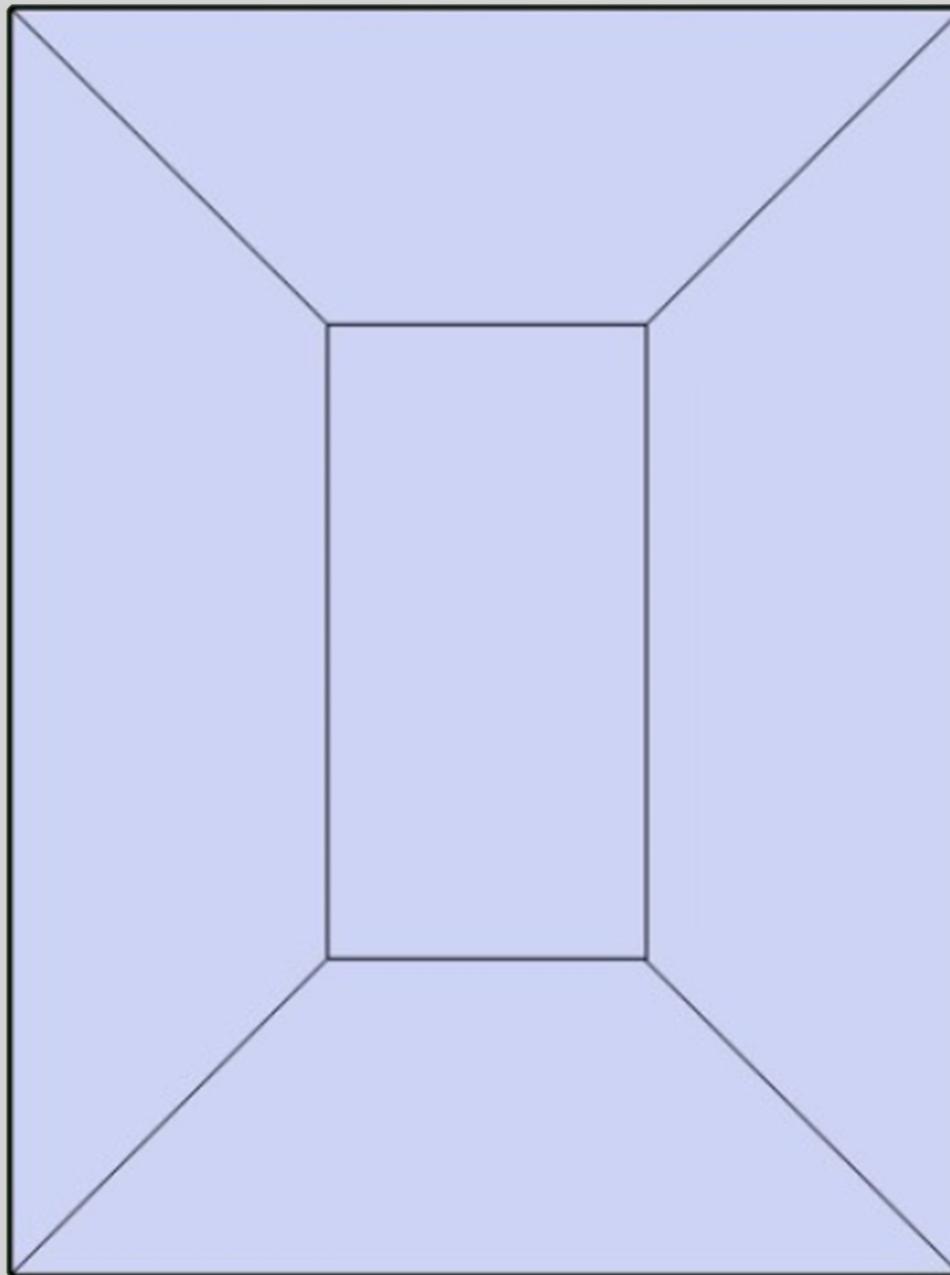
