

PRACTICE: WEEK 6

Q with shield : Q without shield $\times 0.01$

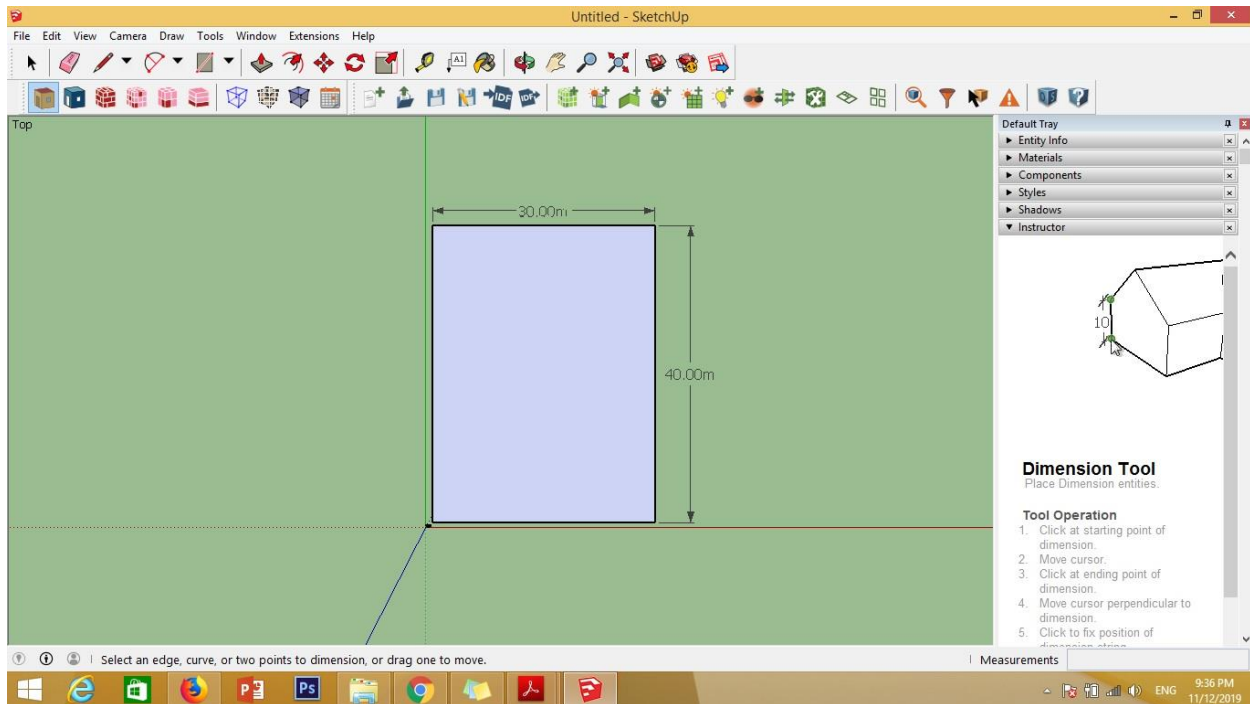
$$\frac{\sigma(T_1^4 - T_2^4)}{\left(\frac{1}{\epsilon_1} + \frac{1}{\epsilon_2} - 1\right) + n\left(\frac{1}{\epsilon_{3-1}} + \frac{1}{\epsilon_{2-1}} - 1\right)} = 0.01 \times \frac{\sigma(T_1^4 - T_2^4)}{\left(\frac{1}{\epsilon_1} + \frac{1}{\epsilon_2} - 1\right)}$$

