1. Prerequisites:
   1. Revit 2022
   2. Revit model prepared
   3. the solution downloaded from Github
2. Add shared parameter file to the Revit project.
   1. Go to *Insert/Inser from File/Insert Views from File* Graphical user interface, application, Word

      Description automatically generated
   2. Point to the *template/RevitParameterTemplate.rvt* file.
   3. Select all three schedules from that file.
   4. A schedule (table) will appear but you can close that tab and go back to the desired 3d view.

Now all the required Revit categories in your model will have appropriate parameters.

1. Fill in all the required parameter values (such as connection info).
2. Fill in the *IsExterior* parameter for each wall.
   1. You can do it semi-automatically by generating Area Plans for each level in your model, and then running the script ‘XXX’.

Graphical user interface

Description automatically generated with medium confidence

1. Open the desired 3D view for the visualization.
2. In Revit, open Dynamo Player:

Graphical user interface, application, Word

Description automatically generated

1. interface the user loads the script and adjust the input parameters such as Excel file location.
2. Once ready user press play on the Dynamo Player to run the script
3. The script reads the input from GUI and loads the datasource from CSV file
4. The script reads the parameter values from Revit as well as material volumes
5. The python code embedded in Dynamo script performs the Circularity Indicator calculations based on inputs from steps 6 and 7 for each indyvidual element.
6. The result is written back to dedicated Revit parameters.
7. All elements are overriden in active 3D view based on the values of their CI.
8. The results, together with material information from Revit are exported to Excel file. (in fact the Excel template file is copied and appended with that new data)
9. Excel shows the exported data in a form of report with charts. User might need to press refresh data for the charts to be updated after the export.