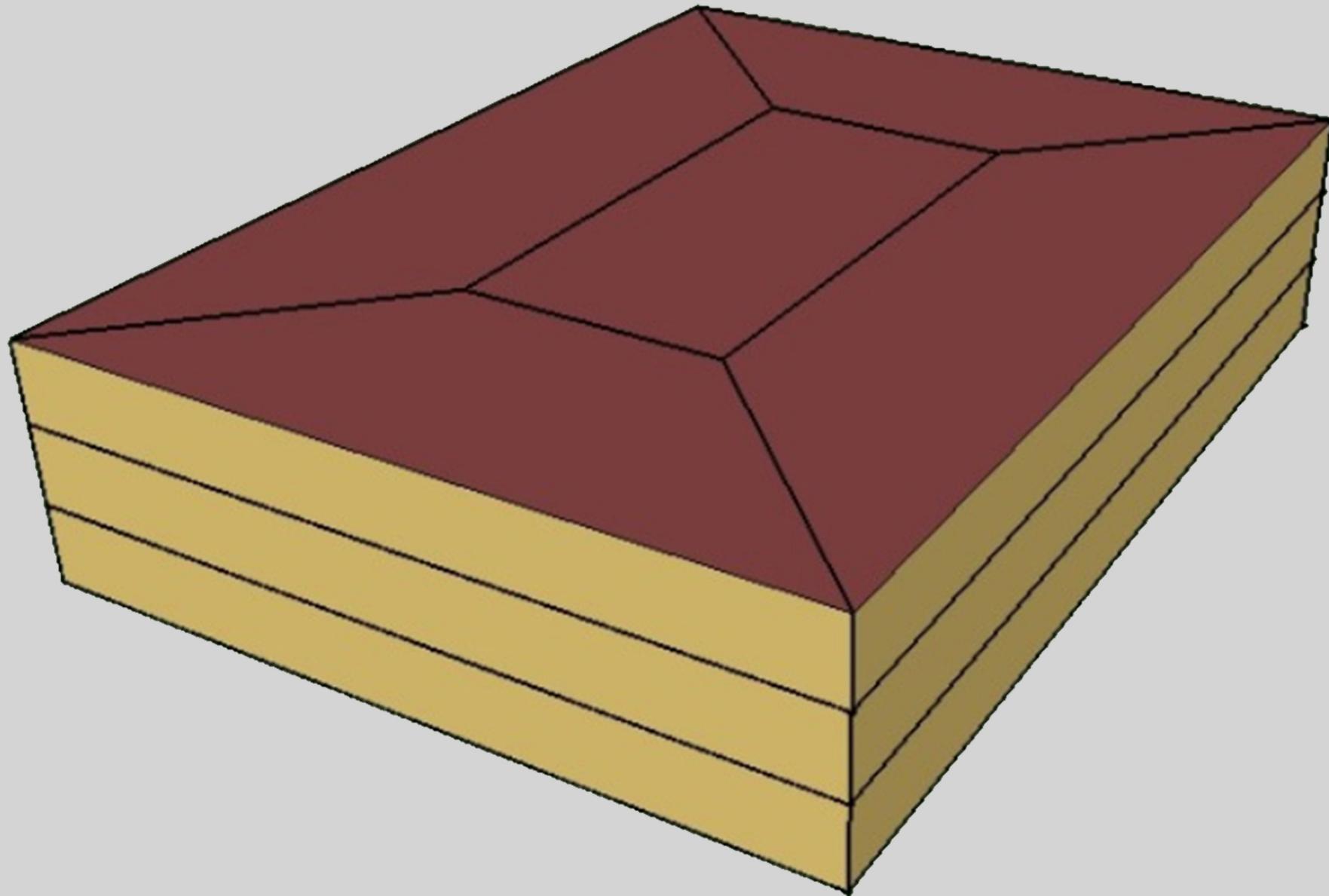


