30.71"
5.5	66	49.07"	32.83"	33.2"
6.0	72	53.21"	35.36"	35.36"
6.5	78	57.33"	37.86"	37.86"
7.0	84	61.44"	40.04"	40.35"
7.5	90	65.15"	42.56"	42.56"
8.0	96	69.27"	45.05"	45.05"
8.5	102	73.39"	47.28"	47.54"
9.0	108	77.49"	49.78"	50.02"
9.5	114	81.59"	52.27"	52.27"
10.0	120	85.38"	54.75"	54.75"
10.5	126	89.49"	57.01"	57.23"
11.0	132	93.59"	59.5"	59.69"
11.5	138	97.68"	61.98"	61.98"
12.0	144	101.77"	64.45"	64.45"
12.5	150	105.62"	66.74"	66.91"
13.0	156	109.71"	69.21"	69.38"
13.5	162	113.8"	71.68"	71.68"
14.0	168	117.89"	73.98"	74.14"
14.5	174	121.97"	76.45"	76.61"
15.0	180	125.85"	78.92"	78.92"
15.5	186	129.94"	81.38"	81.38"
16.0	192	134.02"	83.7"	83.3"
16.5	198	138.11"	86.16"	86.3"
17.0	204	142.19"	88.62"	88.62"
17.5	210	146.09"	91.08"	91.08"
18.0	216	150.17"	93.41"	93.54"
18.5	222	154.25"	95.87"	N/A
19.0	228	158.33"	98.33"	N/A
19.5	234	162.4"	100.78"	N/A
20.0	240	166.32"	103.12"	N/A

**NOTE:** Projected horizontal runs per six inch vertical rise. Lapeyre Stair recommends 56° angle for comfort when space allows.