

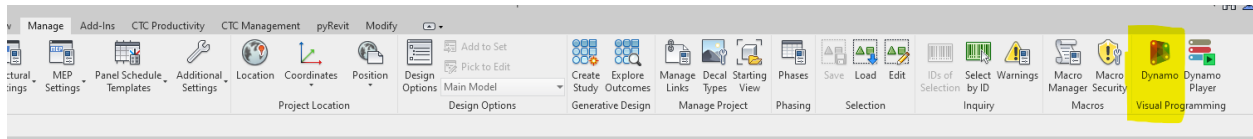


DYNAMO

Dynamo is an add-in program in Revit. Dynamo uses a visual coding language to automate tasks almost instantly that would otherwise take a lot more time in Revit. These automation tasks can be simple, or they can be incredibly complex. The more complex they are, the more risk of failure you can have.

DYNAMO EDITOR

The Dynamo Editor is found in the Manage Tab.



The dynamo editor opens a new window to the Dynamo programming interface with all of its tools. From there you can open the scripts that ORB has in place or create your own. Creating your own script or bringing in a script from outside of ORB is not recommended. Confirm with the office BIM Manager to see if the script in question will be useful to the ORB workflow.

If you are interested in learning about programming in Dynamo, you can find many in the websites below:

[Learn - Dynamo BIM](#)

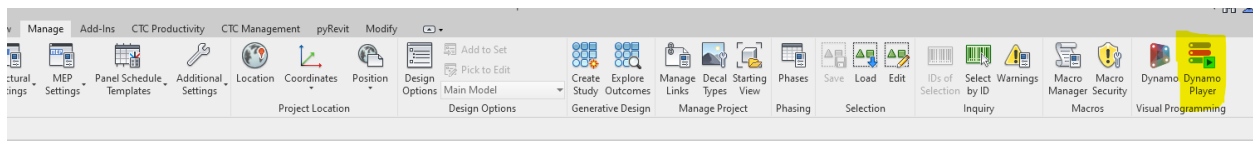
[11 Steps to Create Your First Dynamo Script — REVIT PURE](#)

[Dynamo BIM from Zero to Hero | Udemy](#)

Youtube.com and other sites.

DYNAMO PLAYER

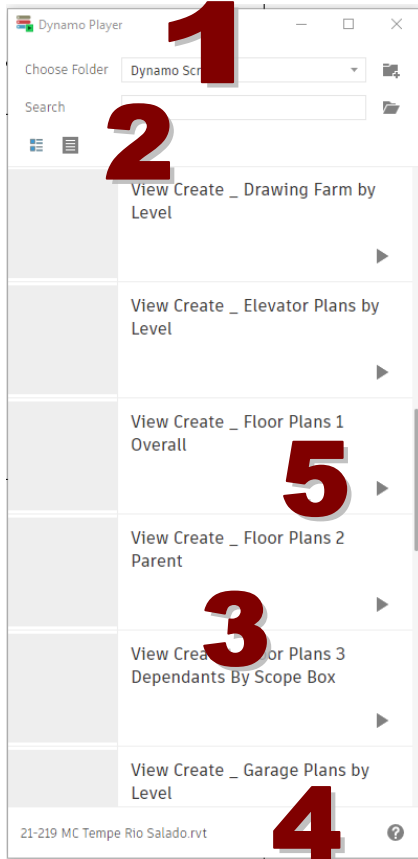
The Dynamo Player is found in the Manage Tab.



The Dynamo Player is a slimmed down version of the full script that is working in the background. The Dynamo Player will reference specific folders where ORB has scripts / processes designed to automate our typical workflow.

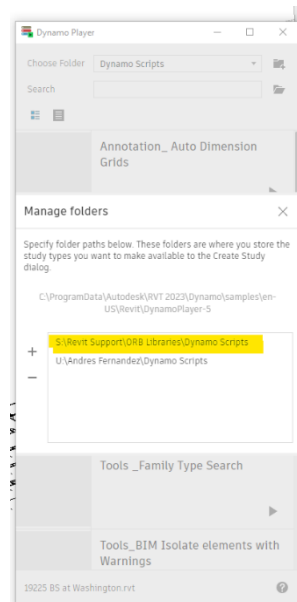


DYNAMO SCRIPTS



1. Pull down menu for the Script folder location. This should always be set to the folder listed here:

S:\Revit Support\ORB Libraries\Dynamo Scripts



2. You can choose from a list view or an icon view.
3. Scripts are the automated tasks that have been programmed in accordance with the ORB workflow.
4. Revit File that the player is currently accessing and will work in.
5. The play button will start the script and begin the sequence of automated tasks assigned to that script.



Scripts are associated by the type of task they do; annotation, view creation & tools.

ORB SCRIPTS

ANNOTATION

Auto Dimension Grids

VIEW CREATE

Floor Plans 1 Overall

Create overall plan intended for sheets based on the selected levels. Assigns Overall Floor Plan View Template.

Floor Plans 2 Parent

Create copy of Overall View. Removes the Overall Floor Plan View Template.

Floor Plans 3 Dependents By Scope Box

Creates as many copies as noted per scope boxes from the Parent View and assigns the Enlarged Floor Plan View Template.

Ceiling Plans 1 Overall

Create overall ceiling plans intended for sheets. Assigns Overall Floor Plan View Template.

Ceiling Plans 2 Parent

Create copy of Overall Ceiling Plan View. Removes the Overall Ceiling Floor Plan View Template.

Ceiling Plans 3 Dependents by Scope Box

Creates as many copies as noted per scope boxes from the Parent View and assigns the Enlarged Floor Plan View Template.

Life Safety 1 Overall

Life Safety 2 Parent

Life Safety 3 Dependents by Scope Box

TOOLS

BIM Management Delete CAD Import linetypes: This will delete any line styles that contain CAD IMPORT in the name.

Dimension Type Search: Find a specific dimension type and open the views where they are located.

Filled Region Type Search: Find a specific filled region type and open the views where they are located.



Text Type Search: Find a specific text style and open the views where they are located.

Family Type Search: Find a specific family type and open the views where they are located.

VISIBILITY

Hide Links not Shown in View: For use in floor, area and reflected ceiling plans. Script will find the unit RVT links not set to the view level and will hide them.

Hide Unit Enlarged Instance not on Sheet: For use in unit sheets only. Script will hide Unit Enlarged revit link instances that don't belong to that specific sheet. This must be run in each sheet.

Isolate Workset: Choose a specific workset and isolate it in the current view.

Set Worksets back to Default: All worksets are set to their original Use Global Setting (shown or hidden)

Temporary Isolate Elements in Workset: No changes occur to other worksets. Changes are temporary.