

## Task 1

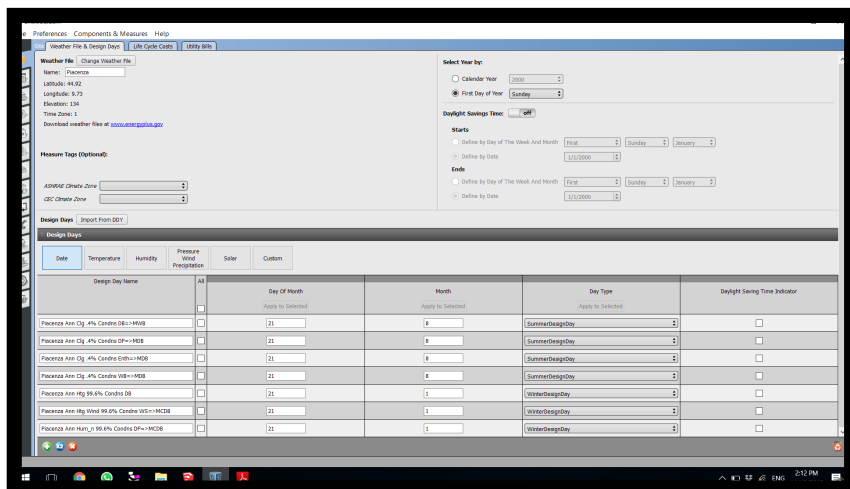
Provide a summary of the main concepts that went through about solar radiation (formulas are not needed)

The Solar radiation is radiant energy. Energy emitted by the Sun is also referred to as Solar or Shortwave Radiation. Most of Solar Radiation is the visible light we see with our eyes (Sunlight), but it also includes wavelengths that we cannot see like the Ultraviolet Rays that causes sunburn. Solar radiation entering the Earth's atmosphere is absorbed and scattered by atmospheric gases, aerosols, clouds, and the Earth's surface. Solar radiation absorbed by any surface is given by the product of how much solar energy is incident on that surface, depending on the direction of the Sun and the orientation of the surface relative to this direction, and the fraction of that incident radiation that is absorbed.

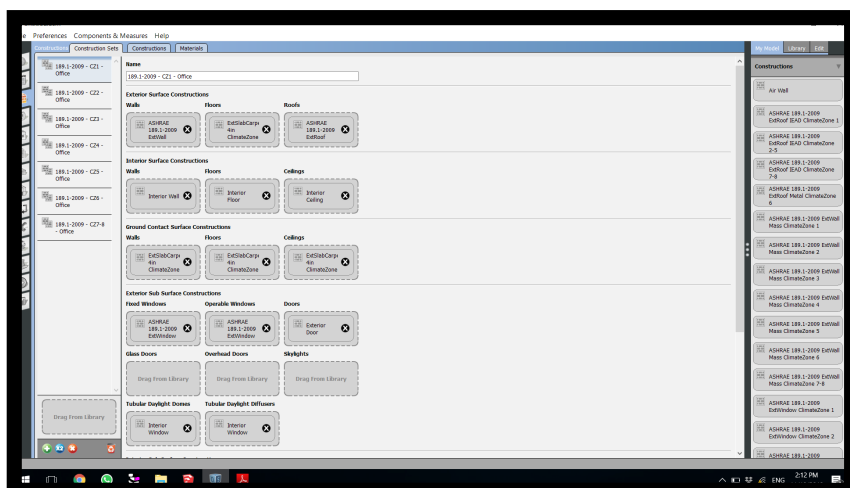
## Task 2

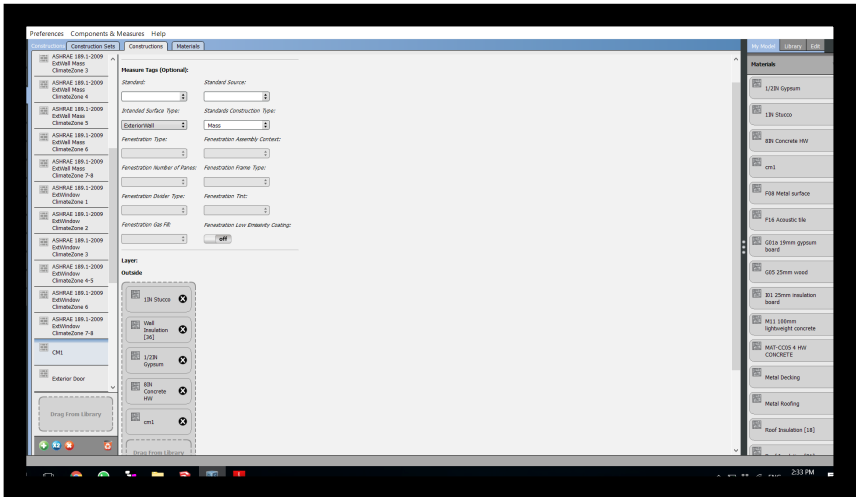
create a pdf file with screenshots of all of the steps we went through in the second lesson on openStudio and explain briefly the reason behind the use of each step (in your own words!)

