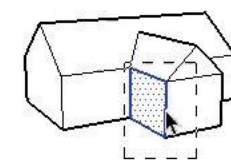


| Default Tray | |
|---------------|---|
| ► Entity Info | ✕ |
| ► Materials | ✕ |
| ► Components | ✕ |
| ► Styles | ✕ |
| ► Shadows | ✕ |
| ▼ Instructor | ✕ |



Select Tool

Select entities to modify when using other tools or commands.

Tool Operation

1. Click on an entity.

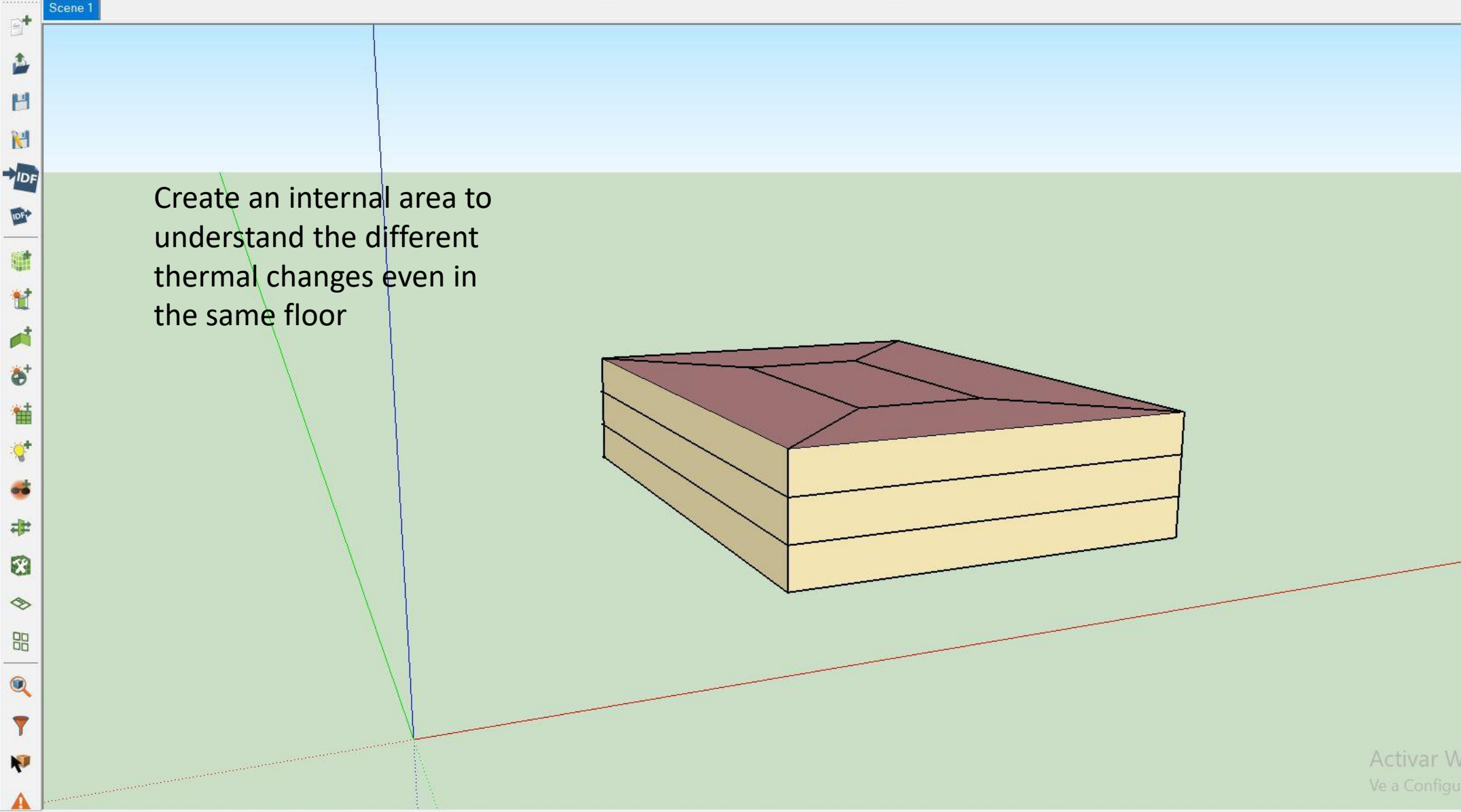
Modifier Keys

Ctrl = Add an entity to set of selected entities
 Shift+Ctrl = Subtract an entity from set of selected entities
 Shift = Toggle whether an entity is within set of selected entities
 Ctrl+A = Select all visible entities in model

