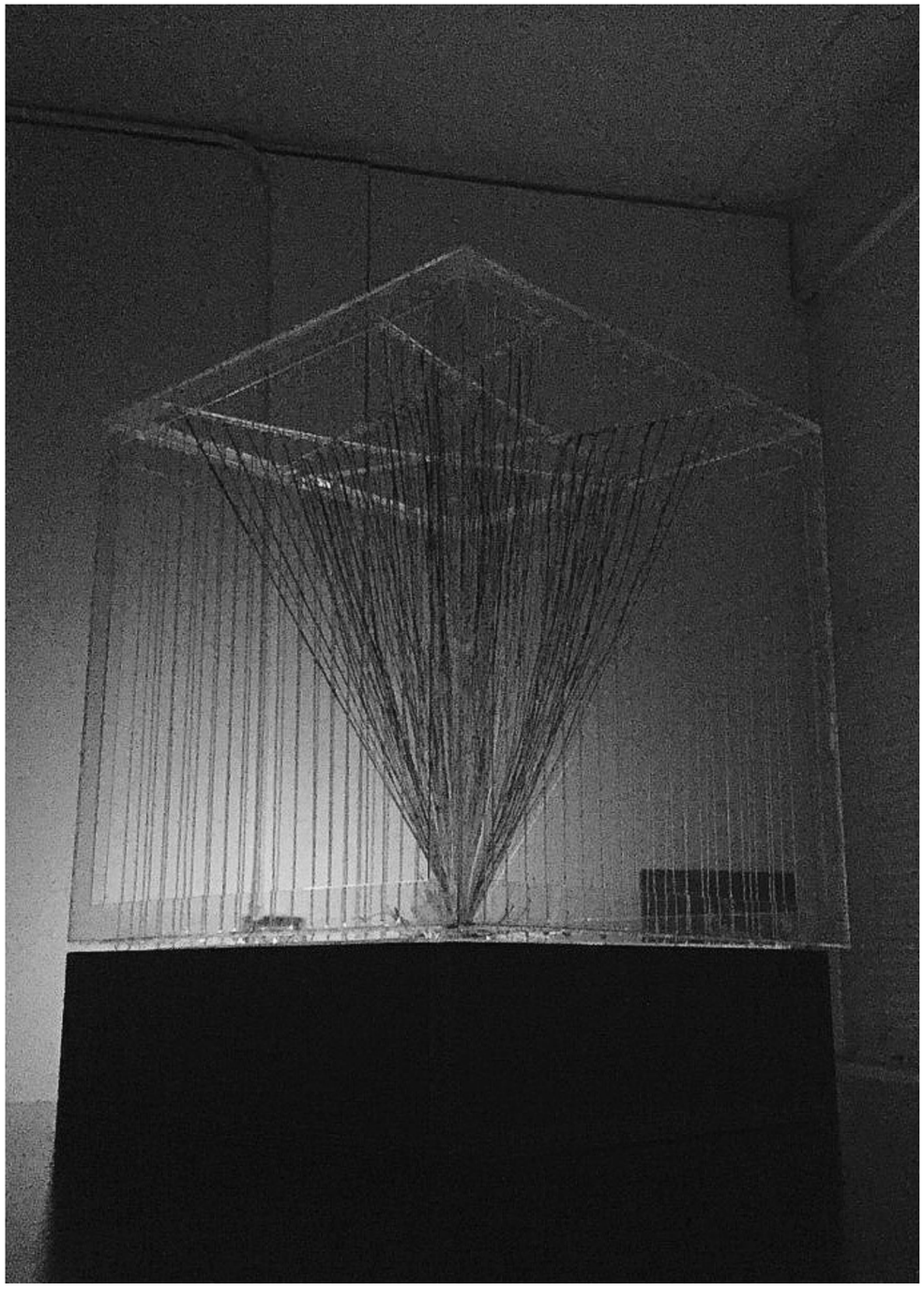

STRING SCUPLTURE

SHAIKHA ALDUWAISAN

YEPING CAO

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STUDY MODEL

INSTALLATION PARTS

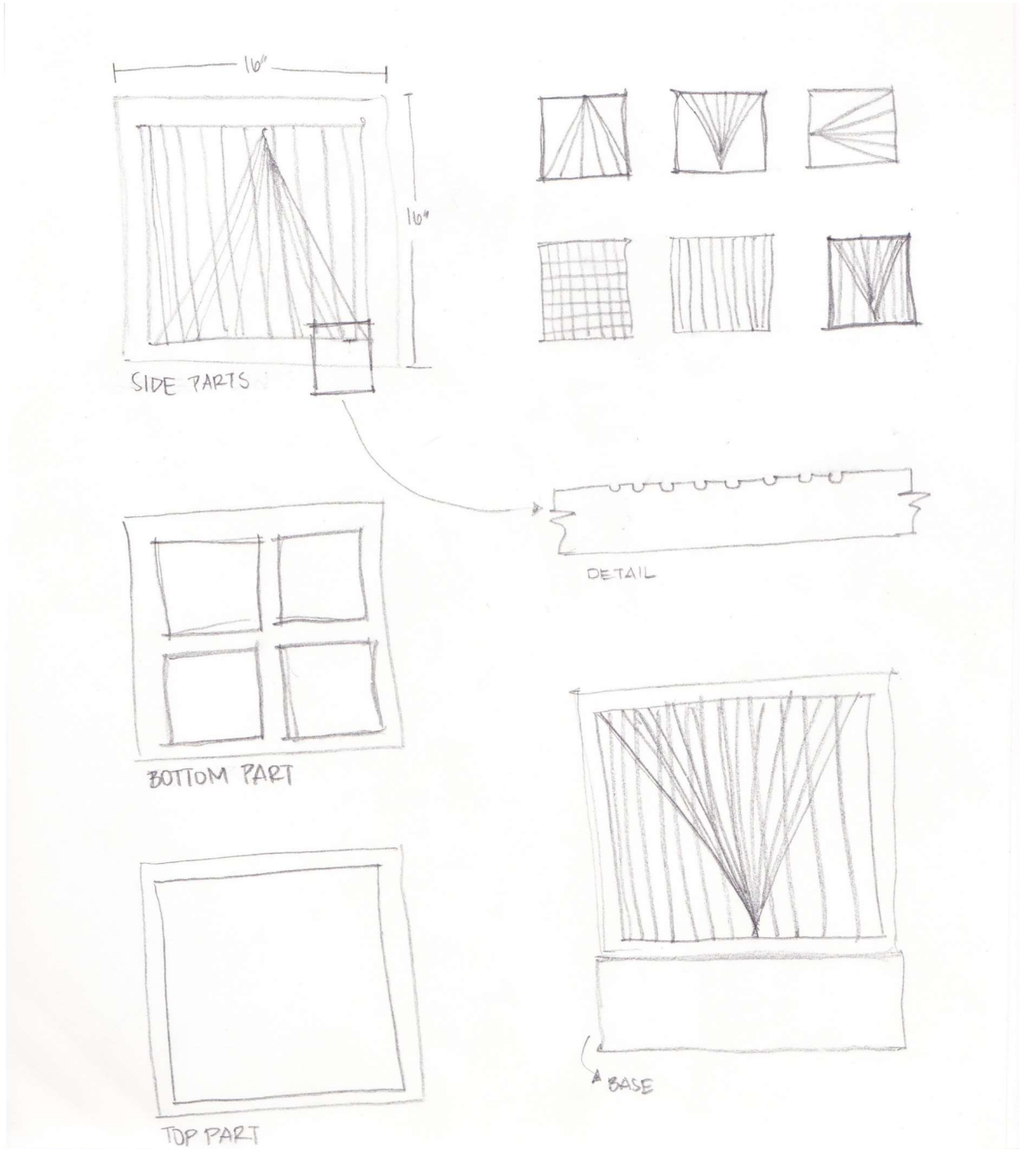
-SOUND BOX SPEAKER

