LIVE #057

RVT

DEVELOPING A PRO REVIT TEMPLATE

PRO Template

- Template created after years of experimentations, trying to find the best workflows.
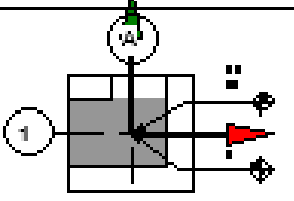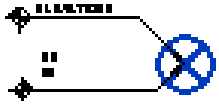- Focus on organization
- Updated for Revit 2024

PRO Template

- Acquire alone - $199
- With "MANAGE" course - $299
- With mega-bundle - $499

revitpure.com/protemplate

The Welcome Page

- Communicate to your team
- Include important information
- Idea: include coordinate origin points location

The Welcome Page

INTERNAL ORIGIN
LOCATED AT GRIDS A/1 INTERSECTION

PROJECT BASE POINT
VALUES SHOULD BE:
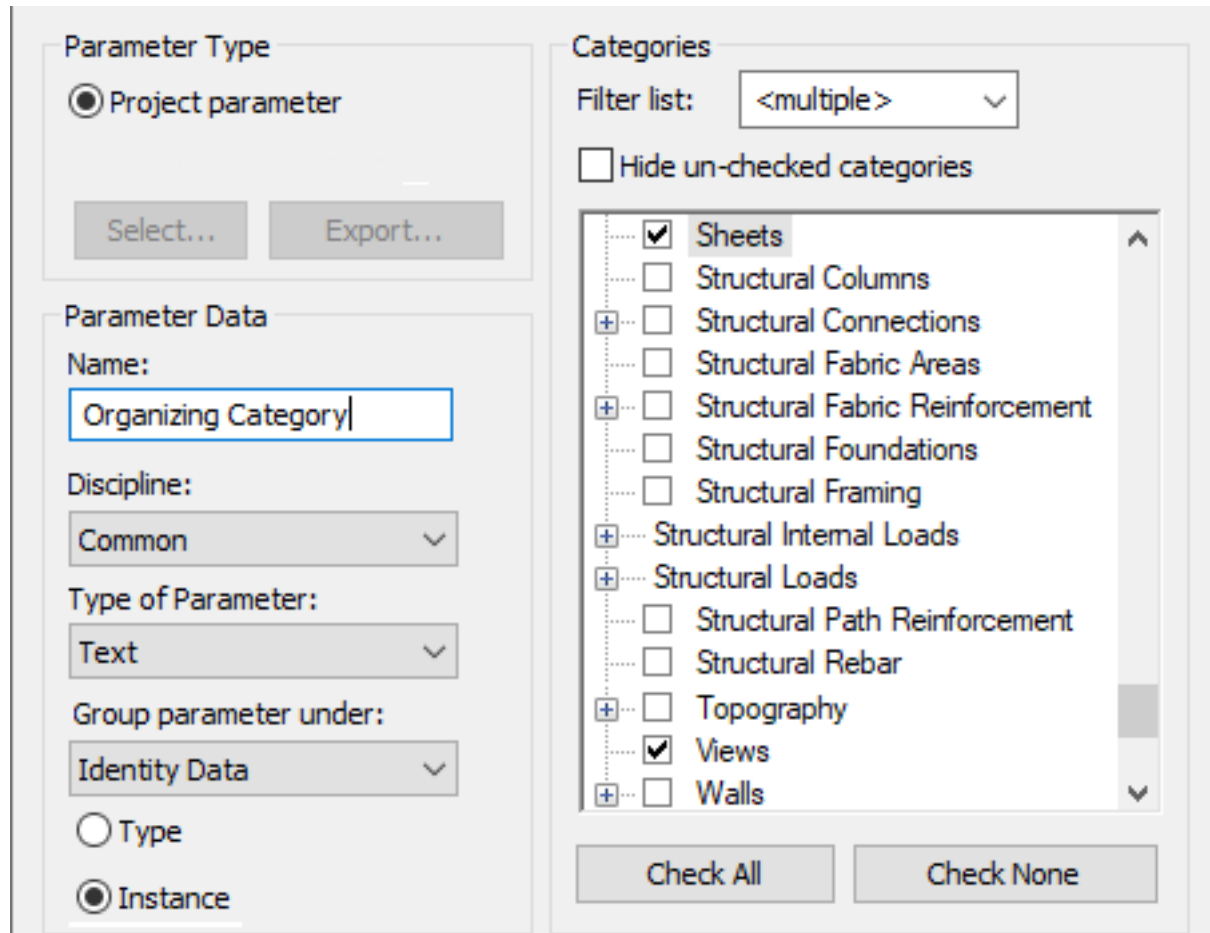ELEVATION: 0   N 0   E 0

