

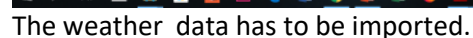
Tuesday, November 19, 2019 9:58 PM

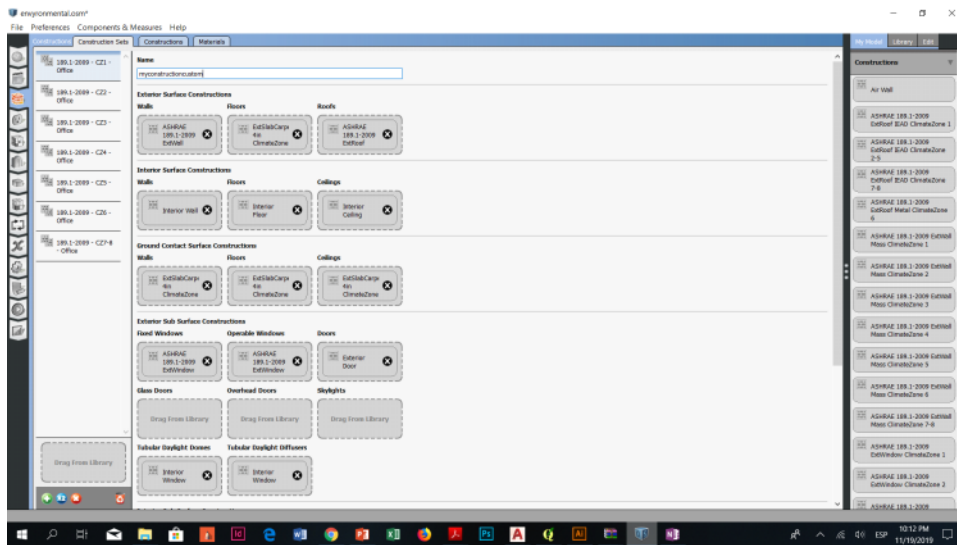
Task 1. Provide a summary of the main concepts that went through about solar radiation (formulas are not needed)

An electromagnetic energy emitted by the sun (5778K); this energy does not reach the earth's surface constantly, its amount varies during the day, from season to season and depends on the cloudiness, the angle of incidence and the reflectance of the surfaces. The radiation that a m^2 of a horizontal surface receives is known as global radiation and is the result of the sum of direct, diffuse and reflected radiation.

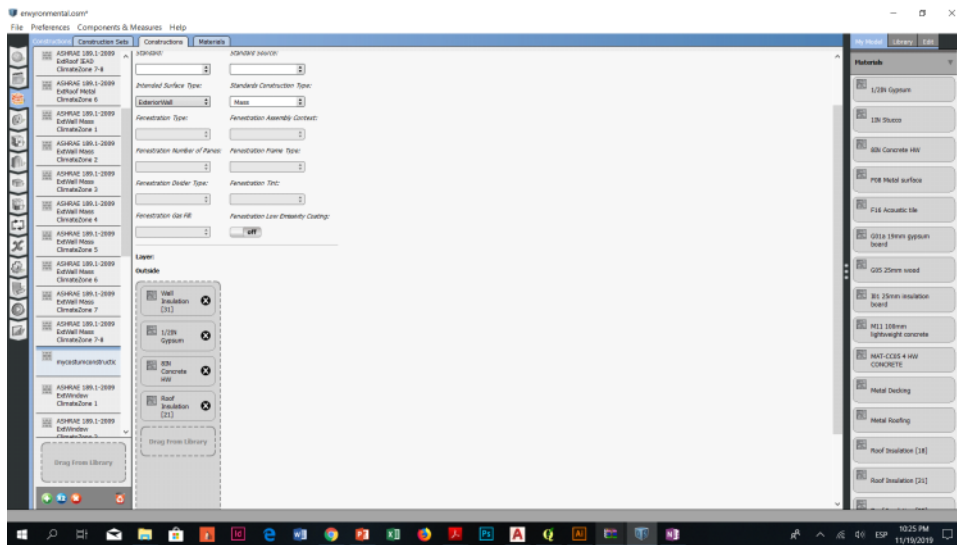
The reflected radiation is that reflected by the earth's surface. The amount of radiation depends on the reflection coefficient of the surface. On the other hand, horizontal surfaces do not receive any reflected radiation, because they do not "see" terrestrial surface, while vertical surfaces are the ones that receive the most.