[Click to learn about...](#)

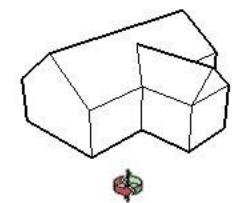
Activar Windows

Ve a Configuración para activar Windows.



Default Tray

- Entity Info
- Materials
- Components
- Styles
- Shadows
- Instructor



Orbit Tool

Rotate camera about model.

Tool Operation

1. Click anywhere in drawing area.
2. Move cursor in any direction to rotate around center of drawing area.

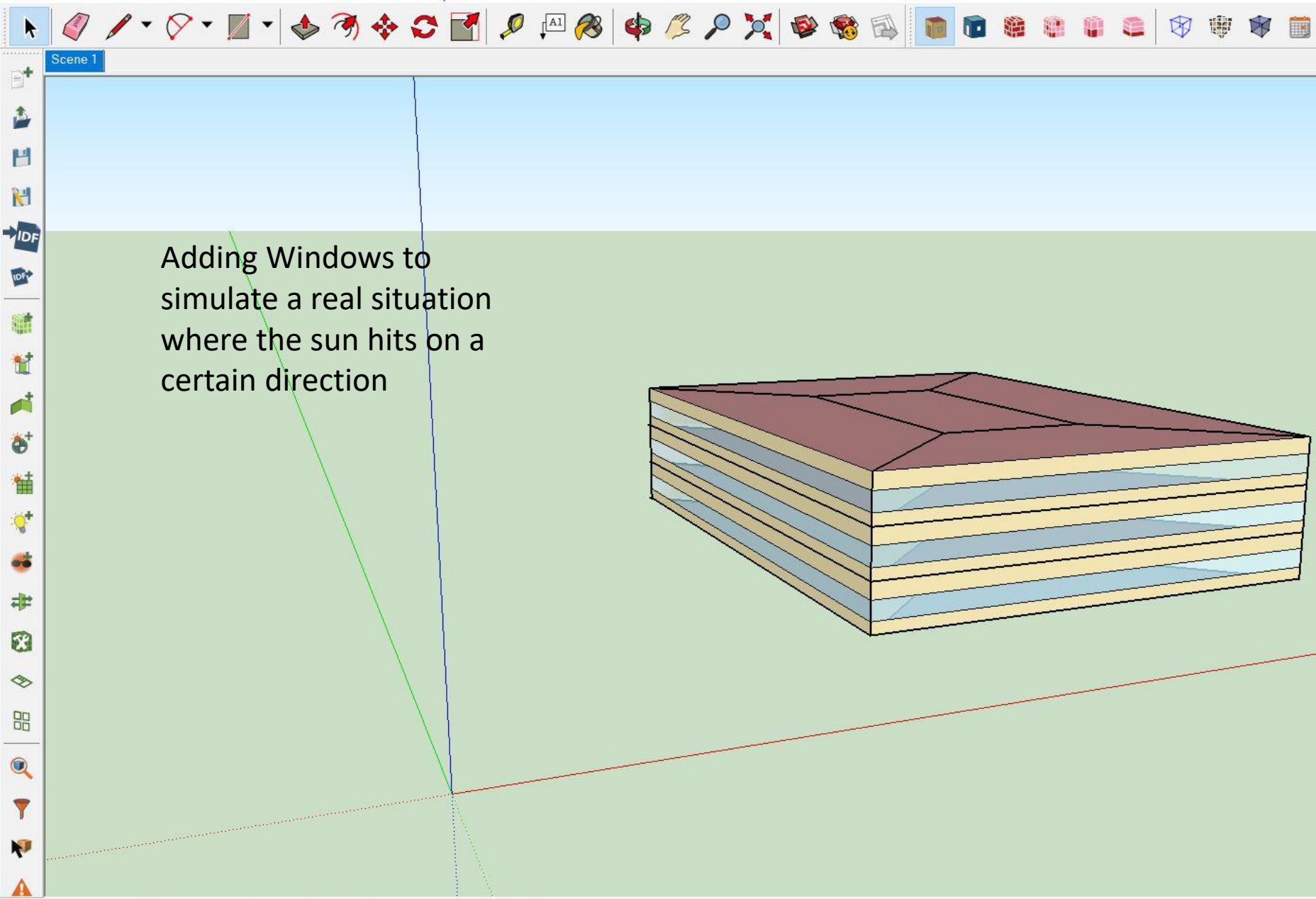
Modifier Keys

Shift = Pan Tool
Ctrl = Suspend gravity (do not try to keep vertical edges up and down)

Click to learn about more advanced operations...

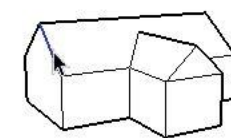
Activar Windows

Ve a Configuración para activar Windows.



Default Tray

- ▶ Entity Info
- ▶ Materials
- ▶ Components
- ▶ Styles
- ▶ Shadows
- ▼ Instructor



Select Tool

Select entities to modify when using other tools or commands.

Tool Operation

1. Click on an entity.

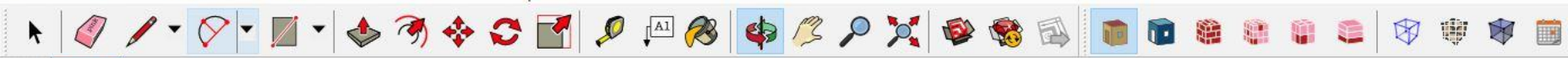
Modifier Keys

Ctrl = Add an entity to set of selected entities