SURVEY POINT
VALUES SHOULD BE:
ELEVATION: 0   N 0   E 0
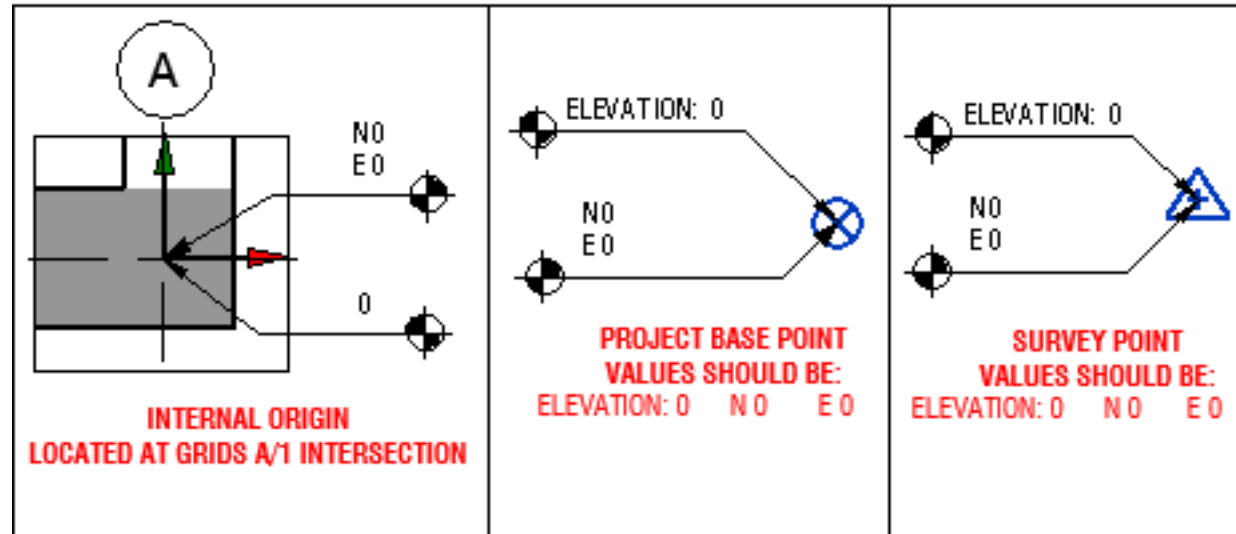
Each origin point has a view attached to it. A red indicates what the position should be.
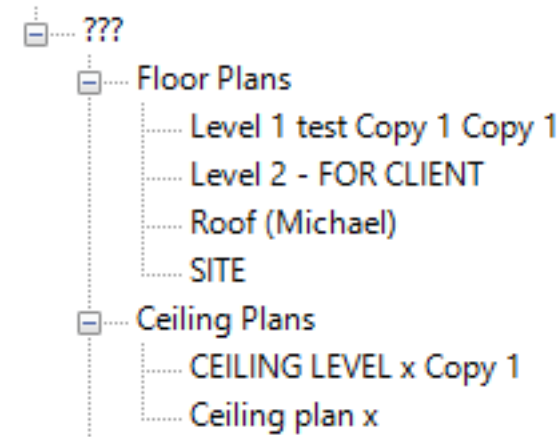
Using these views lets you know if the coordinate points have been moved.
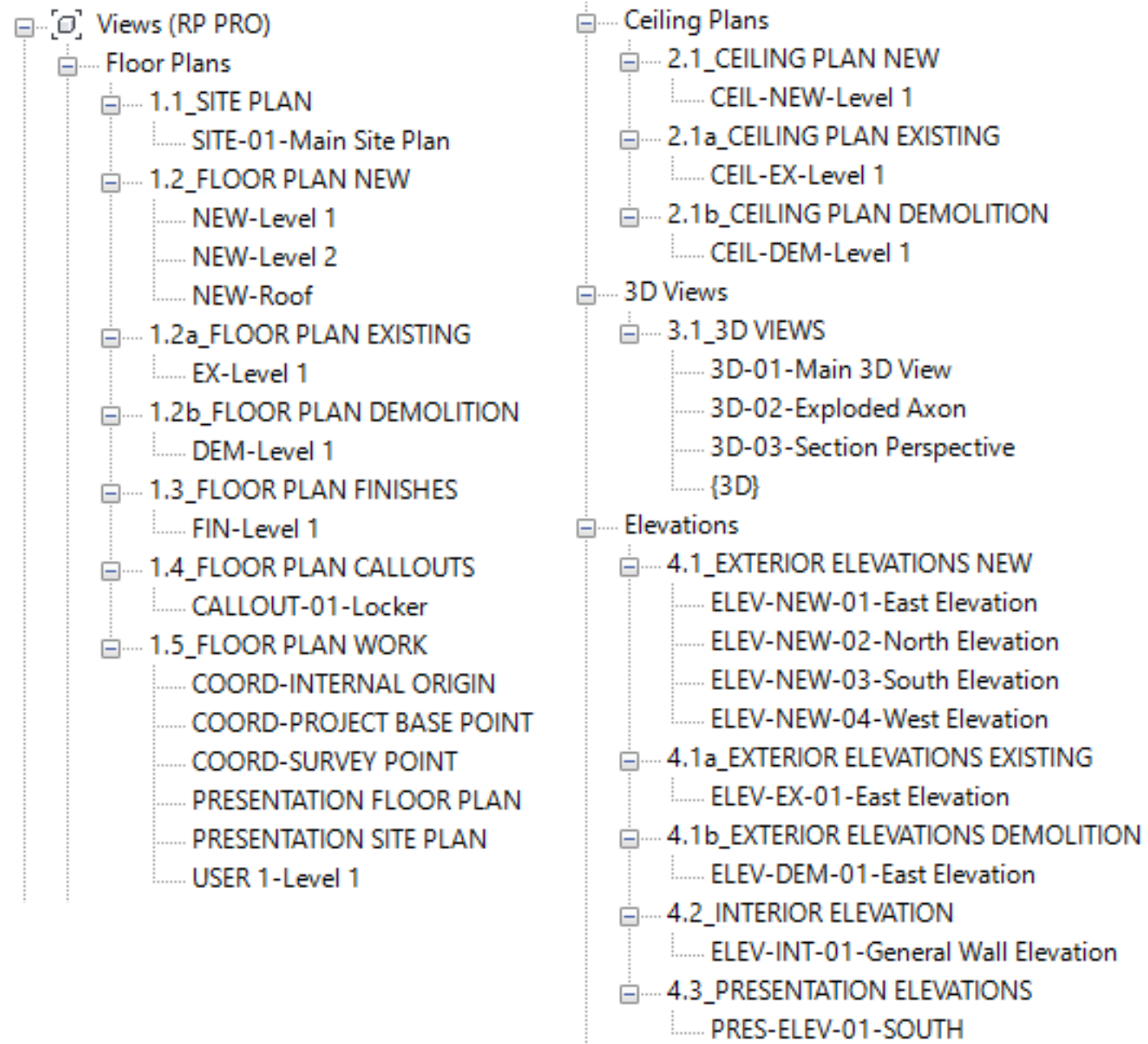
Organizing the Project Browser

Technique 1 - using an organizing parameter.
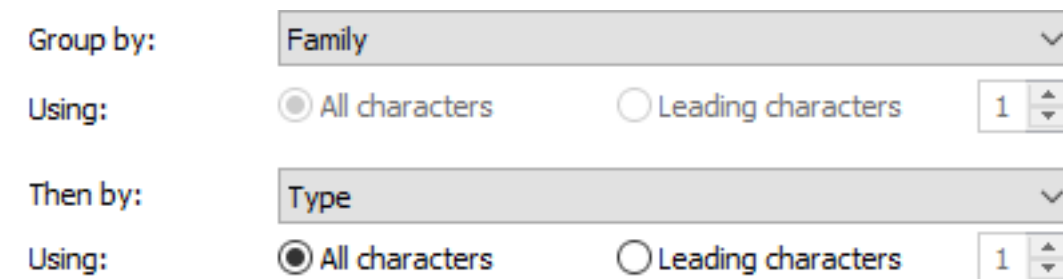
Problem: ??? questions marks.