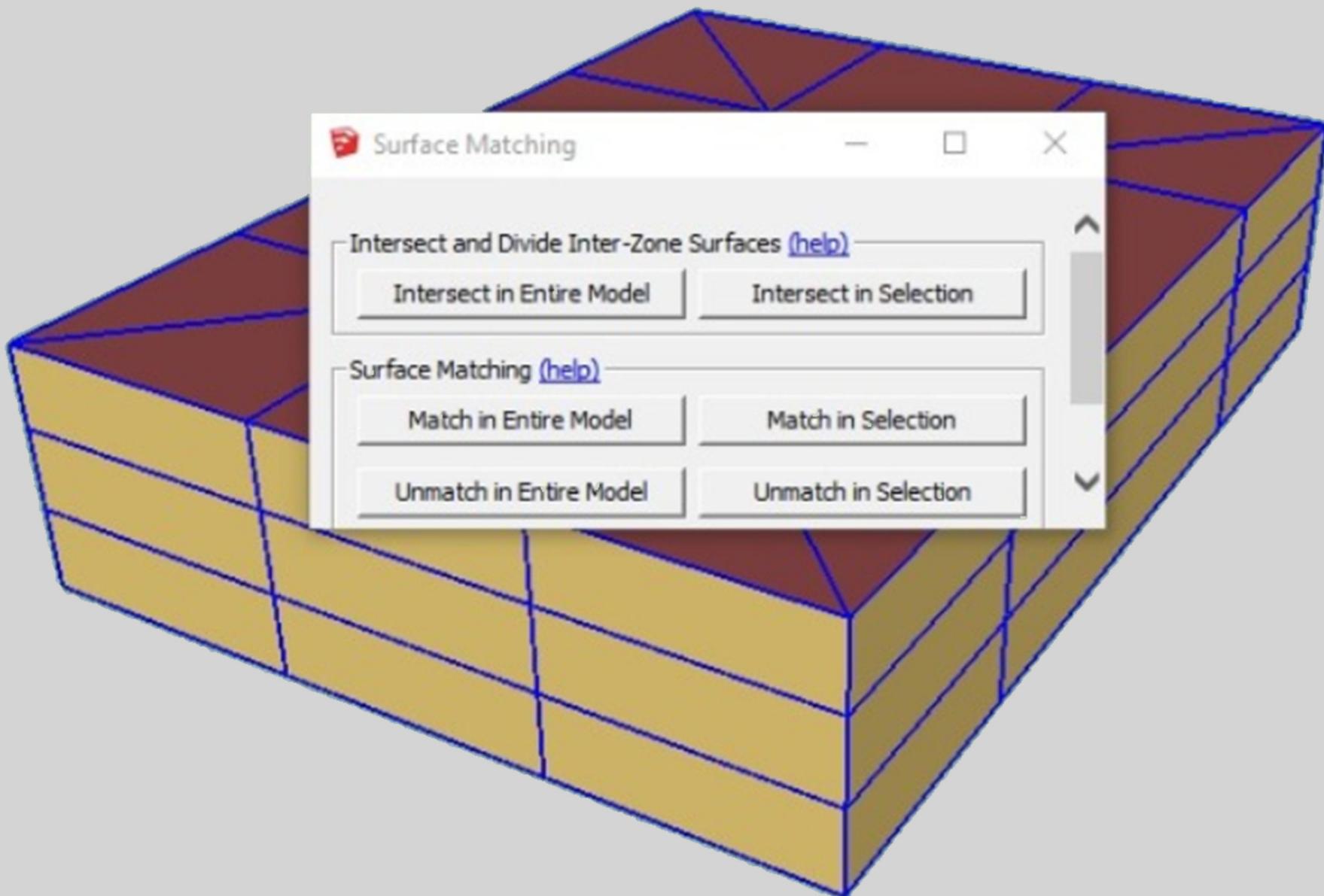
Screenshots of all the steps



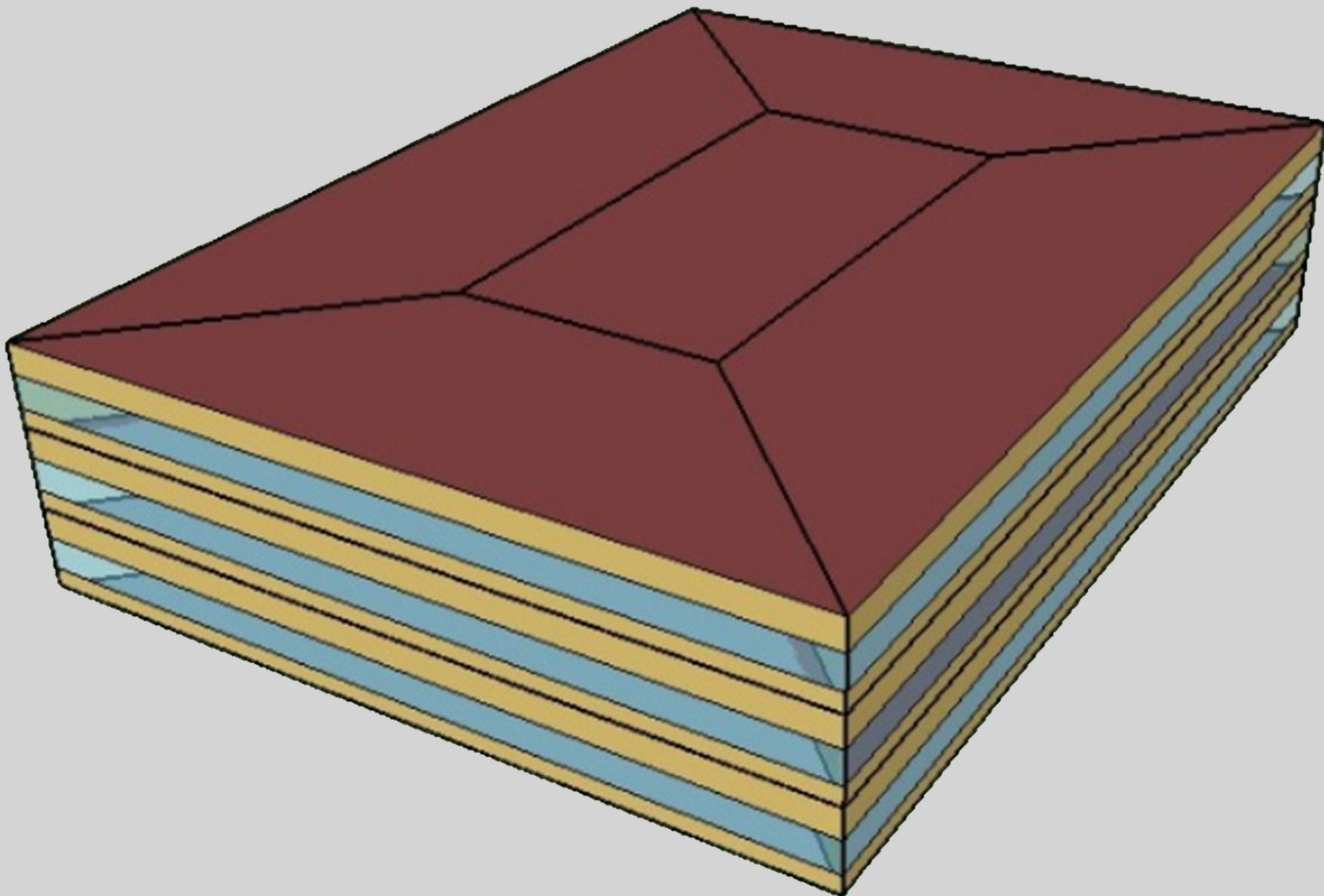
1. Create a base.