$$5,42 + 19n = 542$$

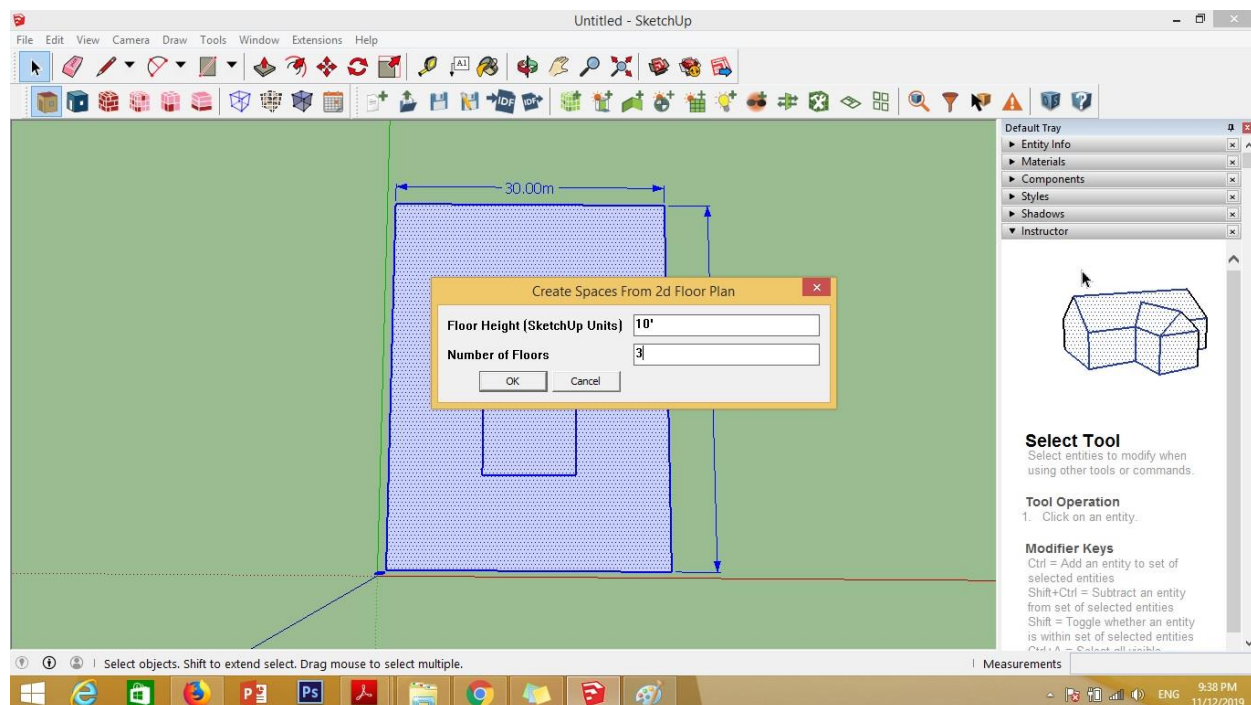
$$\left(\frac{1}{0.2} + \frac{1}{0.7} - 1\right) + n\left(\frac{1}{0.1} + \frac{1}{0.1} - 1\right) = 100 \times \left(\frac{1}{0.2} + \frac{1}{0.7} - 1\right)$$