Organizing the Project Browser

Views (RP PRO)
- Floor Plans
  - 1.1_SITE PLAN
    - SITE-01-Main Site Plan
  - 1.2_FLOOR PLAN NEW
    - NEW-Level 1
    - NEW-Level 2
    - NEW-Roof
  - 1.2a_FLOOR PLAN EXISTING
    - EX-Level 1
  - 1.2b_FLOOR PLAN DEMOLITION
    - DEM-Level 1
  - 1.3_FLOOR PLAN FINISHES
    - FIN-Level 1
  - 1.4_FLOOR PLAN CALLOUTS
    - CALLOUT-01-Locker
  - 1.5_FLOOR PLAN WORK
    - COORD-INTERNAL ORIGIN
    - COORD-PROJECT BASE POINT
    - COORD-SURVEY POINT
    - PRESENTATION FLOOR PLAN
    - PRESENTATION SITE PLAN
    - USER 1-Level 1

Ceiling Plans
- 2.1_CEILING PLAN NEW
  - CEIL-NEW-Level 1
- 2.1a_CEILING PLAN EXISTING
  - CEIL-EX-Level 1
- 2.1b_CEILING PLAN DEMOLITION
  - CEIL-DEM-Level 1

3D Views
- 3.1_3D VIEWS
  - 3D-01-Main 3D View
  - 3D-02-Exploded Axon
  - 3D-03-Section Perspective
  - {3D}

Elevations
- 4.1_EXTERIOR ELEVATIONS NEW
  - ELEV-NEW-01-East Elevation
  - ELEV-NEW-02-North Elevation
  - ELEV-NEW-03-South Elevation
  - ELEV-NEW-04-West Elevation
- 4.1a_EXTERIOR ELEVATIONS EXISTING
  - ELEV-EX-01-East Elevation
- 4.1b_EXTERIOR ELEVATIONS DEMOLITION
  - ELEV-DEM-01-East Elevation
- 4.2_INTERIOR ELEVATION
  - ELEV-INT-01-General Wall Elevation
- 4.3_PRESENTATION ELEVATIONS
  - PRES-ELEV-01-SOUTH

Technique 2 - Using View Types.

- No question marks.
- Easier to manage.

Group by:	Family	
Using:	◉ All characters ○ Leading characters	1
Then by:	Type	
Using:	◉ All characters ○ Leading characters	1

Organizing the Project Browser
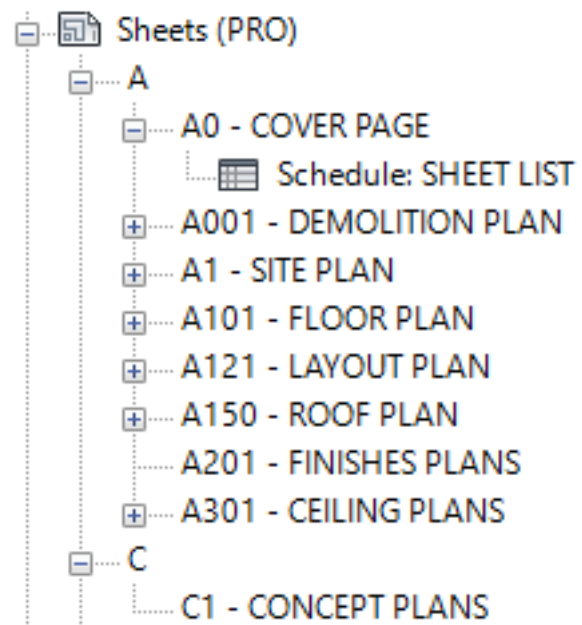
Organizing sheets

Use "Leading Characters" of the Sheet Number.

Organizing the Project Browser
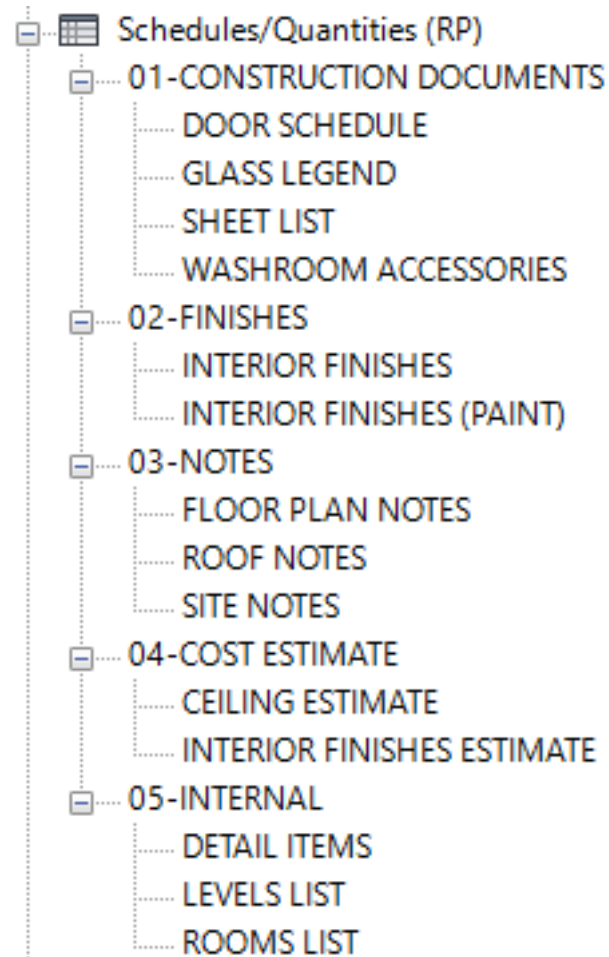
Organizing schedules

- Use "sorting parameter".