 Shift+Ctrl = Subtract an entity from set of selected entities
 Shift = Toggle whether an entity is within set of selected entities
 Ctrl+A = Select all visible entities in model

[Click to learn about...](#)

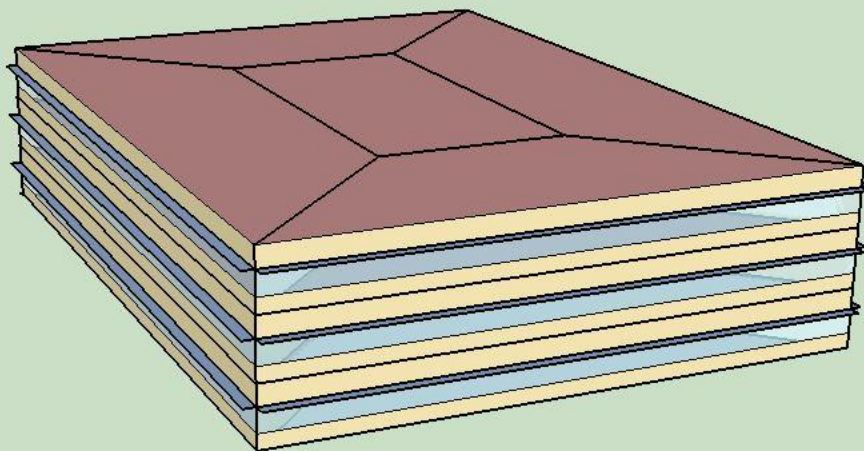
Activar Windows

Ve a Configuración para activar Windows.

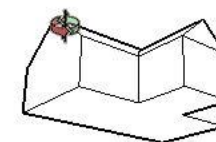


Scene 1

Adding overhangs to
create shadow and allow
direct light in one side



| Default Tray | |
|---------------|---|
| ► Entity Info | ✕ |
| ► Materials | ✕ |
| ► Components | ✕ |
| ► Styles | ✕ |
| ► Shadows | ✕ |
| ▼ Instructor | ✕ |



Orbit Tool

Rotate camera about model.

Tool Operation

1. Click anywhere in drawing area.
2. Move cursor in any direction to rotate around center of drawing area.

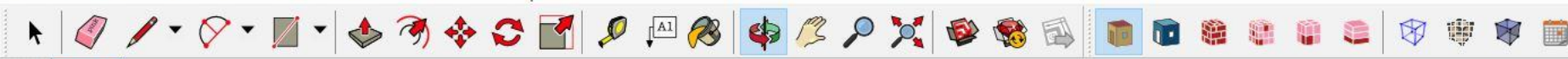
Modifier Keys

Shift = Pan Tool
Ctrl = Suspend gravity (do not try to keep vertical edges up and down)

Click to learn about more advanced operations...