-LED LIGHT STRIP

-ARDUINO BOARD

-BREAD BOARD

-SOUND RESPONSIVESENSOR



SKETCHES

ARDUINO CODE

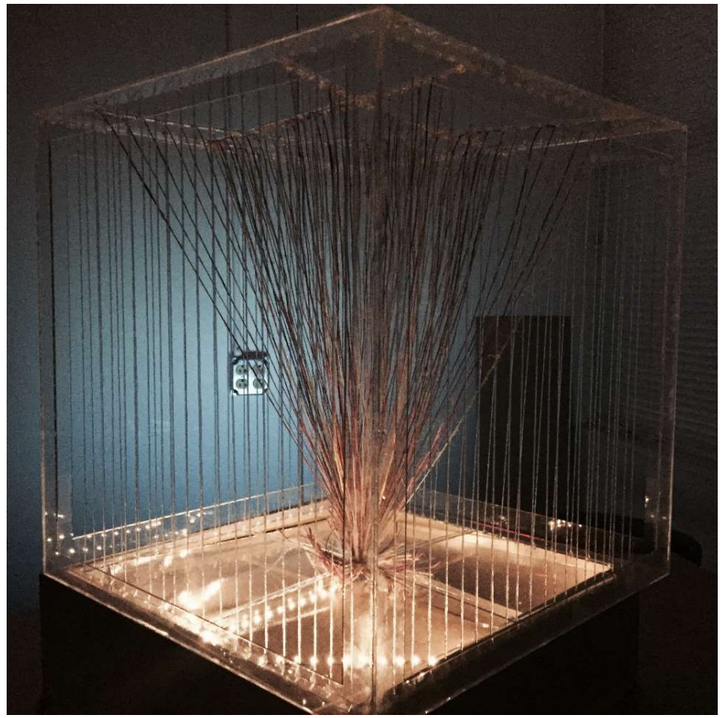
File Edit Sketch Tools Help

final_project_park_2

```
void setup() {
pinMode(A0, INPUT);
pinMode(9, OUTPUT);
Serial.begin(9600);
}
void loop() {
int sensorValue = analogRead(A0);
Serial.println(sensorValue);
int mapValue = map(sensorValue, 29, 19,0, 255);
int constValue = constrain(mapValue, 0, 255);
analogWrite(9, constValue);
delay(100);
}
```