Organizing the Project Browser

Set up naming standards for your views.

1.0_FLOOR PLANS

[Level]
Example: Level 1

1.1a_FLOOR PLANS EXISTING

EX-[Level]
Example: EX-Level 1

1.1b_FLOOR PLANS DEMOLITION

DEM-[Level]
Example: DEM-Level 1

7.0_3D VIEWS

[VIEW-NUMBER]-3D-[DESCRIPTION]
Example: 01-3D-Main Hall

Setting up Naming Conventions

RP_TAG_Wall-Type
RP_TAG_Window
RP_TB_A0
RP_TB_A1
RP_TB_A3
RP_TB_A4
RP_TB_ArchA-Letter
RP_TB_ArchB-11x17
RP_TB_ArchD
RP_TB_ArchE
RP_TB_Welcome_Page
RP_VIEW_Callout Head
RP_VIEW_Elevation Mark Body Exterior

Set a standard way of naming families and views.

Family without the proper name: outsider family.

View Templates & Filters

Names:

1.1_SITE PLAN
1.2_FLOOR PLAN NEW
1.2a_FLOOR PLAN EXISTING
1.2b_FLOOR PLAN DEMOLITION
1.3_FLOOR PLAN FINISHES
1.4_FLOOR PLAN CALLOUTS
2.1_CEILING PLAN NEW
2.1a_CEILING PLAN EXISTING
2.1b_CEILING PLAN DEMOLITION
3.1_3D VIEWS
4.1_EXTERIOR ELEVATIONS NEW
4.1a_EXTERIOR ELEVATIONS EXISTING
4.1b_EXTERIOR ELEVATIONS DEMOLITIC
4.2_INTERIOR ELEVATION
4.3_PRESENTATION ELEVATIONS
5.1_BUILDING SECTIONS
5.2_WALL SECTIONS
5.3_WALL SECTIONS CALLOUTS
6.1_DETAILS
RP-3D Exploded Axon
RP-3D View Presentation
RP-Architectural Presentation 3D
RP-Presentation Plan
RP-Presentation Site Plan
RP-Section Perspective

- View template name = same name as the view type.

View Templates & Filters

Name	Enable Filter	Visibility
Finishes Walls / Floors	☑	☐
Presentation Views	☑	☐
Site Floors	☑	☐
Dem Views	☑	☐
Floors & Stairs	☑	☑

- Filters are powerful.
- Use them to hide specific elements.
- Hide finishes walls and floors.
- Hide specific types of views.