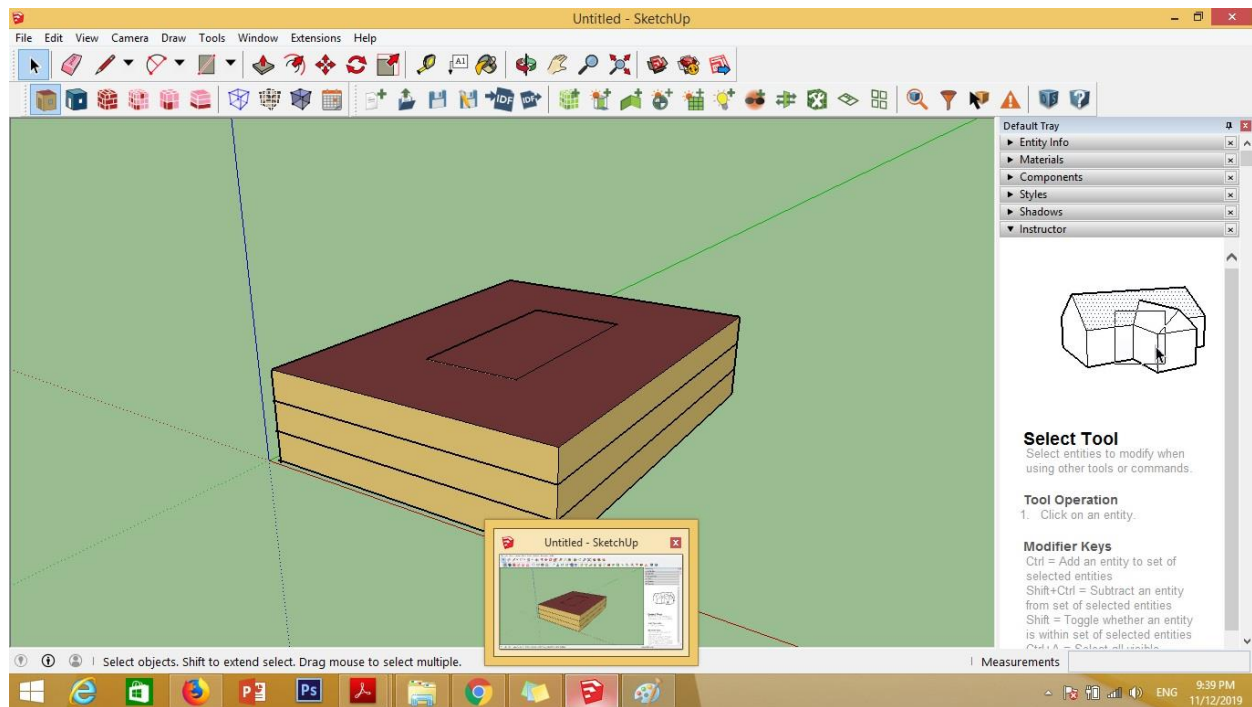
$$\Rightarrow n = 28,24 \approx 29$$

We draw the rectangle a 30*40 Then create another rectangle inside and we offset for 10cm finally connect the edges with 4 lines.