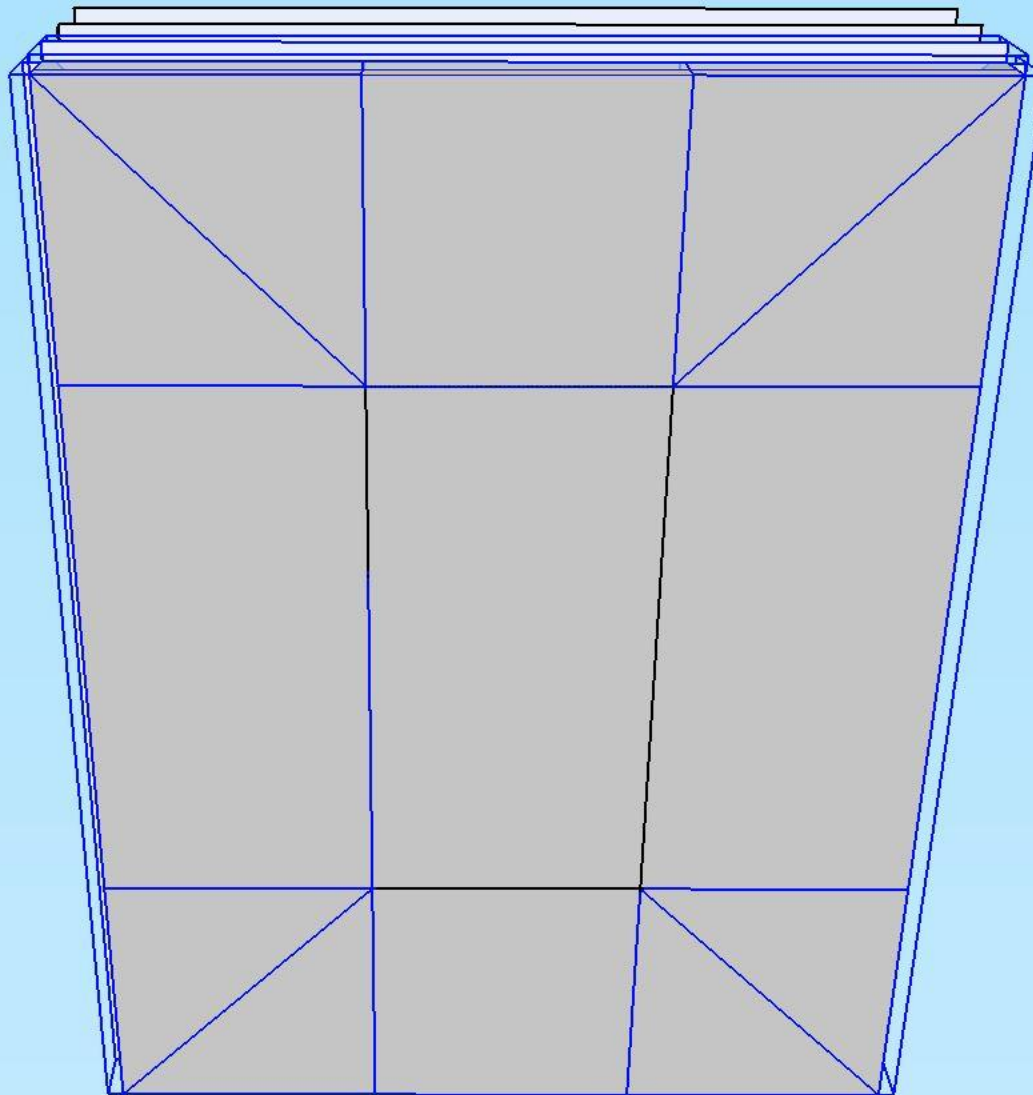
Activar Windows

Ve a Configuración para activar Windows.