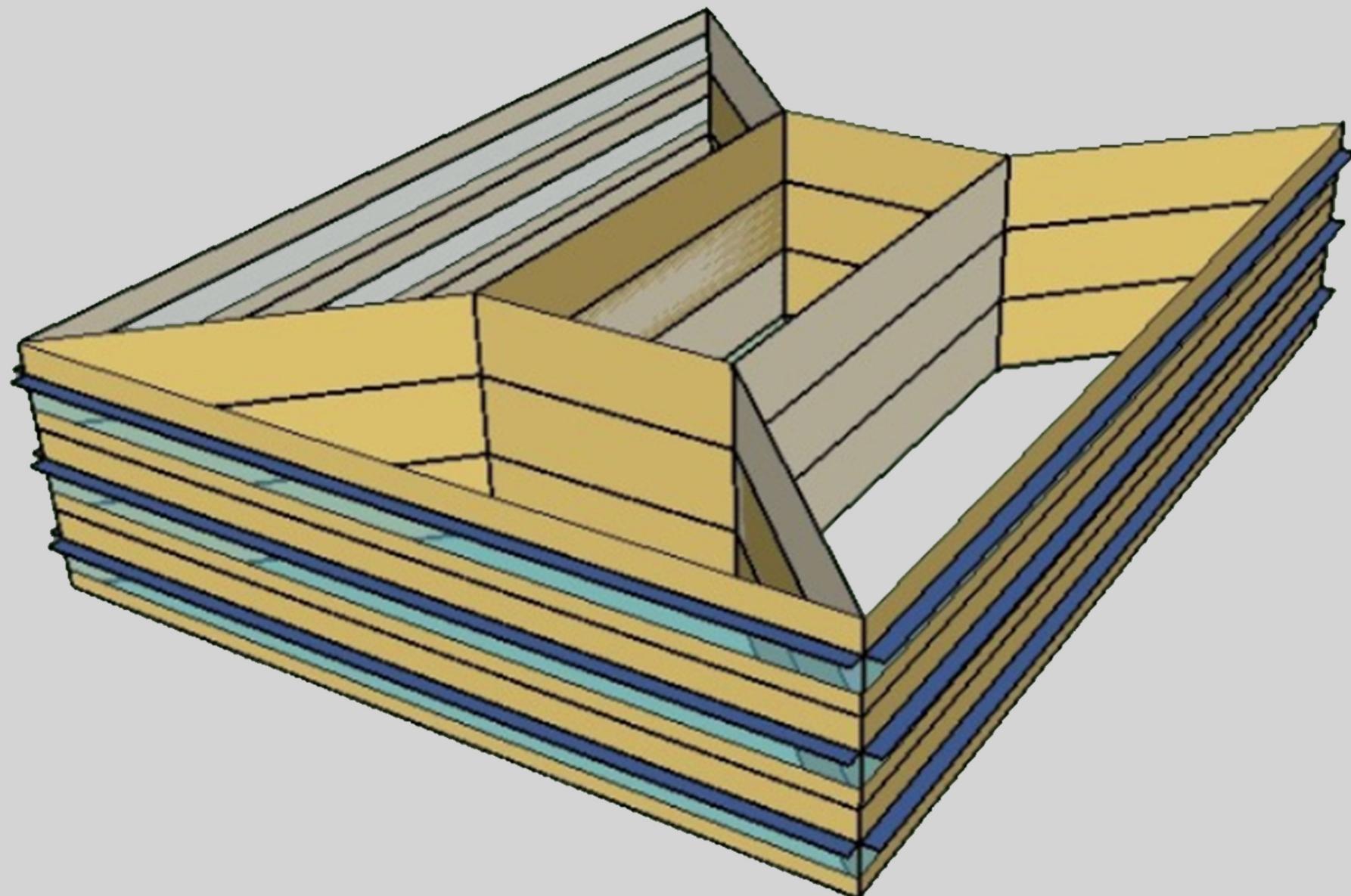
2. Choose "create spaces from diagram" and enter "3" in floor option to create a building.