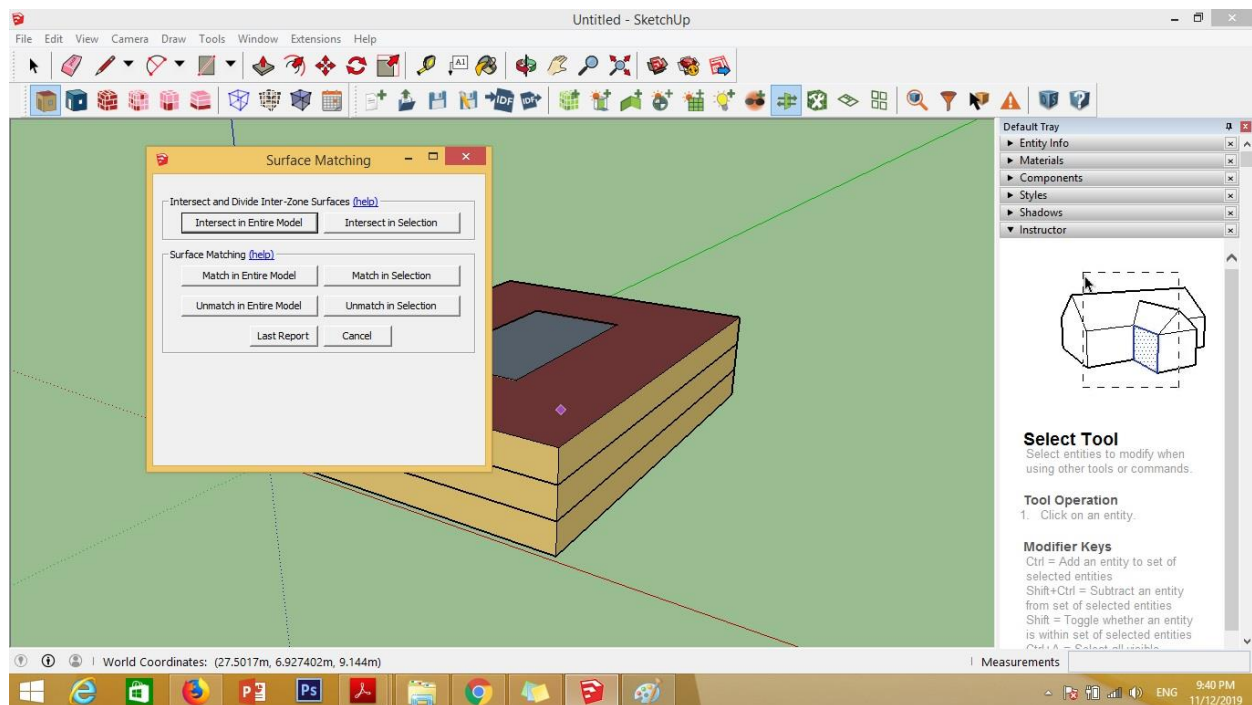


Then we click on diagram to add stories