Task 2. Create a pdf file with screenshots of all of the steps we went through in the second lesson on openStudio and explain briefly the reason behind the use of each step (in your own words!)

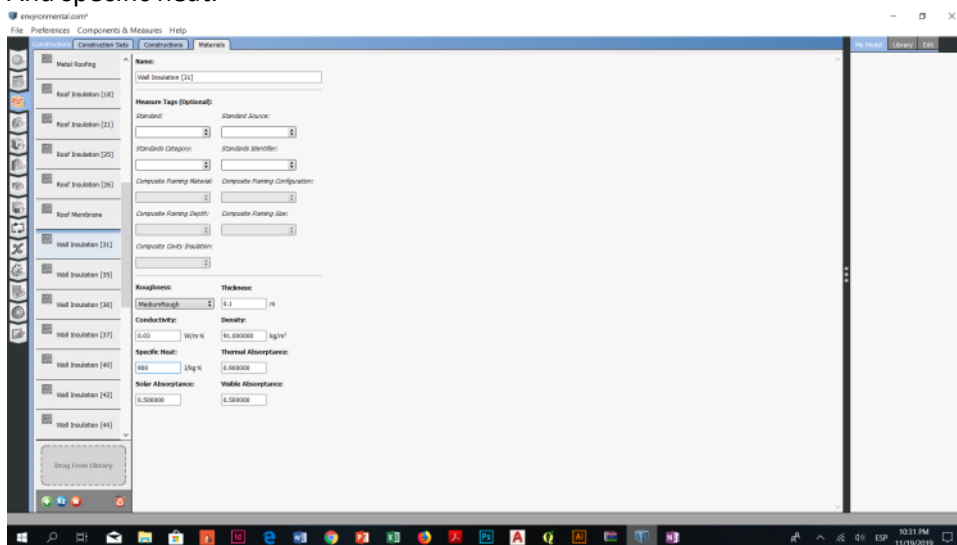




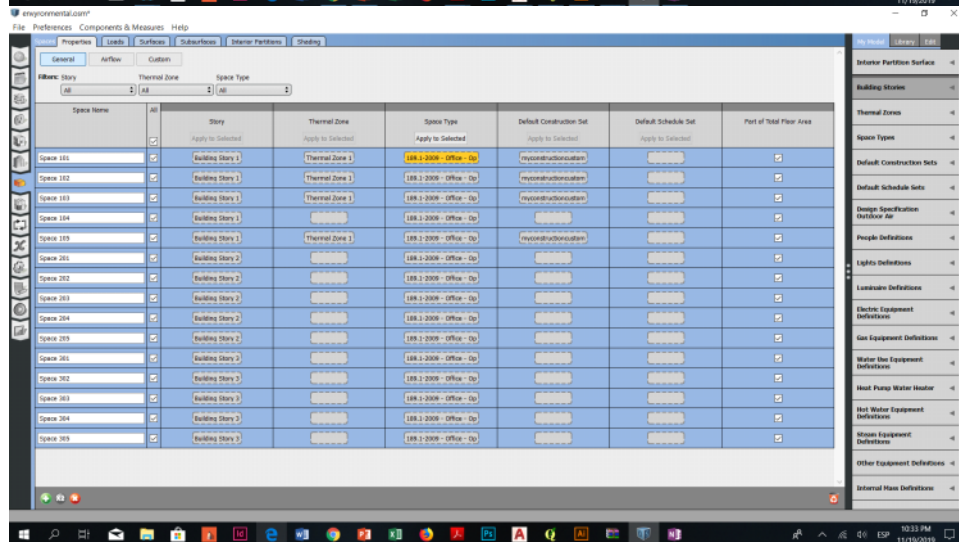