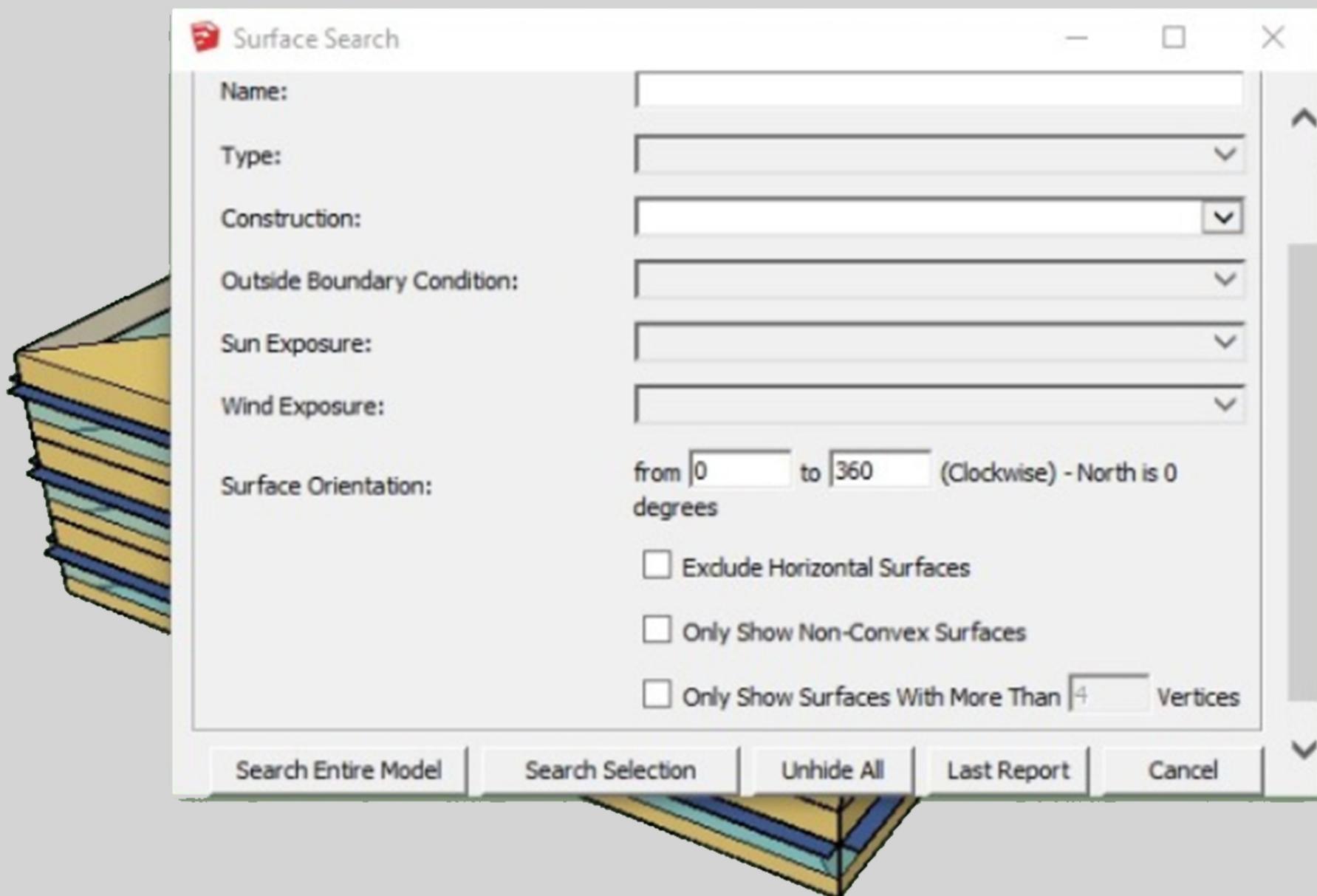
3. Choose "surface matching tool" to distinguish between inner and outer surfaces



