How to construct a Two-Point Perspective Grid

1. Draw a vertical line (MVL) to be a measuring line. Divide it into 8 (assume 8’ wall height) 1/2” increments. Draw a horizontal line (horizon line) through the 5’ mark on the vertical line.

2. Place 2 vanishing points on the HL, one near and one far from the MVL. To avoid too much distortion, I suggest you to place the closer points to be at least 2 x (wall height) away, least 4 x wall height on the other side. Then draw lines from each vanishing point through the top and bottom end points on the MVL. These lines create the floor and ceiling lines.

3. Estimate the depth of the room. Make the 2 walls look like sides of a cube.

4. Draw lines from each vanishing point through all increments on the measuring line. These lines locates 1’ increments along each wall.

5. Draw diagonals on each wall from the MVL bottom endpoint to the top right and top left corners of the wall. At the intersections of the diagonal line and each horizontal 1’ marker, draw a vertical line from the floor to the ceiling.

6. You may draw additional increments on top of the MVL and extend the diagonal line to create more intersections if you need more depth on the wall.

7. At the intersections of each vertical line and floor lines, draw lines from the vanishing points to create the floor grid.

8. The grid is completed. Use the grid and vanishing points to locate and estimate architectural elements as well as furniture.
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