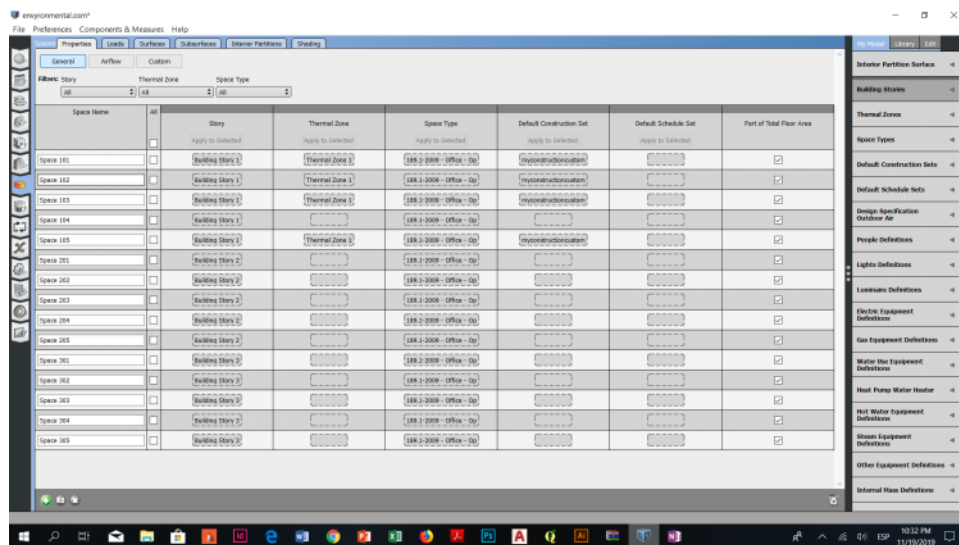
We create a new construction custom and choose the materials.



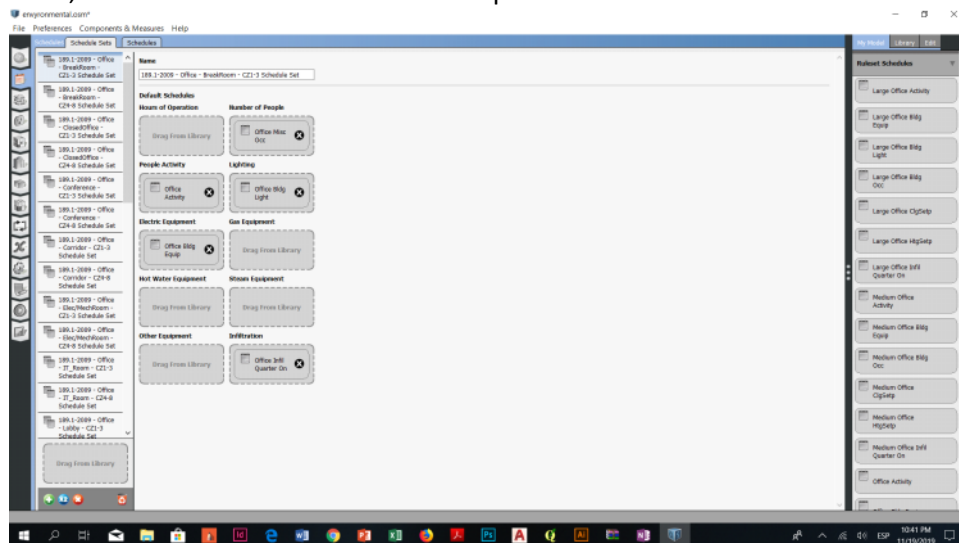
Then, we change the correct data of conductivity, density, thermal absorptance, solar absorptance, And specific heat.