Scope Boxes

Ensure users waste no time setting up the crop regions.
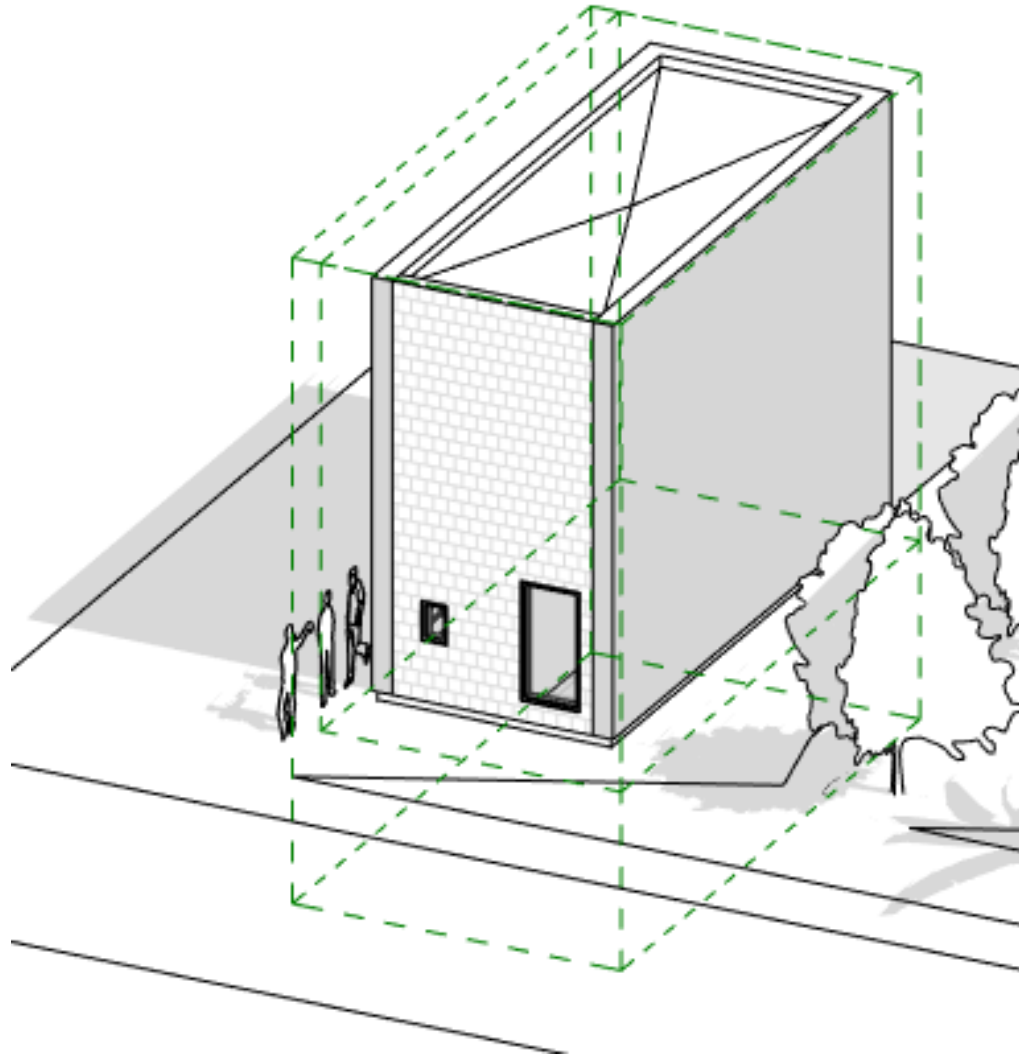
Phases
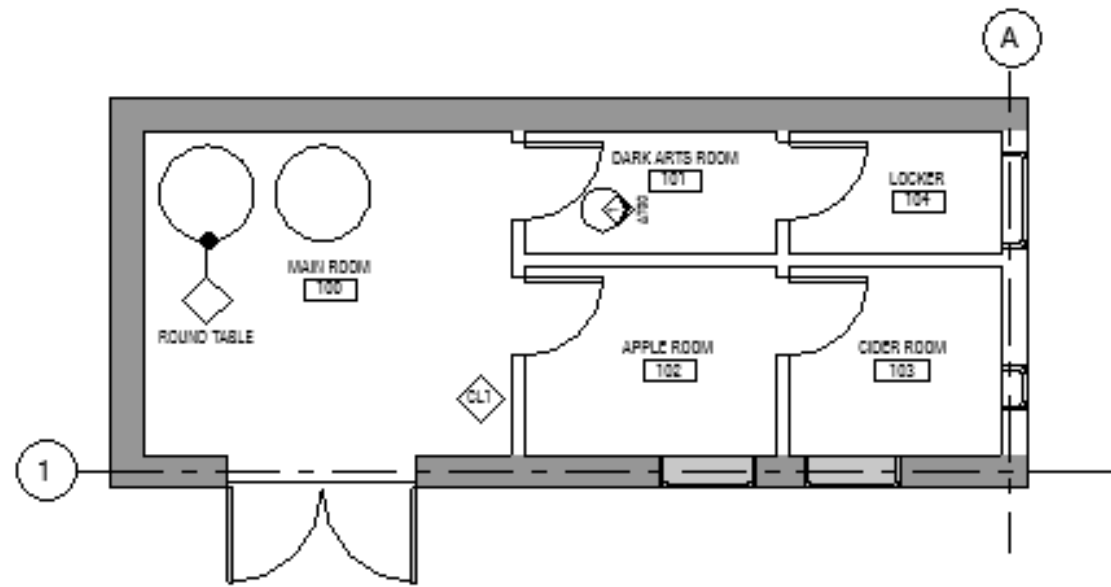
- Set phase filters so the existing elements are in grey.
- Set "Complete" and "Complete - Override" phase filters.
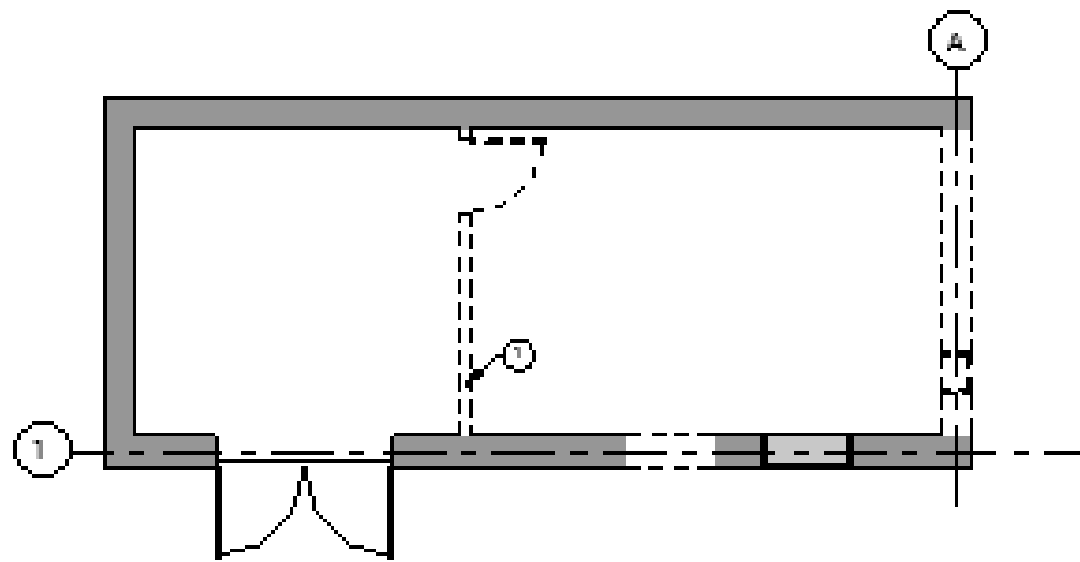
Phases
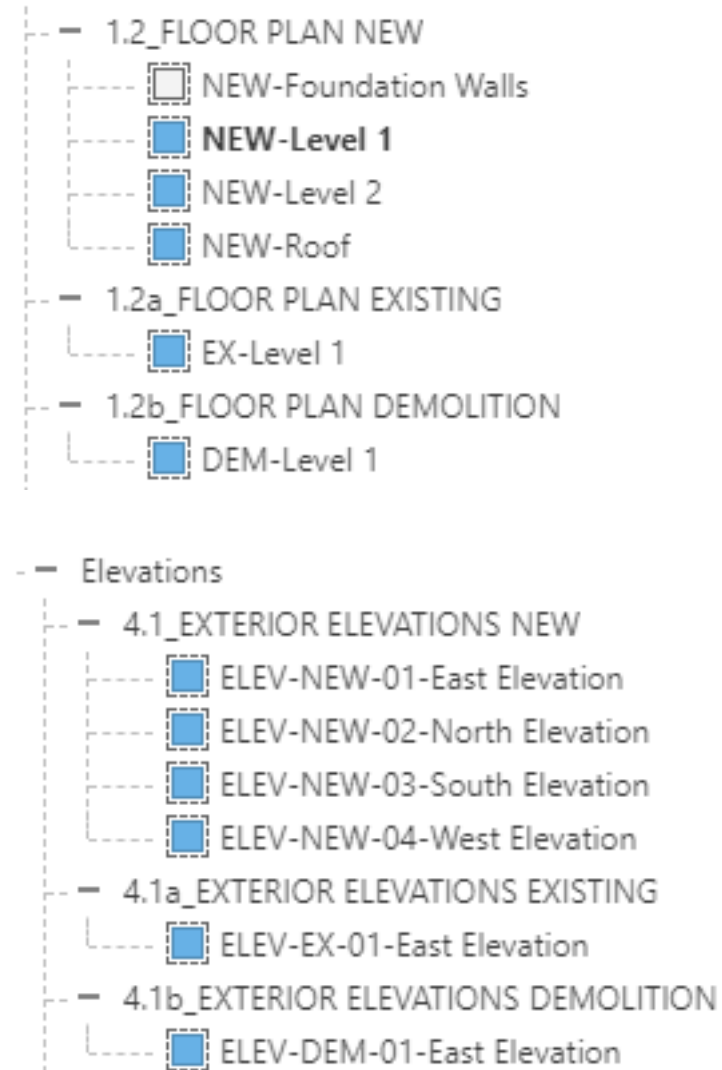
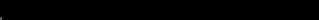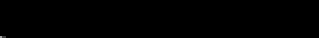- Views:
1.2_NEW
1.2a_EXISTING
1.2b_DEMOLISHED

