

ASSIGNMENT 2.1

INSTRUCTIONS:

Step One:

1. Begin the assignment by taking nine length measurements of various movements of your body in a space (i.e. bedroom, kitchen, living room etc.). This set of measurements should have some type of conceptual alignment such as a series of actions, or distances from the eye to the end of an appendage while performing an action. Record each dimension.

2. Repeat this process for three separate spaces, and record the dimensions in a chart similar to the one on the left.

3. Apply an appropriate scale factor so that each dimension is less than 3".

4. Round each dimension to the nearest 1/2" increment.

Step Two:

Draw three 3" x 3" squares, with subdivisions on each edge for every 1" to create nine smaller squares. These should be drawn with the lightest pen weight with a 1/8" dashed line.

Step Three:

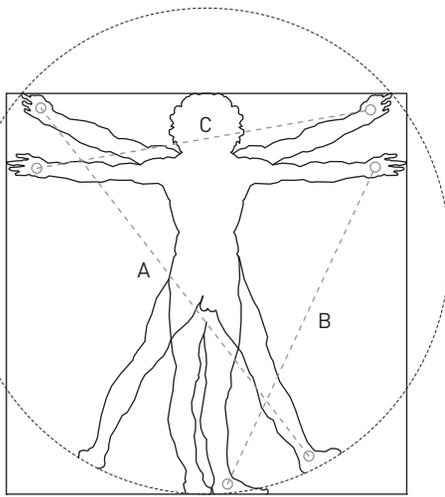
Continue to subdivide each square in 1/2" increments in the X and Y direction. This series of lines should be drawn as a solid line with the same pen used in Step Two.

Step Four:

Using the dimensions from the first space, create a composition of lines with each line segment falling on the grid lines of your square drawings. Each of the three drawings should have a different composition; do not repeat any drawing. You can use the length as a distance.

Repeat:

Repeat this process two more times, measuring your body while performing different actions in different spaces. The result should be a list of three spaces with a total of 27 dimensions, represented as nine square drawing compositions. Once you have completed all of the drawings, move on to Assignment 2.2.



DIMENSION LIST:

SPACE 1 (Movement 1)

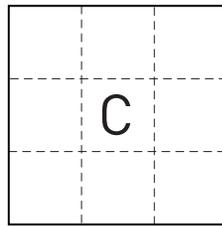
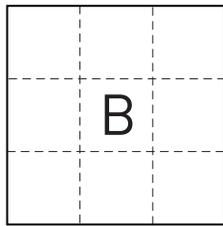
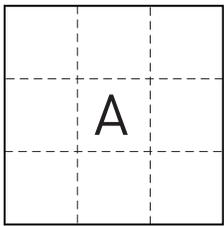
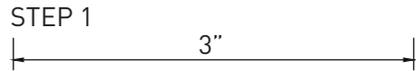
A. 82" -----1/40-----> 2.05" ----- (ROUND)-----> 2"
 B. 48" -----1/40-----> 1.20" ----- (ROUND)-----> 1"
 C. 66" -----1/40-----> 1.65" ----- (ROUND)-----> 1.5"

SPACE 1 (Movement 2)

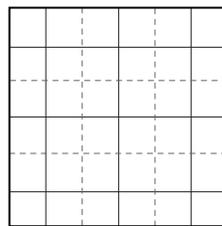
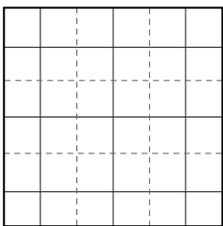
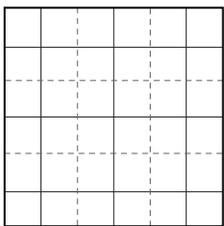
A. 74" -----1/40-----> 1.85" ----- (ROUND)-----> 1.5"
 B. 63" -----1/40-----> 1.57" ----- (ROUND)-----> 2"
 C. 42" -----1/40-----> 1.05" ----- (ROUND)-----> 1.5"

SPACE 3 (Movement 3)

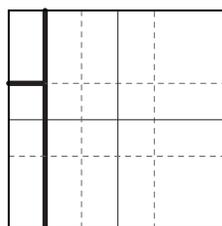
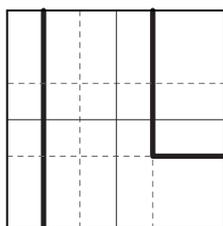
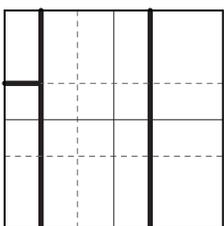
A. 53" -----1/40-----> 1.32" ----- (ROUND)-----> 1.5"
 B. 38" -----1/40-----> 0.95" ----- (ROUND)-----> 1"
 C. 49" -----1/40-----> 1.22" ----- (ROUND)-----> 1.5"



STEP 2



STEP 3



STEP 4

MIT OpenCourseWare
<http://ocw.mit.edu>

4.111 Introduction to Architecture & Environmental Design
Spring 2014

For information about citing these materials or our Terms of Use, visit: <http://ocw.mit.edu/terms>.