### Importing weather data

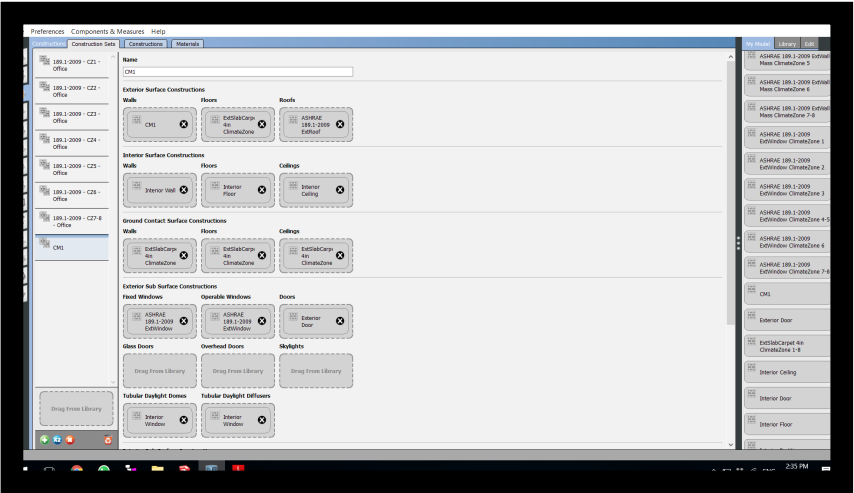


### create a new custom construction set

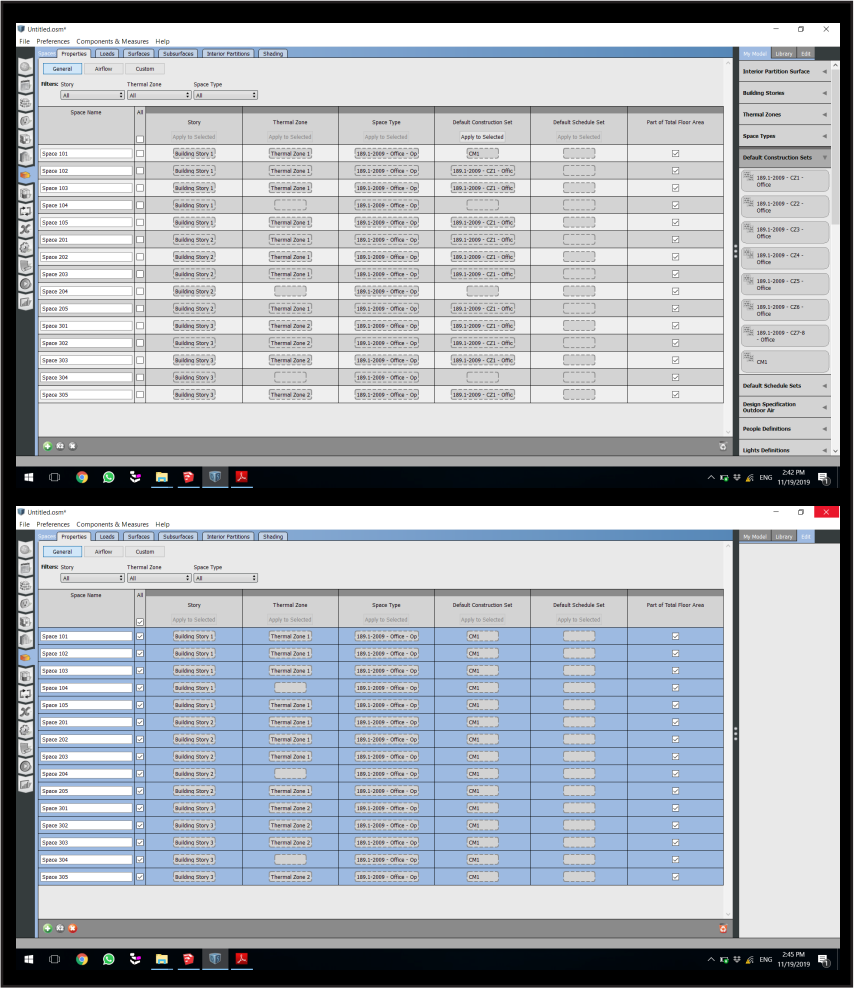


[illegible]

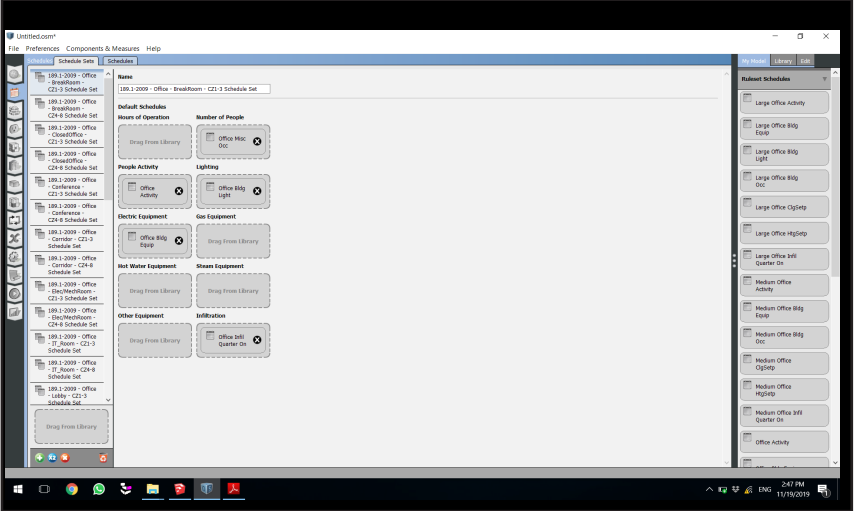
Adding the custom construction in wall construction set.

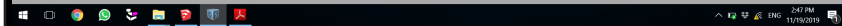


Apply the “Custom construction set” to all the layers



Customizing schedule set





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