

Directions for Creating a Scaled Room Diagram

Materials Needed:

- Ruler and Straight Edge
- Graph Paper
- Pencil
- Scotch Tape

Use the graph paper provided to create your scale model. Tape as many pieces of graph paper together that you need to accommodate the size of your room.

Refer to your “How to Measure Your Room” handout for measurements. You will be drawing your room from the top-down perspective.

- I. Using the FLOOR & CEILING DIAGRAM
 1. Start by drawing the perimeter of the room as close to $\frac{1}{4}$ " using the Full Width and Full Length measurements. Typically, walls are at 90 degree angles to each other. Be sure to draw your lines at right angles to each other. If you have an angled wall in your room, please reserve drawing in that wall to last.
 2. Draw in the thickness of the walls by drawing another line ($4\frac{1}{2}$ " $1\frac{1}{4}$ squares (1 square = 4") outside the lines you just drew
 3. Draw in any obstructions that jut into the room using your measurements.
- II. Using the WALL DIAGRAMS. Work one wall at a time
 - I. WALL 1
 1. Starting from the right corner of this wall, make a mark at the distance along the interior wall perimeter line you just drew in step 1 where the first opening begins using the Opening to the right measurement.
 2. Make another mark at the distance where the opening ends.
 3. If there are no other openings, confirm that the remaining distance is equal to the "Opening to the left" measurement.
 - a) *If there is another opening, make another mark at the distance from the first opening to the second opening which is the 2nd opening to the right measurement.*
 - b) *Make another mark at the distance where the opening ends.*
 - c) *If there are no other openings, confirm that the remaining distance is equal to the "Opening to the left" measurement.*
 4. Color in the section of wall between the two marks demarking the width of each opening.
 5. Draw in the door swing to show whether the door opens inward or outward and whether it is left to right or right to left.
 - II. WALL 2-6 Repeat steps I.1-3
 - III. Mark the location of electric outlets in the approximate positions along each wall using your measurements
 - IV. Write "HVAC" at the location along the wall where the vents are located.

STEP 2: Mark traffic patterns/walkways with black arrows just like we did in the sample living room. Each arrow should be a straight line from one doorway to another. If the doorway is a closet and seldom used, it still needs flow in and out but it can be more easily adjusted than the main traffic flow. This can be done later when placing the furniture.