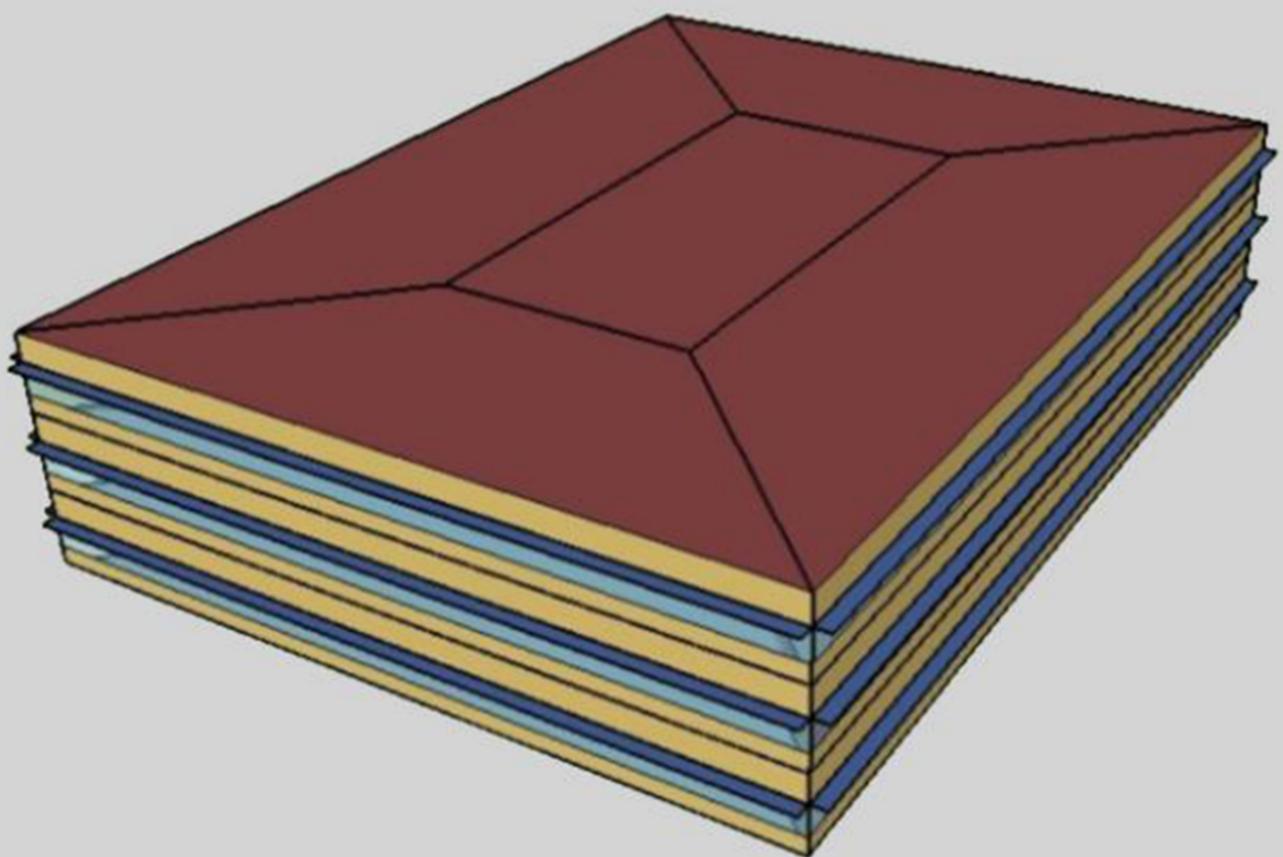
4. Choose "set window to wall ratio" to create windows and select all the surfaces except north.