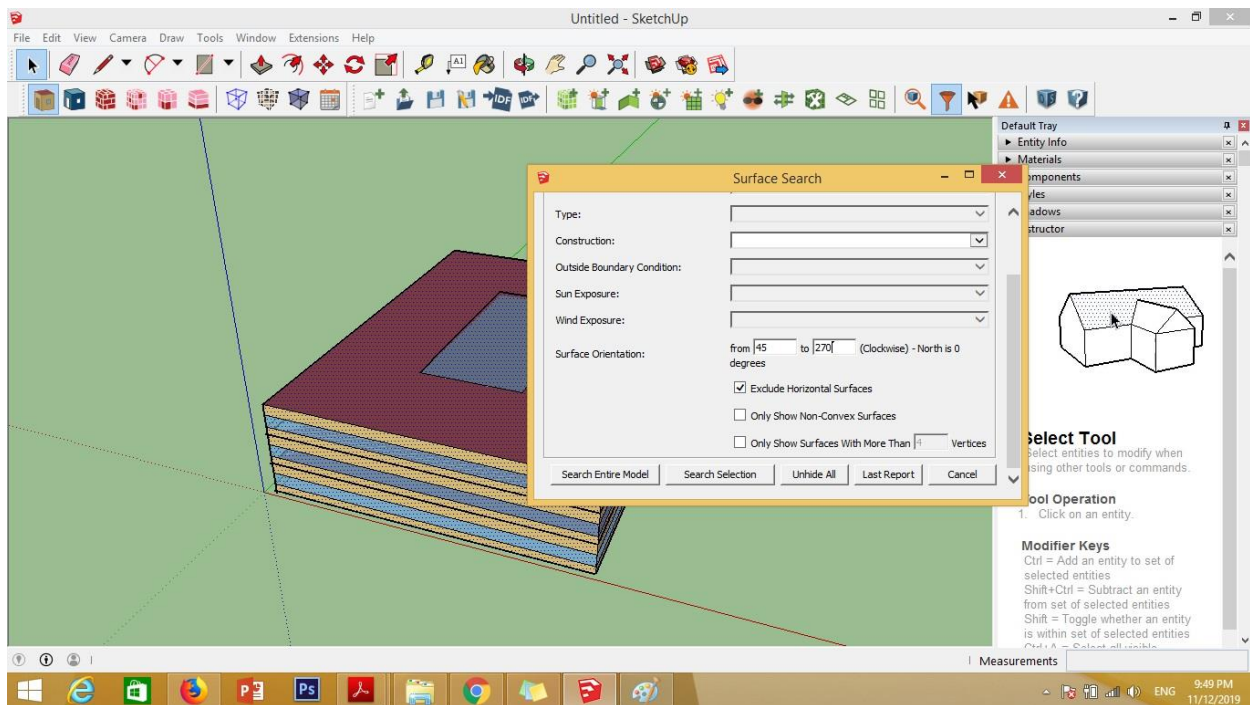
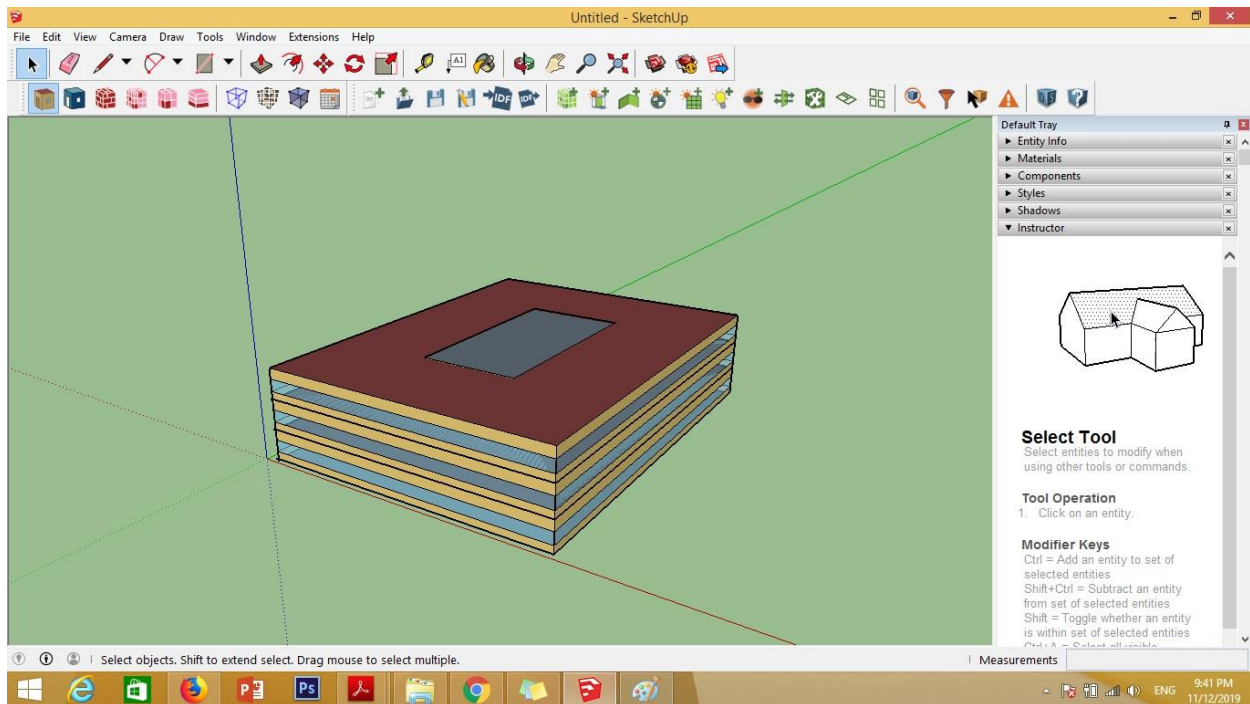


