



3'-1 1/4" minimum  
Code 3'-6" minimum

3'-1 1/4"  
Code: 34" min to 38" max

2'-10 1/2"  
Code: 34" min to 38" max

3'-8"  
Code min. = 3'-6"

11'-11"  
Equal to 13 Full Treads @ 11" ea.

11'-0"  
12 Full Treads @ 11" each

NOTE: FOR LAYOUT AND CALCULATION PURPOSES, A RUN OF STAIRS HAS THE SAME NUMBER OF TREADS AS IT DOES RISERS.

7'-4"  
13 RISERS

AS "Z" INCREASES, "Y" INCREASES AND "X" DECREASES. "X" + "Y" = 11" (OR THE REQUIRED DESIGN TREAD DEPTH)

AS "Z" INCREASES, "Y" INCREASES AND "X" DECREASES. "X" + "Y" = 11"

SPRING LINE:

NOTE: SLOPING LINES FOR SUCCESSIVE RUNS OF STAIRS, AS FOLLOWS:

- TOP OF GUARD
- TOP OF HANDRAIL
- TOP OF STRINGER
- LINE THROUGH NOSING

ALL INTERSECT AT SPRING LINE. (NO EXCEPTIONS)

SPRING LINE:

THIS HT. IS OFTEN THE KEY DETERMINANT. SET IT TO BASE HT OR ANY OTHER ARBITRARY HT AND THE REST OF THE STAIR DESIGN FALLS TOGETHER.

THE STAIR STARTS HERE.  
NOT HERE.

3'-1 1/4"