Scene 1

Selection of the outer
rooms with specific
thermal configuration



Default Tray

1. Drawing area.
2. Move cursor in any direction to rotate around center of drawing area.

Modifier Keys

Shift = Pan Tool
Ctrl = Suspend gravity (do not try to keep vertical edges up and down)

[Click to learn about more advanced](#)

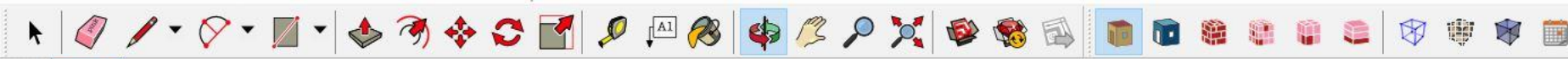
▼ Outliner

Filter:

- m
- 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

Activar Windows

Ve a Configuración para activar Windows.



Scene 1

Set Attributes for Selected Spaces

Space Type

189.1-2009 - Office - OpenOffice - CZ1-3

Building Story

Building Story 1

Construction Set

189.1-2009 - CZ1 - Office

Thermal Zone

<new thermal zone>

Set Parent Thermal Zone's - Ideal Air Loads Status

Yes

Set Parent Thermal Zone's - Thermostat

189.1-2009 - Office - OpenOffice - CZ1-3 Thermostat

OK

Cancel

Default Tray

1. Drawing area.
2. Move cursor in any direction to rotate around center of drawing area.

Modifier Keys

Shift = Pan Tool
Ctrl = Suspend gravity (do not try to keep vertical edges up and down)