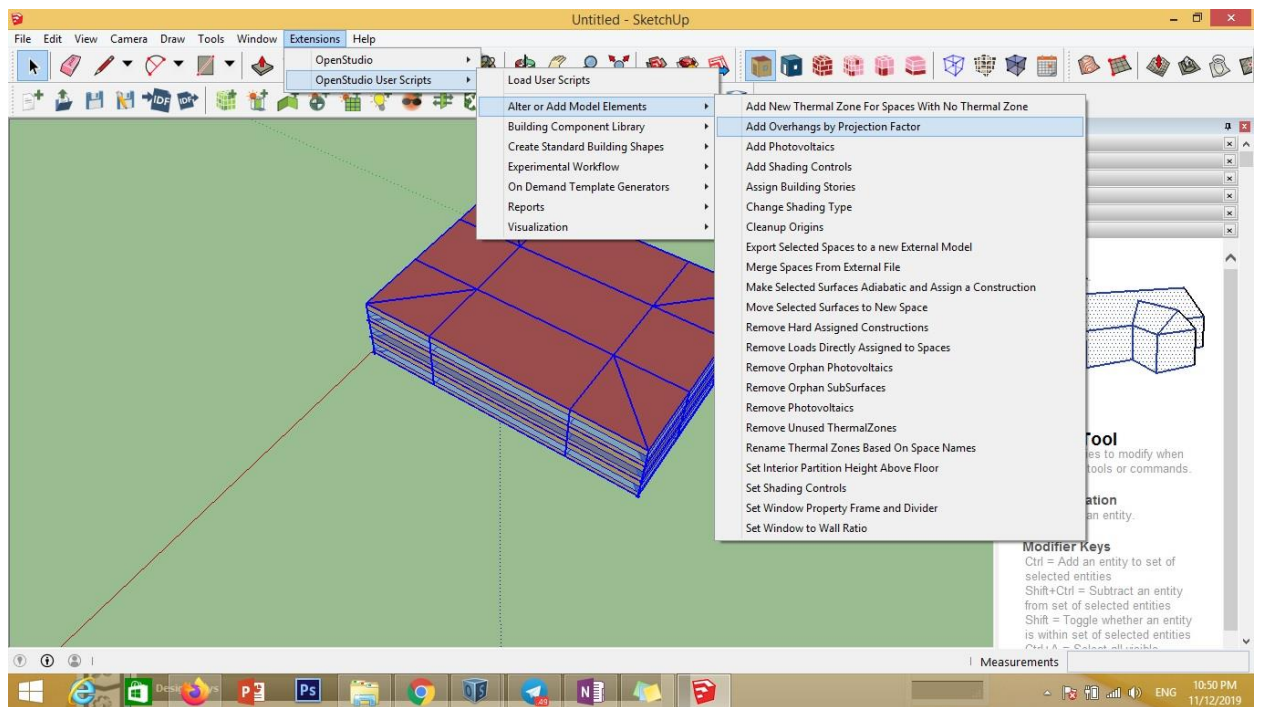
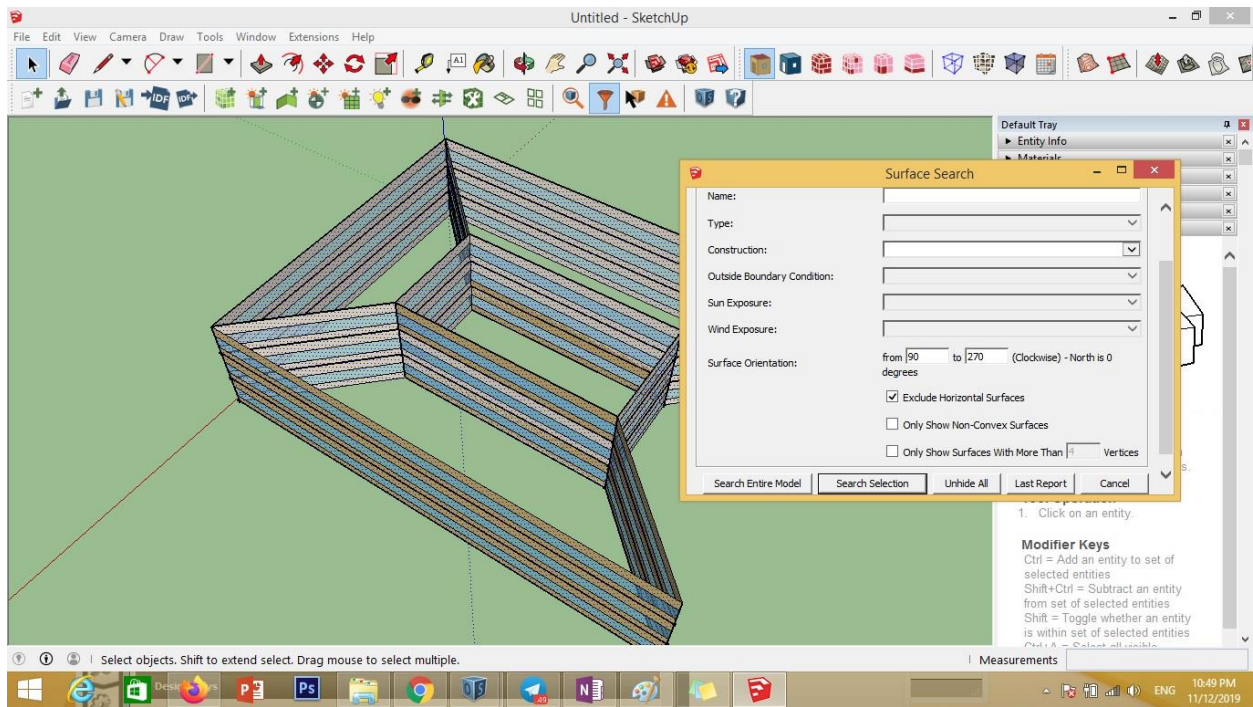


