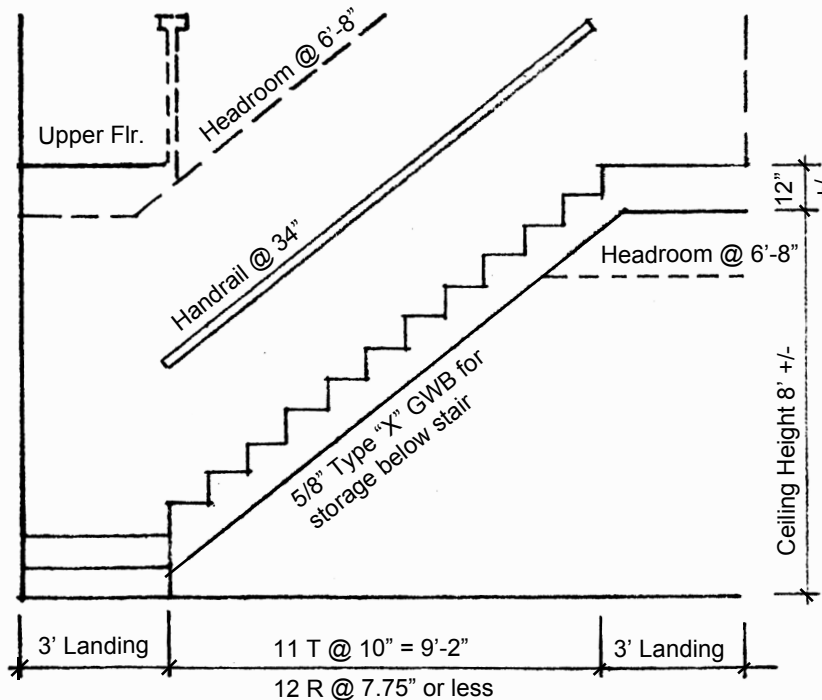


Stair Plan - 1/4" = 1'-0



Stair Section - 1/4" = 1'-0

Stair Notes

- Max rise of 7 3/4", Min. run of 10", Max variation 3/8"
- Min. width 36" inside
- Min. headroom 6'- 8"
- Framing from 3 2x12 stringers notched over 2x6 cleats top & bottom or use metal angle
- Treads or 5/4 composite hardboard or equal, risers 3/4 stock.
- Storage under stair protected with 5/8" type X GWB taped airtight.
- Handrails needed for stairs of 4 or more risers.
- Handrails to be 1-1/2" dia. 34" to 38" above nosing w/ return to newl post or wall.
- Applicable code IRC 2003 subject to local approval

This stair is at 1/4" scale and the plan and section views can be copied into any paper plan where it will fit. This matches the lower slope needed in locations where they follow the IRC (International Residential Code).

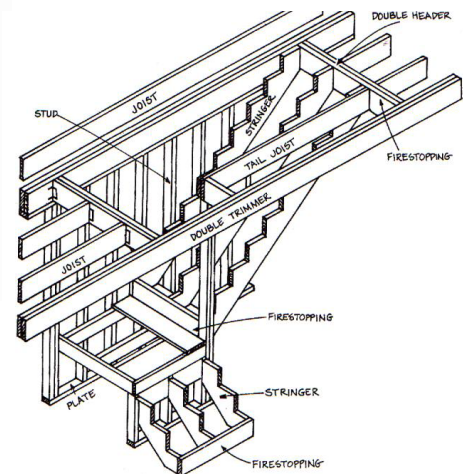
The risers are designed for an 8' ceiling. An extra riser or two can be added to the run for a higher ceiling. Measure the finish floor to finish floor height and divide this by the number of risers (14 here) to get the rise per step. This needs to be under 7.75" to meet this stair code.

If you add risers to the short side of the stair make sure you have not compro-

mised head room on the outside edge of the landing. This stair is simplest if you can have a rectangular opening in the upper floor the width of the stair (3' min inside the walls - make the framed opening 3'-1" for 1/2" drywall).

You may be able to have headroom under an upper floor "bridge" (shown dotted). Alternatively, you may need to add risers as shown below and frame an "L" in the upper floor opening if a shorter run on the long leg is desired or the ceiling is higher and you need more risers.

L-SHAPED STAIR



If you need more than a couple of risers on the short leg of the stair you can provide headroom by installing a post and supporting an L-shaped opening in the upper floor.

For more information on framing and building a stair see Wagner, "House Framing", Chapter 12 or other carpentry books.