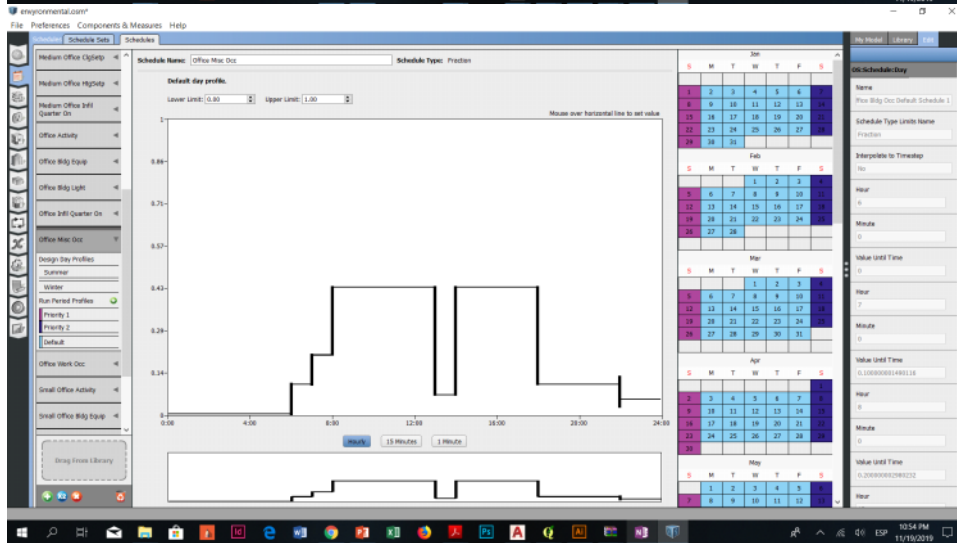
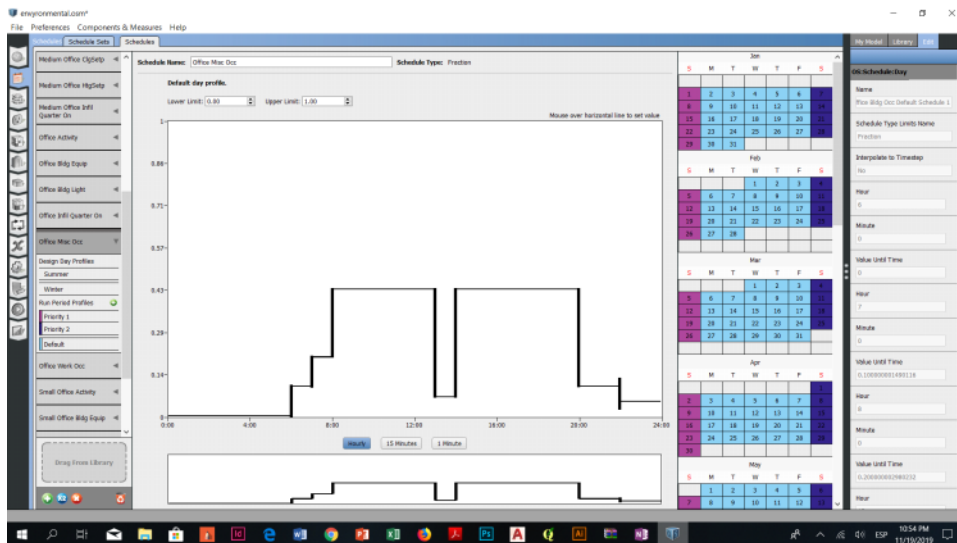
Then, we go to spaces to select the space we want to modify the data



Then, we choose the schedule that this space will have in the future.



We can modify the hours of occupation of the space in this part



Then we can add a schedule in the different priorities.