Click to learn about more advanced

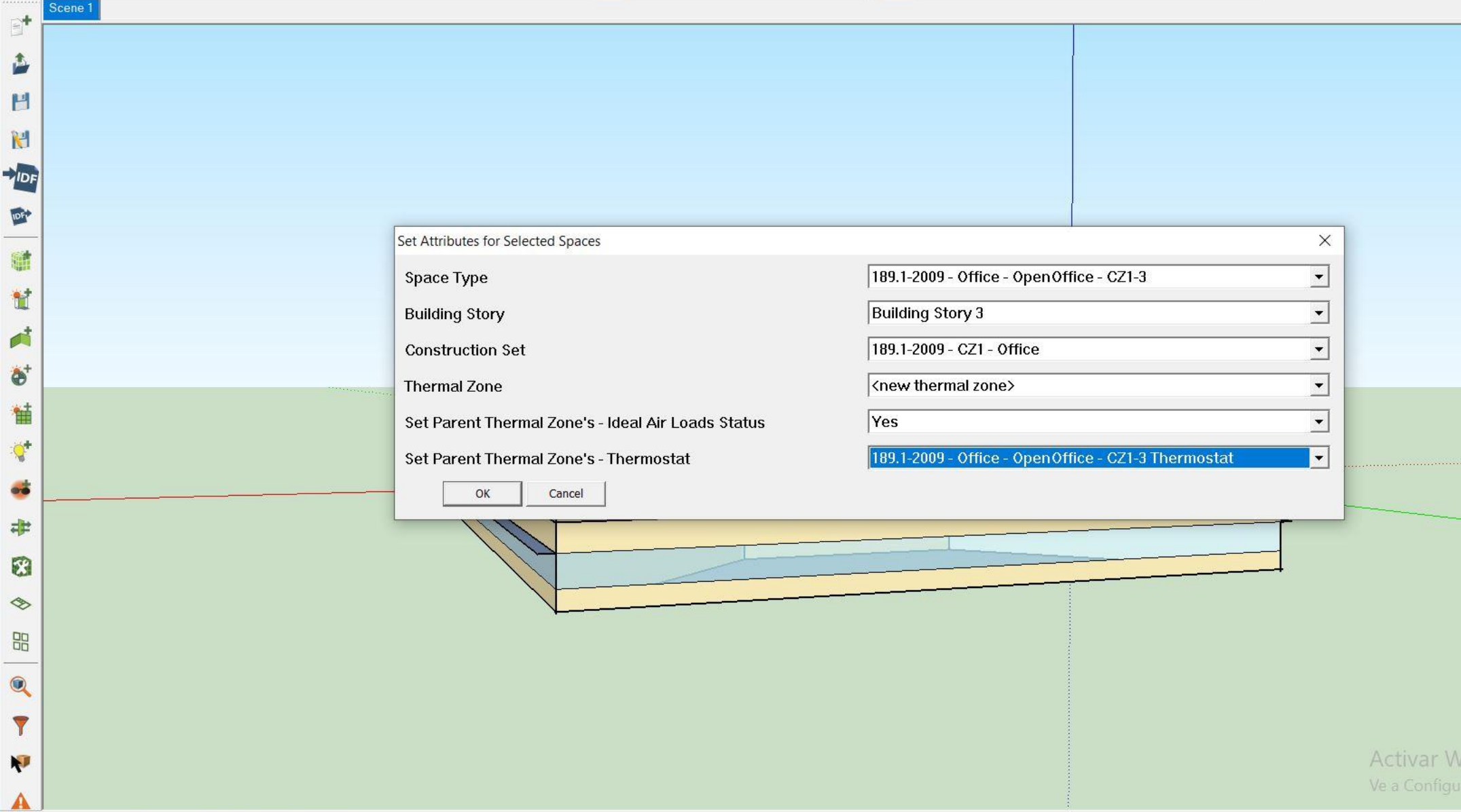
▼ Outliner

Filter:

- m
- 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

Activar Windows

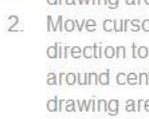
Ve a Configuración para activar Windows.



Set Attributes for Selected Spaces ✕

| | |
|--|---|
| Space Type | 189.1-2009 - Office - OpenOffice - CZ1-3 |
| Building Story | Building Story 3 |
| Construction Set | 189.1-2009 - CZ1 - Office |
| Thermal Zone | <new thermal zone> |
| Set Parent Thermal Zone's - Ideal Air Loads Status | Yes |
| Set Parent Thermal Zone's - Thermostat | 189.1-2009 - Office - OpenOffice - CZ1-3 Thermostat |

OK Cancel



Default Tray

Drawing area.

2. Move cursor in any direction to rotate around center of drawing area.

Drawing area.

Modifier Keys

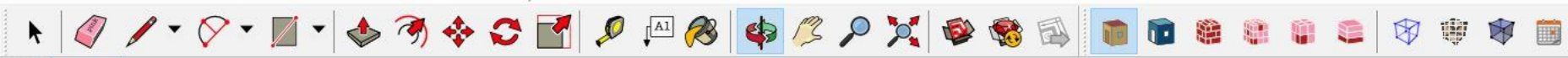
Shift = Pan Tool

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

[Click to learn about more advanced...](#)

-
- ▼ Outliner
- Filter:
- m
- 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

Activar Windows
Ve a Configuración para activar Windows.



Scene 1

Inner areas with a specific
space type

Set Attributes for Selected Spaces

| | |
|--|---|
| Space Type | 189.1-2009 - Office - BreakRoom - CZ1-3 |
| Building Story | Building Story 1 |
| Construction Set | 189.1-2009 - CZ1 - Office |
| Thermal Zone | <new thermal zone> |
| Set Parent Thermal Zone's - Ideal Air Loads Status | Yes |
| Set Parent Thermal Zone's - Thermostat | 189.1-2009 - Office - OpenOffice - CZ1-3 Thermostat |

OK Cancel

Default Tray

1. Drawing area.
2. Move cursor in any direction to rotate around center of drawing area.

Modifier Keys

Shift = Pan Tool
Ctrl = Suspend gravity (do not try to keep vertical edges up and down)

Click to learn about more advanced

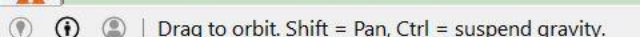
▼ Outliner

Filter:

- m
- 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

Activar Windows

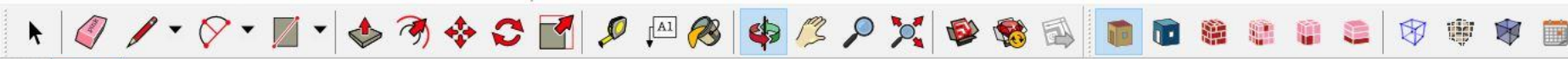
Ve a Configuración para activar Windows.