5. Choose "add overhang by projection factor" to create external shading.



6. Enter "0-360" in Surfaces Orientation option to go back to previous selection



7. Choose "Default Tray" and click "Outliner" button

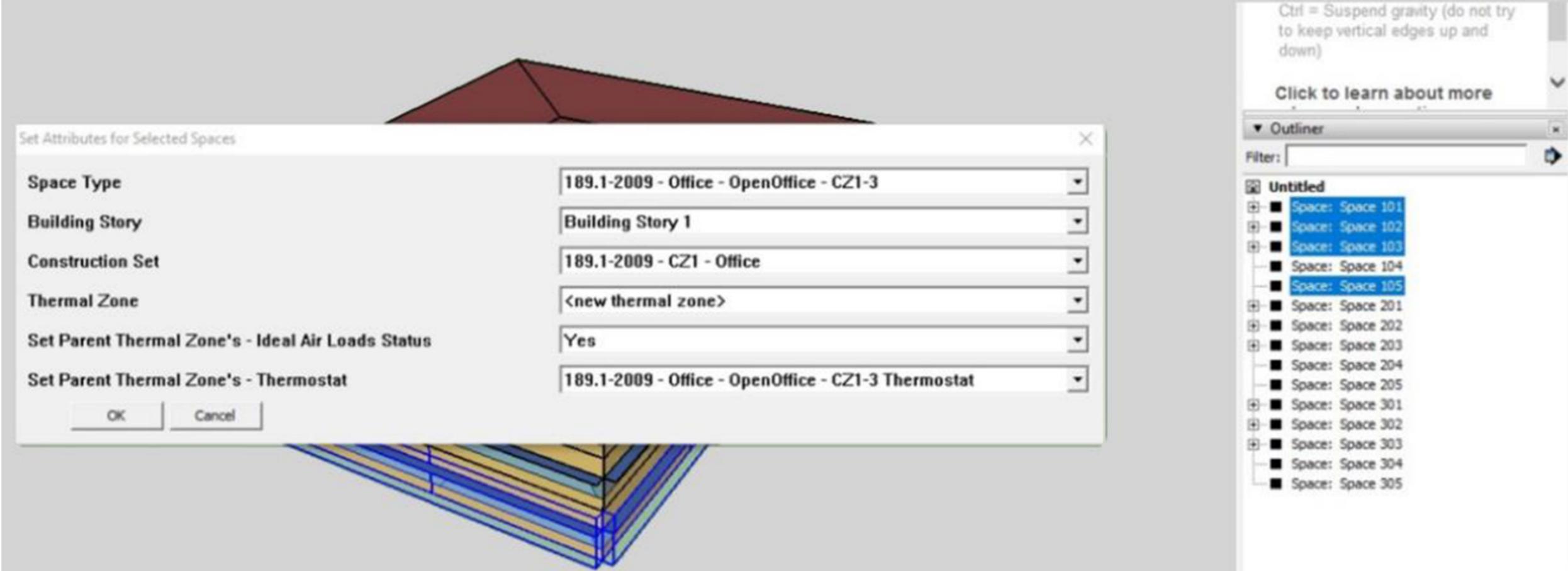
Ctrl - Suspend gravity (do not try to keep vertical edges up and down)

Click to learn about more

▼ Outliner

Filter:

- Untitled
 - Space: Space 101
 - Space: Space 102
 - Space: Space 103
 - Space: Space 104
 - Space: Space 105
 - Space: Space 201
 - Space: Space 202
 - Space: Space 203
 - Space: Space 204
 - Space: Space 205
 - Space: Space 301
 - Space: Space 302
 - Space: Space 303
 - Space: Space 304
 - Space: Space 305



8. Choose the "Set Attributes for Selected Space" button

ASHRAE Climate Zone CEC Climate Zone **Ends** Define by Day of The Week And Month Define by Date**Design Days** **Design Days**

Date	Temperature	Humidity	Pressure Wind Precipitation	Solar	Custom
------	-------------	----------	-----------------------------------	-------	--------