If not a renovation project, view types 1.2a and 1.2b can me deleted.

Title Blocks

Sheet included with all title blocks.

Linestyles

────────	RP-1-Blue
─·─·─·─·	RP-1-DashedGreen
────────	RP-1-Grey
─·─·─·─·	RP-1-Membrane
────────	RP-1-Red
─·─·─·─·	RP-2-DashedPurple
─·─·─·─·	RP-3-Membrane
─·─·─·─·	RP-5-DashedRed

────────	1 - 0.10mm
────────	2 - 0.22mm
────────	3 - 0.35mm
────────	4 - 0.5mm
────────	5 - 0.7mm
────────	6 - 1.0mm
────────	7 - 1.4mm
────────	8 - 2.0mm
────────	9 - 3.0mm

Schedules

DOOR SCHEDULE (SHEET)

A	B		C	D	E	F
NO.	ROOM			DOOR		
	FROM ROOM	TO ROOM		TYPE	HEIGHT	WIDTH
LEVEL 1						
99	001			P1	2100	1800
98	001	002		P2	2134	750

DOOR SCHEDULE (WORK)

A	B	C	D	E	F	G	H
Family and Type	NO.	ROOM		DOOR			Phase Cre
		FROM ROOM	TO ROOM	TYPE	HEIGHT	WIDTH	
LEVEL 1							
RP_DOOR_Double-Flush-Panel:	99	001		P1	2100	1800	New
RP_DOOR_Simple: 750mm x 213	98	001	002	P2	2134	750	New

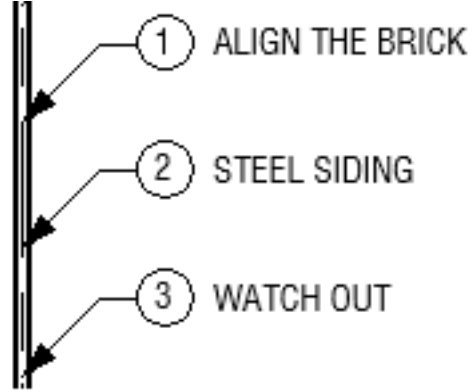Work vs Sheet schedules (thanks Purvi)

Multi-category tag

F1

ROUND TABLE
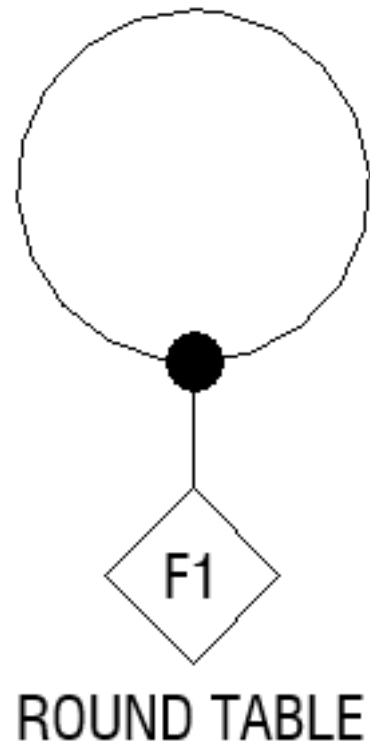
Multi-category tags can replace multiple tag families.

In this case: indicates Type Mark and Description.