2. Move cursor in any direction to rotate around center of drawing area.

Click to learn about
more advanced

| Measurements | |
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Set Attributes for Selected Spaces

| | |
|--|---|
| Space Type | 189.1-2009 - Office - BreakRoom - CZ1-3 |
| Building Story | Building Story 3 |
| Construction Set | 189.1-2009 - CZ1 - Office |
| Thermal Zone | <new thermal zone> |
| Set Parent Thermal Zone's - Ideal Air Loads Status | Yes |
| Set Parent Thermal Zone's - Thermostat | 189.1-2009 - Office - OpenOffice - CZ1-3 Thermostat |

OK Cancel

Default Tray

1. Drawing area.

2. Move cursor in any direction to rotate around center of drawing area.

Modifier Keys
Shift = Pan Tool
Ctrl = Suspend gravity (do not try to keep vertical edges up and down)

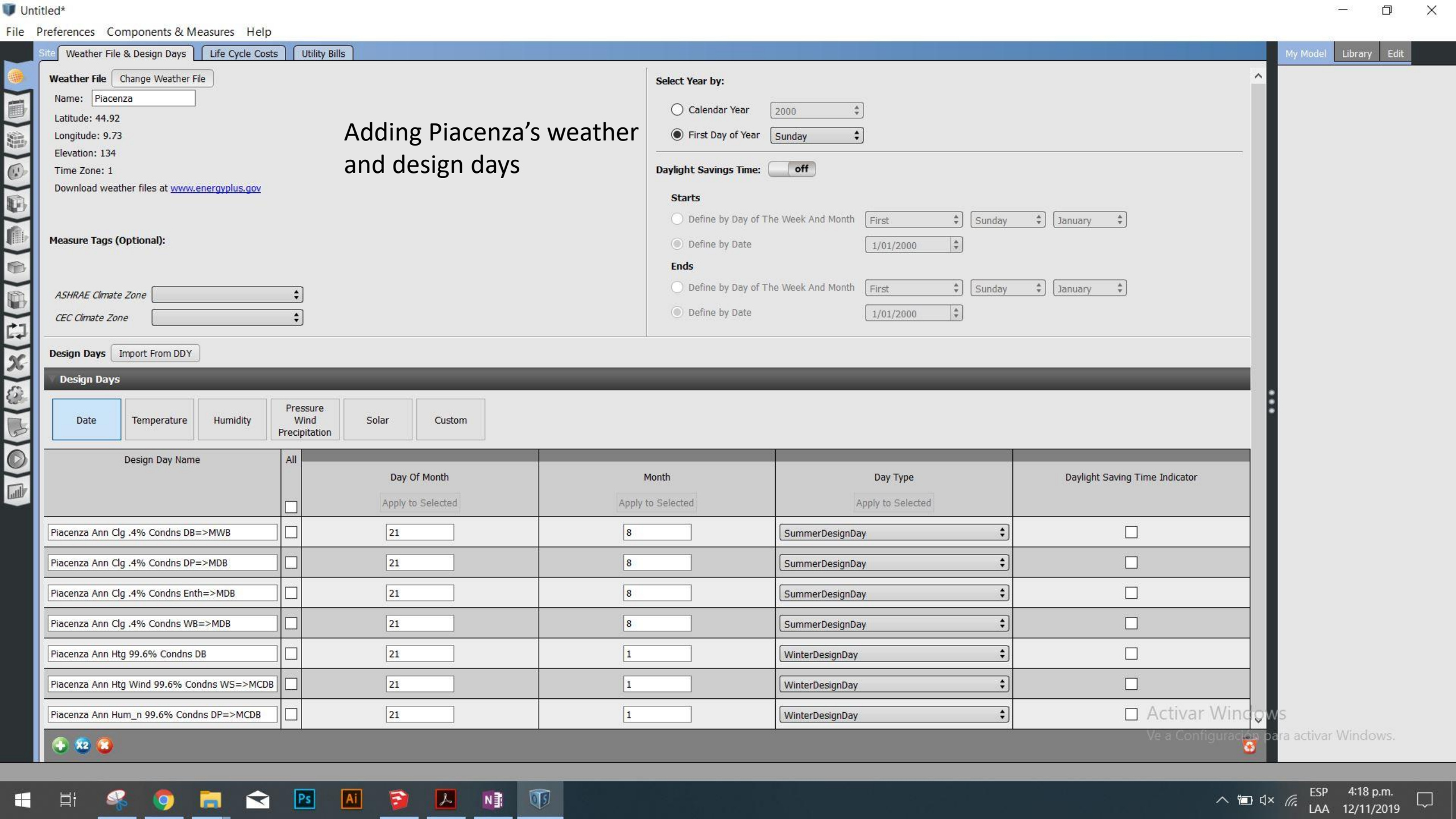
Click to learn about more advanced

▼ Outliner

Filter:

m

- 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



Weather File

Name: Piacenza

Latitude: 44.92

Longitude: 9.73

Elevation: 134

Time Zone: 1

Download weather files at www.energyplus.gov

Measure Tags (Optional):

ASHRAE Climate Zone

CEC Climate Zone

Select Year by:

☐ Calendar Year 2000

☒ First Day of Year Sunday

Daylight Savings Time: off

Starts

☐ Define by Day of The Week And Month First Sunday January

☒ Define by Date 1/01/2000

Ends

☐ Define by Day of The Week And Month First Sunday January

☒ Define by Date 1/01/2000

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="checkbox"/> | Apply to Selected | Apply to Selected | Apply to Selected | |
| Piacenza Ann Clg .4% Condns DB=>MWB | <input type="checkbox"/> | 21 | 8 | SummerDesignDay | <input type="checkbox"/> |
| Piacenza Ann Clg .4% Condns DP=>MDB | <input type="checkbox"/> | 21 | 8 | SummerDesignDay | <input type="checkbox"/> |
| Piacenza Ann Clg .4% Condns Enth=>MDB | <input type="checkbox"/> | 21 | 8 | SummerDesignDay | <input type="checkbox"/> |
| Piacenza Ann Clg .4% Condns WB=>MDB | <input type="checkbox"/> | 21 | 8 | SummerDesignDay | <input type="checkbox"/> |
| Piacenza Ann Htg 99.6% Condns DB | <input type="checkbox"/> | 21 | 1 | WinterDesignDay | <input type="checkbox"/> |
| Piacenza Ann Htg Wind 99.6% Condns WS=>MCDB | <input type="checkbox"/> | 21 | 1 | WinterDesignDay | <input type="checkbox"/> |
| Piacenza Ann Hum_n 99.6% Condns DP=>MCDB | <input type="checkbox"/> | 21 | 1 | WinterDesignDay | <input type="checkbox"/> |



Activar Windows
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Run



75%

Failed

Warnings: 11

Errors: 5

Output

```
Boolean, Required
Value: (true)
Looking for water_use_section (Water Use Equipment)
Boolean, Required
Value: (true)
Looking for hvac_load_profile (HVAC Load Profiles)
Boolean, Required
Value: (true)
Looking for zone_condition_section (Zone Conditions)
Boolean, Required
Value: (true)
Looking for zone_summary_section (Zone Overview)
Boolean, Required
Value: (true)
Looking for zone_equipment_detail_section (Zone Equipment Detail)
Boolean, Required
Value: (true)
Looking for air_loops_detail_section (Air Loops Detail)
Boolean, Required
Value: (true)
Looking for plant_loops_detail_section (Plant Loops Detail)
Boolean, Required
Value: (true)
Looking for outdoor_air_section (Outdoor Air)
Boolean, Required
Value: (true)
Looking for cost_summary_section (Cash Flow)
Boolean, Required
Value: (true)
Looking for source_energy_section (Site and Source Summary)
Boolean, Required
Value: (true)
Looking for schedules_overview_section (Schedule Overview)
Boolean, Required
Value: (true)
result = true
Processed 1 base script and 0 merged scripts
EnergyPlus Starting
EnergyPlus, Version 8.5.0-c87e61b44b, YMD=2019.11.12 16:21
Processing Data Dictionary
Processing Input File
Initializing Simulation
Reporting Surfaces
Beginning Primary Simulation
Computing Life Cycle Costs and Reporting
Writing final SQL reports
**FATAL:Error condition occurred. Previous Severe Errors cause termination.
EnergyPlus Run Time=00hr 00min 1.28sec
```

Running a simulation with
the model according to
Piacenza's conditions

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