Design Day Name	All	Day Of Month	Month	Day Type	Daylight Saving Time Indicator
		<input type="button" value="Apply to Selected"/>	<input type="button" value="Apply to Selected"/>	<input type="button" value="Apply to Selected"/>	<input type="checkbox"/>
Piacenza Ann Clg .4% Condns DB=>MWB	<input type="checkbox"/>	<input type="text" value="21"/>	<input type="text" value="8"/>	<input type="text" value="SummerDesignDay"/>	<input type="checkbox"/>
Piacenza Ann Clg .4% Condns DP=>MD8	<input type="checkbox"/>	<input type="text" value="21"/>	<input type="text" value="8"/>	<input type="text" value="SummerDesignDay"/>	<input type="checkbox"/>
Piacenza Ann Clg .4% Condns Enth=>MD8	<input type="checkbox"/>	<input type="text" value="21"/>	<input type="text" value="8"/>	<input type="text" value="SummerDesignDay"/>	<input type="checkbox"/>
Piacenza Ann Clg .4% Condns WB=>MD8	<input type="checkbox"/>	<input type="text" value="21"/>	<input type="text" value="8"/>	<input type="text" value="SummerDesignDay"/>	<input type="checkbox"/>
Piacenza Ann Htg 99.6% Condns DB	<input type="checkbox"/>	<input type="text" value="21"/>	<input type="text" value="1"/>	<input type="text" value="WinterDesignDay"/>	<input type="checkbox"/>
Htg Wind 99.6% Condns WS=>MCD8	<input type="checkbox"/>	<input type="text" value="21"/>	<input type="text" value="1"/>	<input type="text" value="WinterDesignDay"/>	<input type="checkbox"/>
Ann Hum_n 99.6% Condns DP=>MCD8	<input type="checkbox"/>	<input type="text" value="21"/>	<input type="text" value="1"/>	<input type="text" value="WinterDesignDay"/>	<input type="checkbox"/>

 **9. Add the weather data**

Run



Finished

Warnings: 10**Errors:** 0

Output

```
Continuing Simulation at 03/02 for RUN PERIOD 1
Updating Shadowing Calculations, Start Date=03/22
Continuing Simulation at 03/22 for RUN PERIOD 1
Updating Shadowing Calculations, Start Date=04/11
Continuing Simulation at 04/11 for RUN PERIOD 1
Updating Shadowing Calculations, Start Date=05/01
Continuing Simulation at 05/01 for RUN PERIOD 1
Updating Shadowing Calculations, Start Date=05/21
Continuing Simulation at 05/21 for RUN PERIOD 1
Updating Shadowing Calculations, Start Date=06/10
Continuing Simulation at 06/10 for RUN PERIOD 1
Updating Shadowing Calculations, Start Date=06/30
Continuing Simulation at 06/30 for RUN PERIOD 1
Updating Shadowing Calculations, Start Date=07/20
Continuing Simulation at 07/20 for RUN PERIOD 1
Updating Shadowing Calculations, Start Date=08/09
Continuing Simulation at 08/09 for RUN PERIOD 1
Updating Shadowing Calculations, Start Date=08/29
Continuing Simulation at 08/29 for RUN PERIOD 1
Updating Shadowing Calculations, Start Date=09/18
Continuing Simulation at 09/18 for RUN PERIOD 1
Updating Shadowing Calculations, Start Date=10/08
Continuing Simulation at 10/08 for RUN PERIOD 1
Updating Shadowing Calculations, Start Date=10/28
Continuing Simulation at 10/28 for RUN PERIOD 1
Updating Shadowing Calculations, Start Date=11/17
Continuing Simulation at 11/17 for RUN PERIOD 1
Updating Shadowing Calculations, Start Date=12/07
Continuing Simulation at 12/07 for RUN PERIOD 1
Updating Shadowing Calculations, Start Date=12/27
Continuing Simulation at 12/27 for RUN PERIOD 1
Writing tabular output file results using HTML format.
Computing Life Cycle Costs and Reporting
Writing final SQL reports
EnergyPlus Run Time=00hr 00min 30.56sec
Script executing from: C:/Users/carav/AppData/Local/Temp/OpenStudio.A10216/resources/run/6-UserScript-0
Found UserScript 'OpenStudio Results'.
result = true
Processed 1 base script and 0 merged scripts
```

Reports: EnergyPlus Results ▾

	Site=>Source Conversion Factor
Electricity	3.167
Natural Gas	1.084
District Cooling	1.056
District Heating	3.613
Steam	0.300
Gasoline	1.050
Diesel	1.050
Coal	1.050
Fuel Oil #1	1.050
Fuel Oil #2	1.050
Propane	1.050
Other Fuel 1	1.000
Other Fuel 2	1.000

Building Area

	Area [m2]
Total Building Area	3600.00

11. Receive the final result