Plan Note System
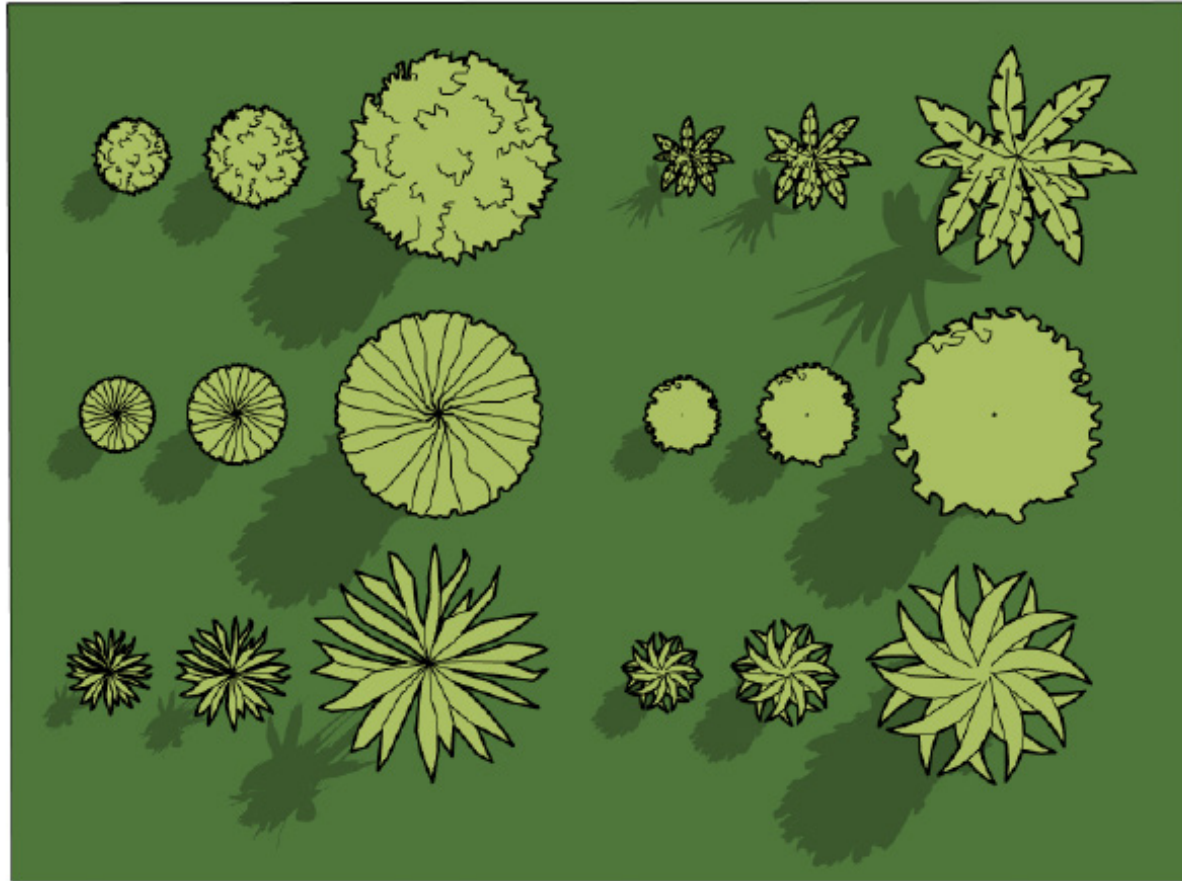

Using a Symbol family to create notes.

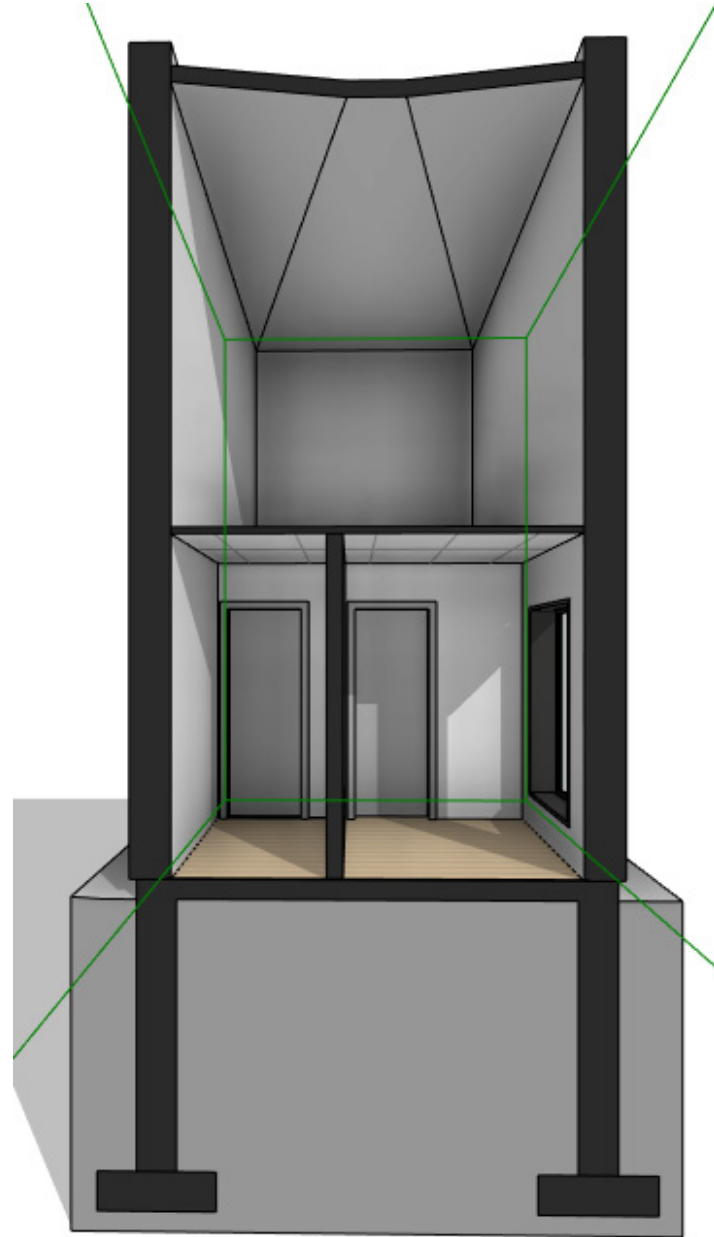Careful how you organize the Note Block schedule.
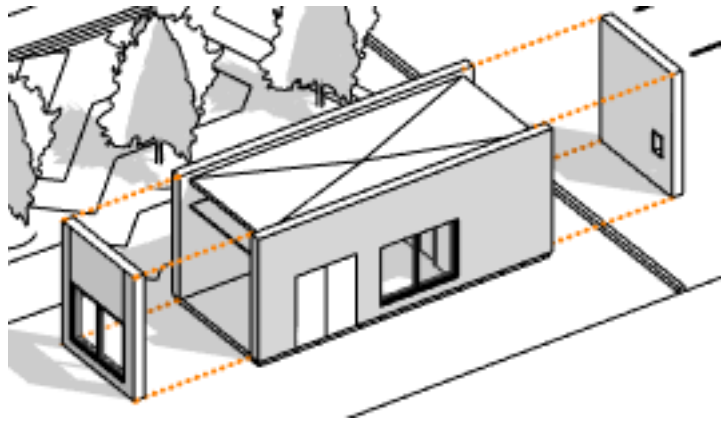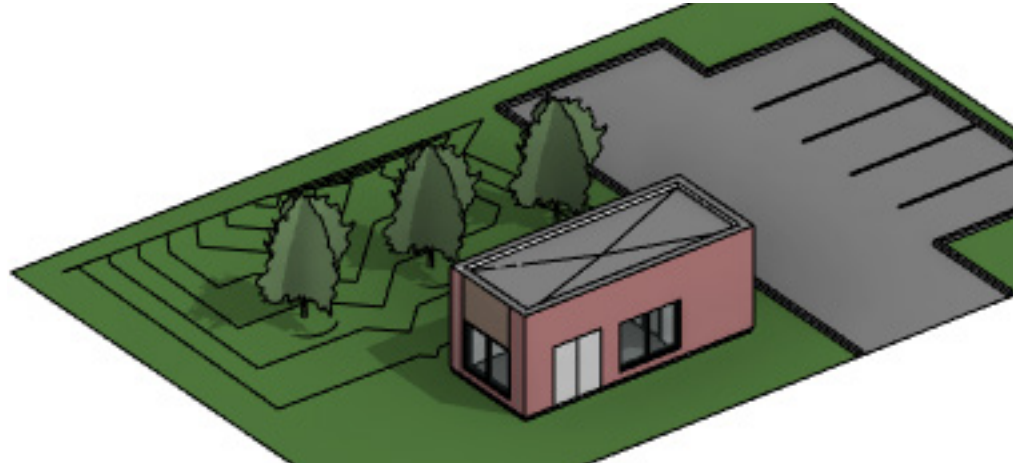
Limitation vs Keynotes.

