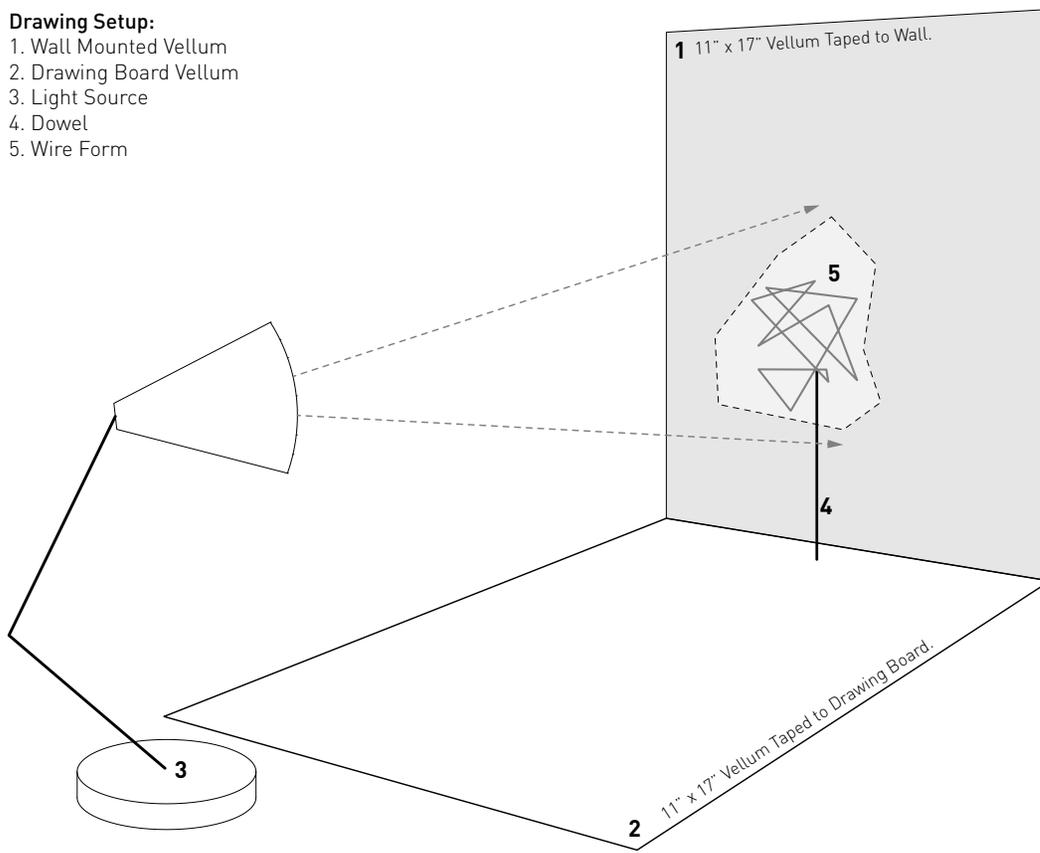


### Drawing Setup:

1. Wall Mounted Vellum
2. Drawing Board Vellum
3. Light Source
4. Dowel
5. Wire Form



## ASSIGNMENT 1.2

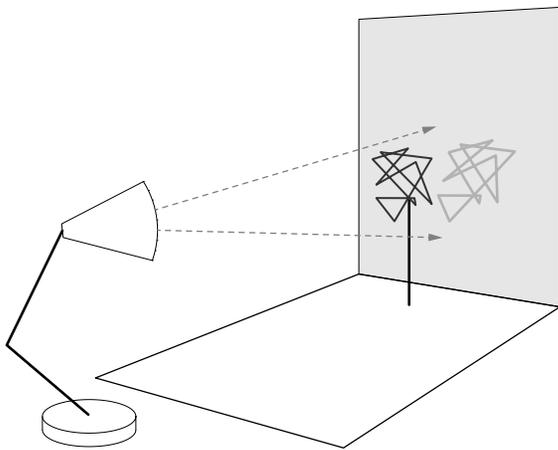
### INSTRUCTIONS:

#### Step One:

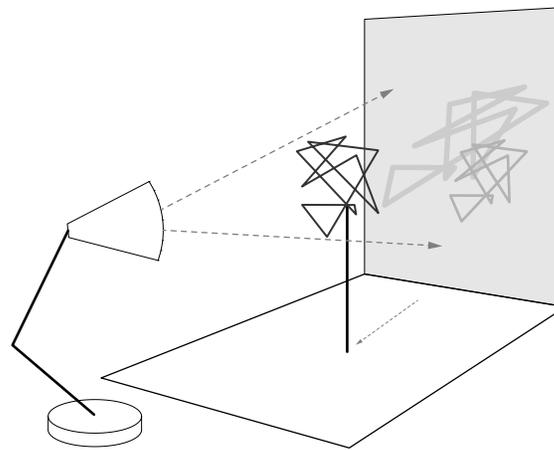
1. Begin by attaching two sheets of 11" x 11" vellum to your drawing board and a nearby wall, perpendicular to each other as shown.
2. Locate a desk lamp or other directional light source as a specific point relative to the vellum. DO NOT MOVE THE LIGHT SOURCE AFTER THIS STEP.
3. Place the wire form up against the vellum attached to the wall - until it touches.
4. Using a pencil lightly trace the shadows produced. Do not abstract or reduce the shadows. Draw them exactly as they appear.
5. Translate the rule you developed for bending the wire into a 'choreography' of movements, shifts and rotations.
6. In three stages, move the form away from the wall along the choreographed path.
7. At each stage, trace the shadow that is produced on the vellum and notate the movements and rotations of the forms on the vellum below.

#### Step Two:

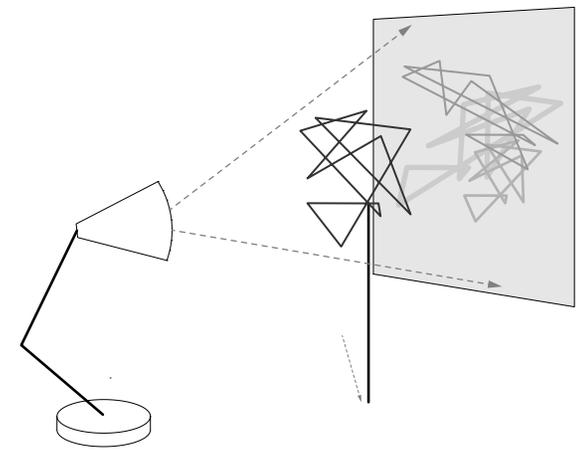
1. Once you have finished tracing the shadows, remove the vellum from the wall and attach it to your masonite drawing board. Place a blank sheet of vellum on top and using your black micron pens, re-draw the tracing. While re-drawing the tracing you should use a straight edge and other tools to accurately reproduce the straight lines and filleted corners produced by the shadows. Note that each position has produced shadows of differing widths; this should be reflected in the line weight used for each position. The resulting re-tracing should clearly show three different line widths: fine, medium and heavy. The re-tracing should be precise and well-crafted.



Stage One: Fix Light Source and Trace Shadow



Stage Two: Notate Movement and Trace Form



Stage Three: Notate Movement and Trace Form

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>.