After that we should match the surfaces

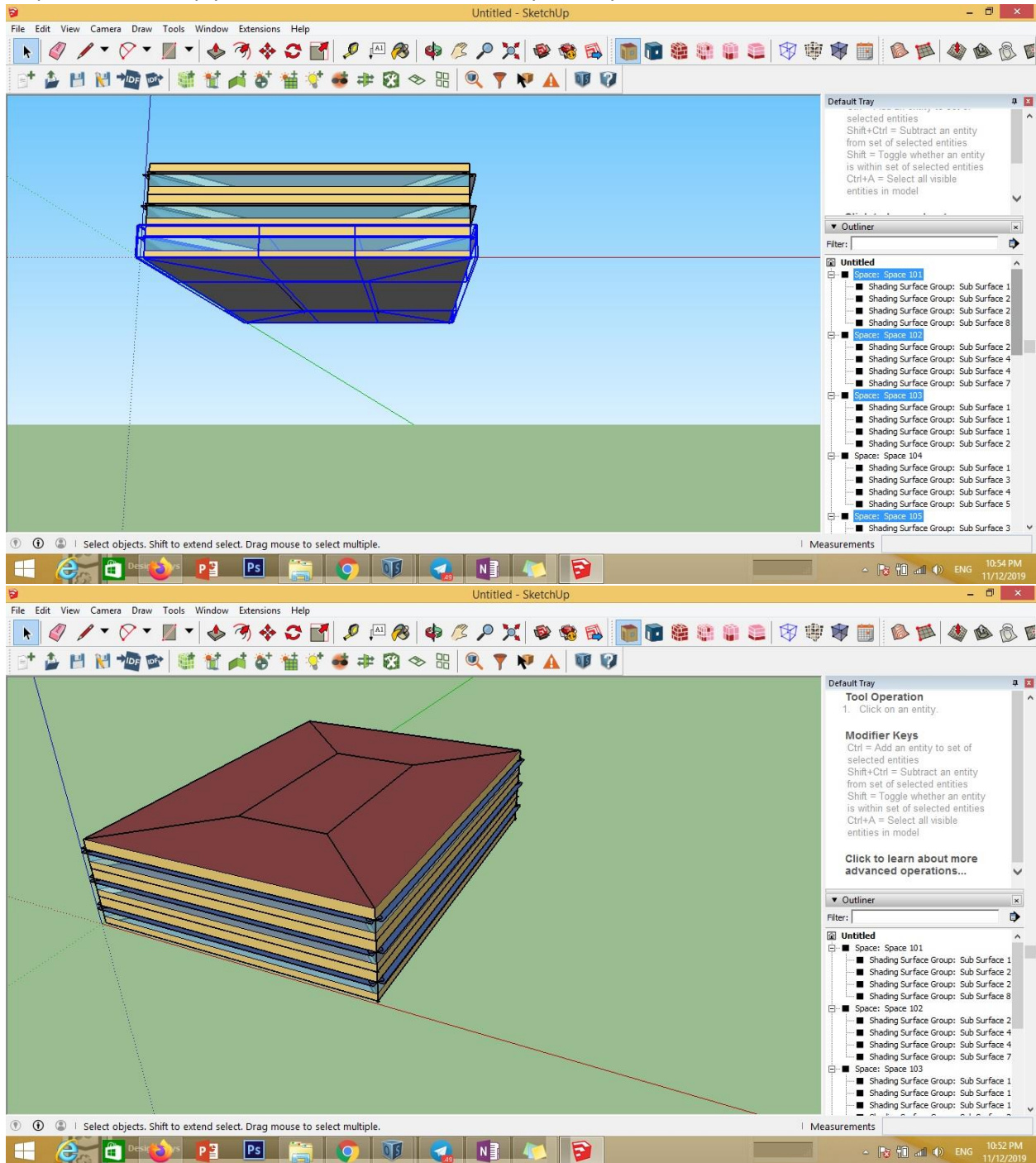


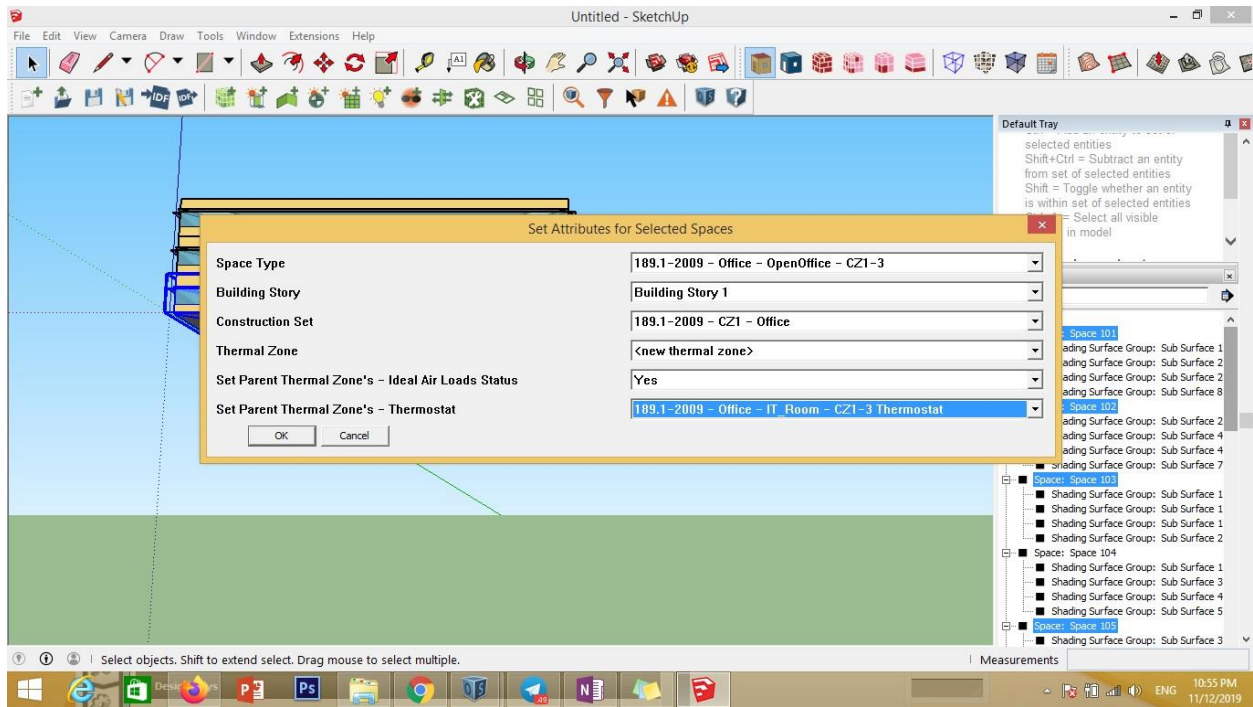
For windows:



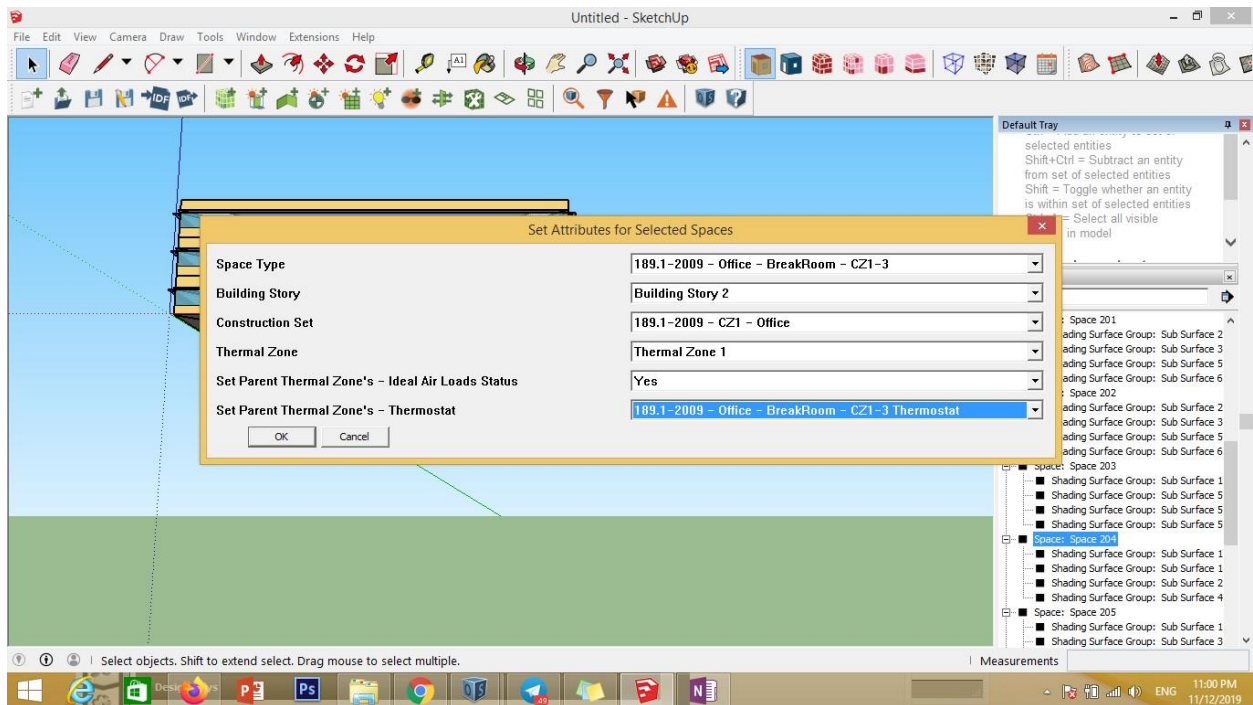


To perform this step you will need to have outliner in your tray





For each floor we should do it



Then we open openstudio from the sketch up and add Piacenza weather on it