Tree Families for Plan View

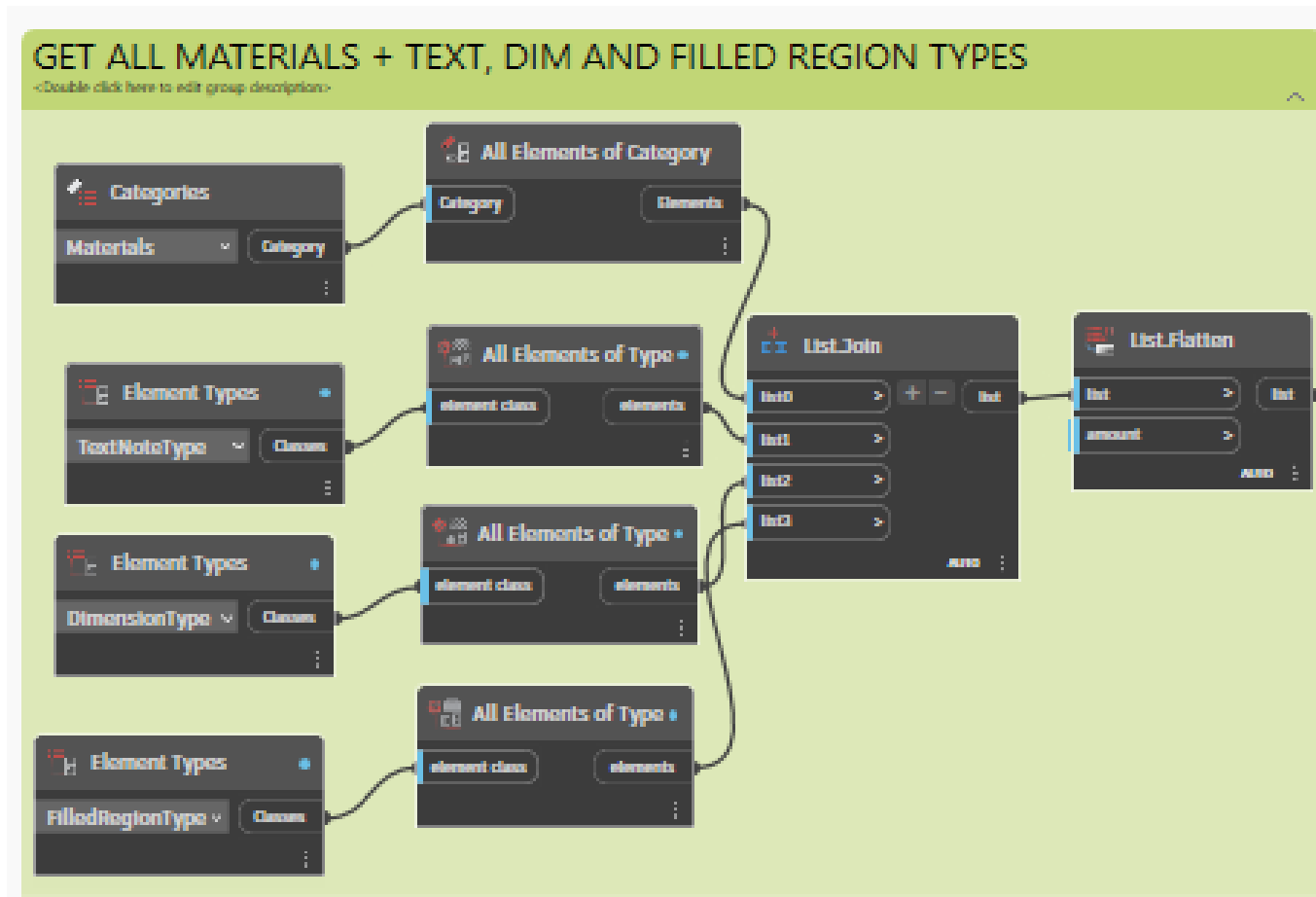Using a CAD file, creating the family over it.

Planting = can be easily scaled.

Presentation View Templates

View Templates included to create presentation 3D views.

Dynamo Scripts to Rename

Modify prefix of and names of elements.

PRO Template

Get the PRO Template:

revitpure.com/protemplate