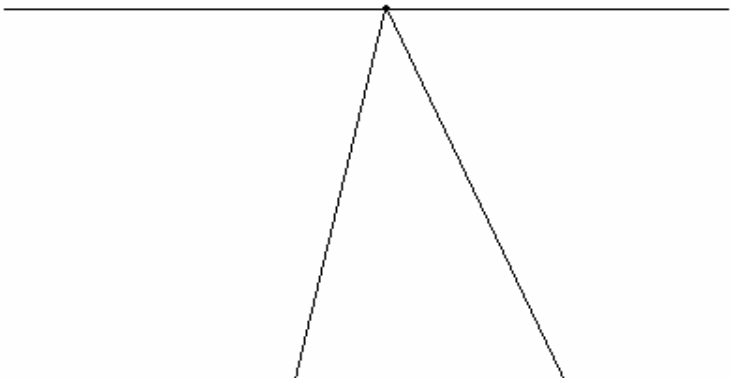
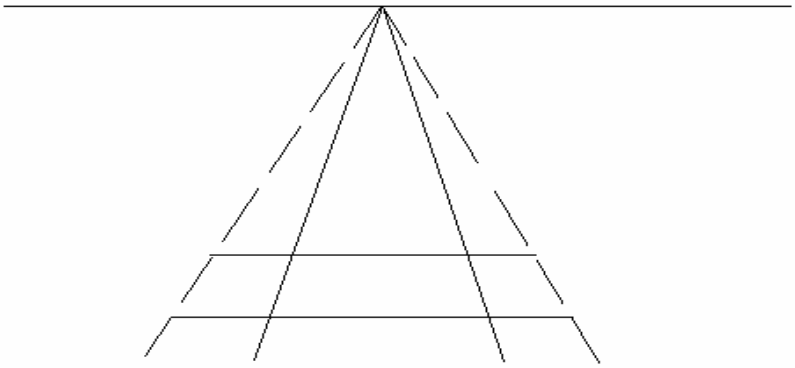
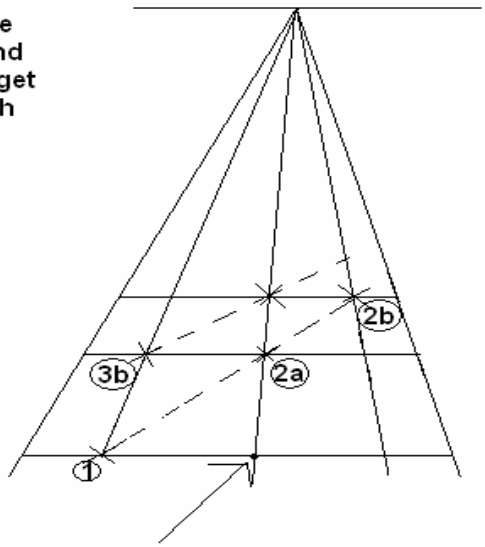
1. Start with a horizon line & a Vanishing Point. Add a set of parallel lines which go away from us. must meet at the V.P.



2. Guess where the 1st two cross ties go. Use horizontal lines. Hint: Run dotted lines from the outside edges of the 1st tie to the V.P. this will determine the length of all the rest of the ties.



When you're finished erase the dotted lines and x's, and the midpoint line. Dont forget to fall back to point 3b each time you do the 1-2-3 trick.



FIRST, Find the midpoint of the 1st tie. extend a line from the V.P. to the midpoint. (This line will be erased later.

SECOND, Find the placement for the rest of the ties by doing the 1-2-3 trick, as followed

1. Start at point 1 below this is where the 1st tie connects in the middle.
2a. lock for the point where this 2nd tie intersects with the midpoint line.
2b. line your ruler up between pairs 1 and 2a. run an imaginary line between those paints; extend it untilyou reach the righthand rail. this is point 2b.
3a. at point 2b run a horizontal line from the right nail to the left nail. this is point 2b
3b fall back to point 3b and repeat the abuse steps to place the nect tie.
continue the process until all the ties are placed