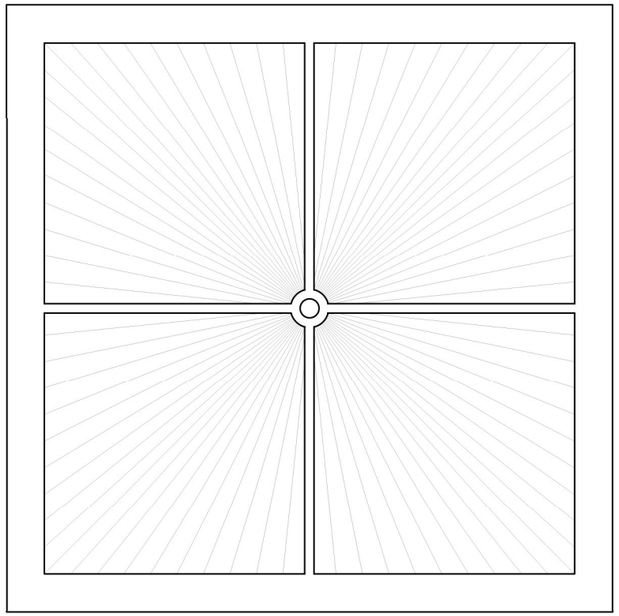
Arduino/Genuino Uno on COM3

FINAL MODEL PICTURES

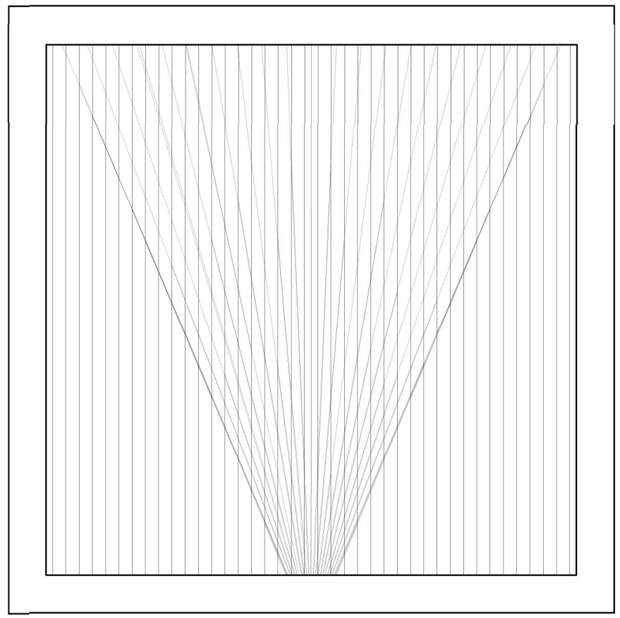


STRING STRUCTURE DRAWINGS

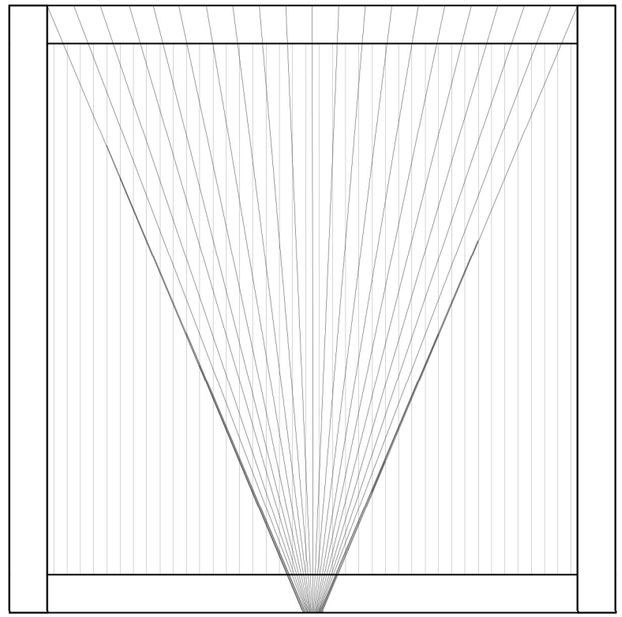
SCALE: 3”=1’-0”



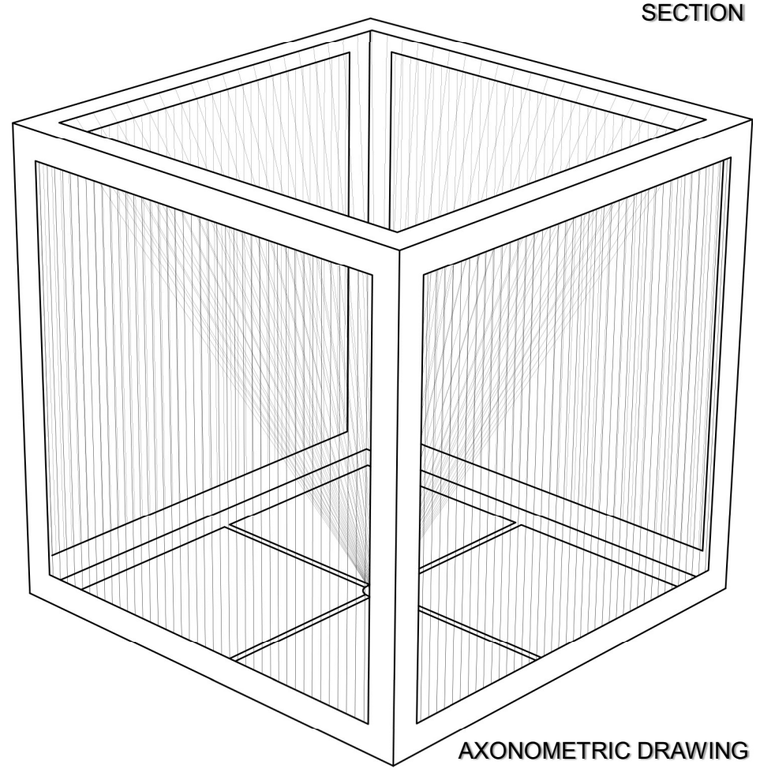
PLAN



ELEVATION



SECTION



AXONOMETRIC DRAWING