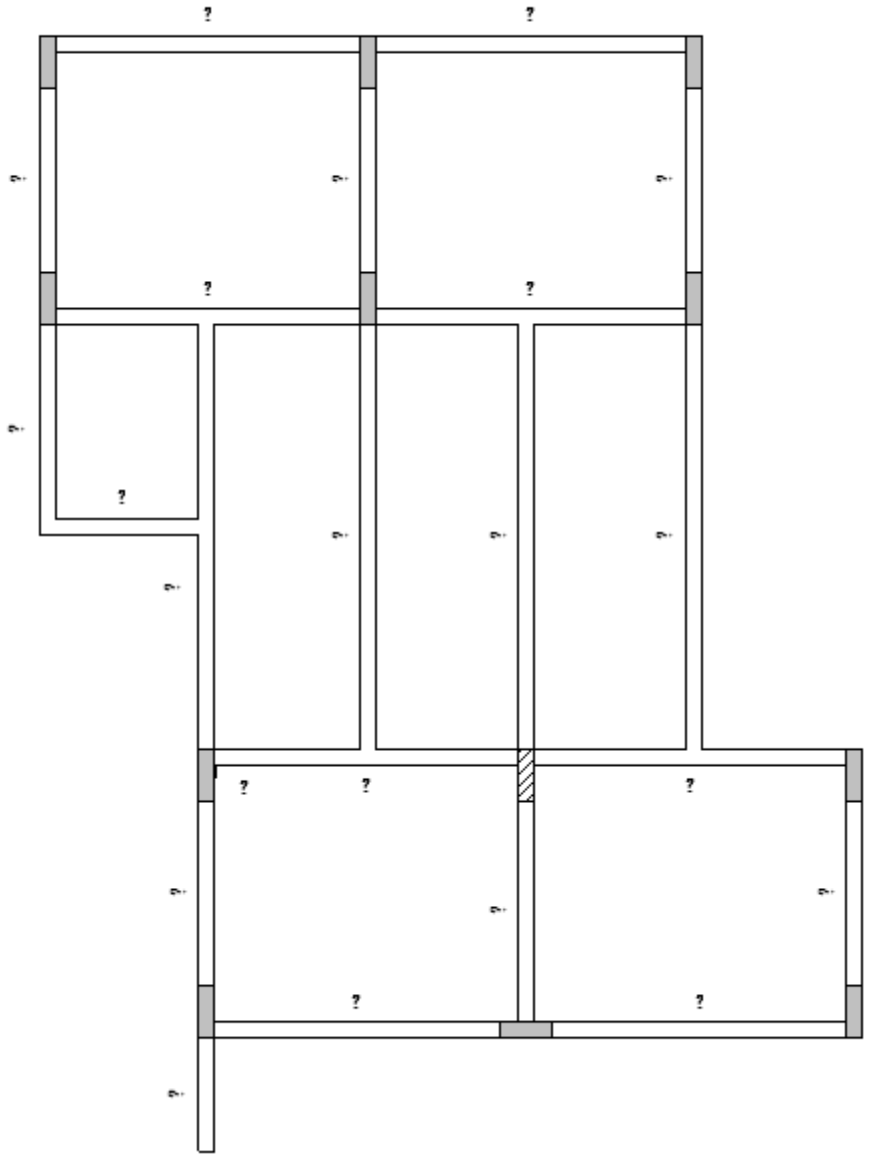
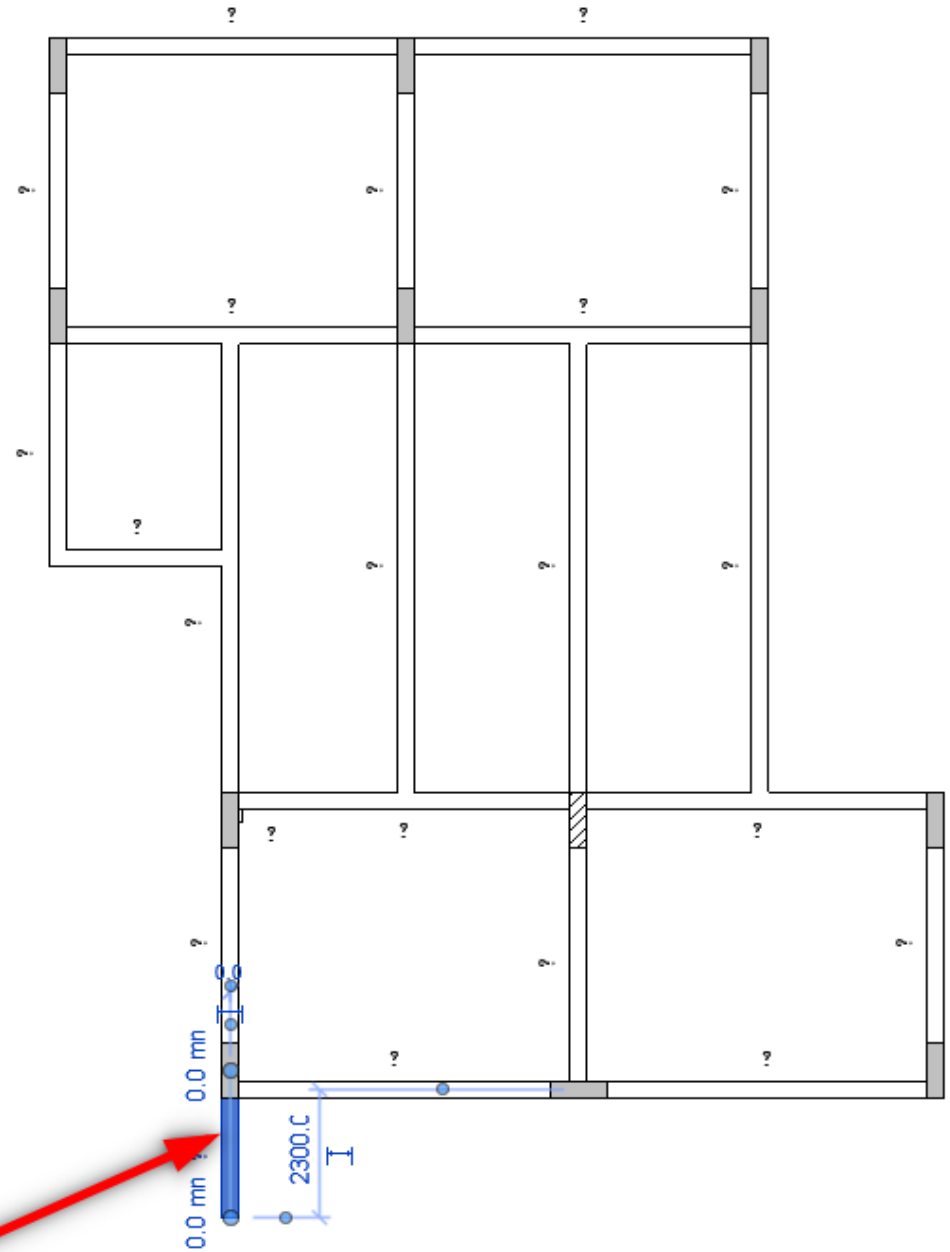
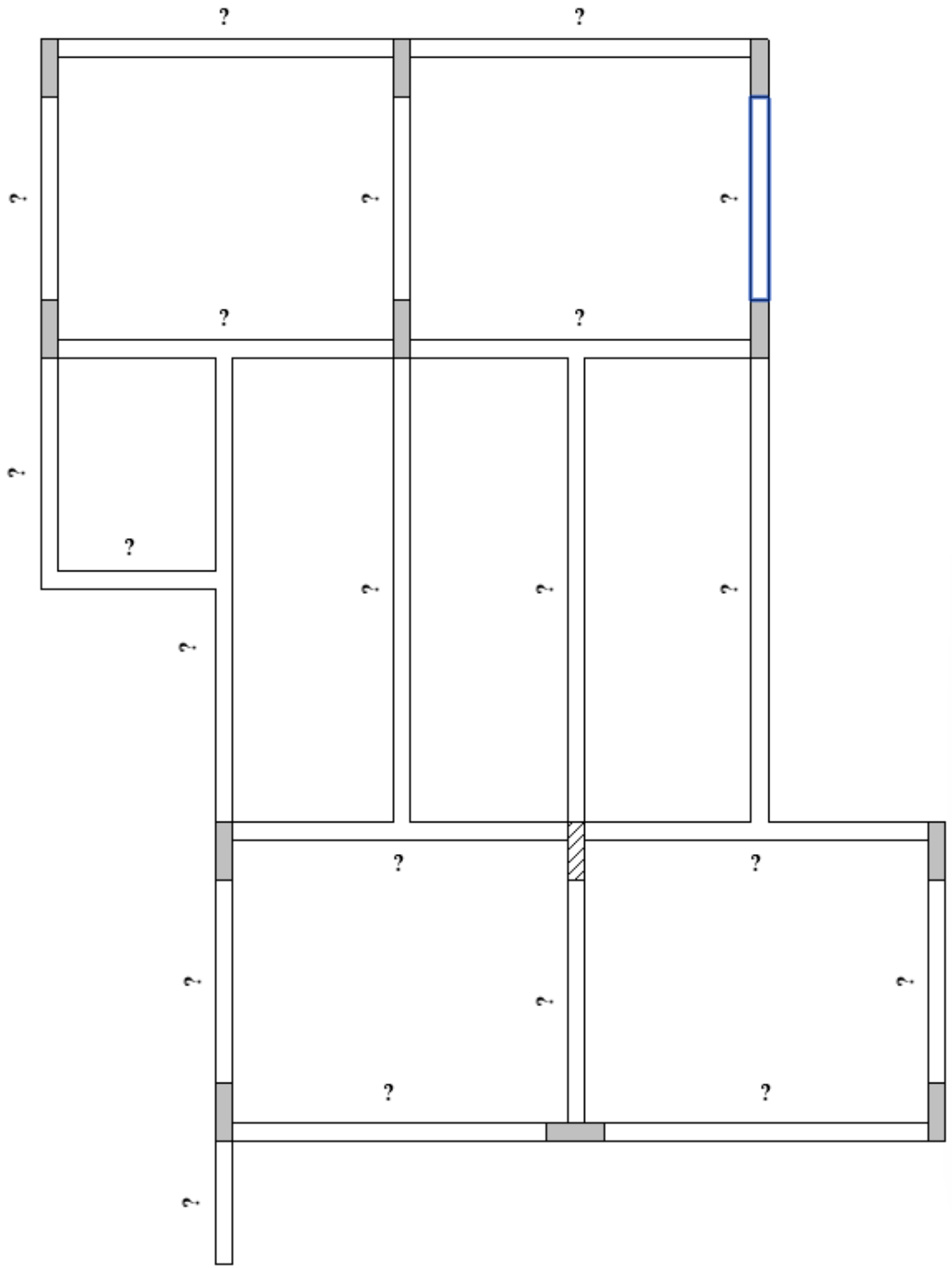
BEAM ANNOTATION AUTOMATION



Assign Tags to all Structural Framing that contains "Mark" parameter



Assign 'y' to "Is Cantilever" Parameter to skip it from numbering



Dynamo Player

Beam1_RUN BEAM ANNOTATION SCRIPT ON ALL BEAMS

Ready

Enter name for Cantilever Beams!! :

CANT.

Enter Suffix for the steel beam!! :

ST

Enter Level Number! :

3

Enter Suffix for Horizontal beam! :

HB

Enter Suffix for Vertical Beams!! :

VB

Number Slider For horizontal Beams :

1

Number Slider Gor Vertical Beams :

1

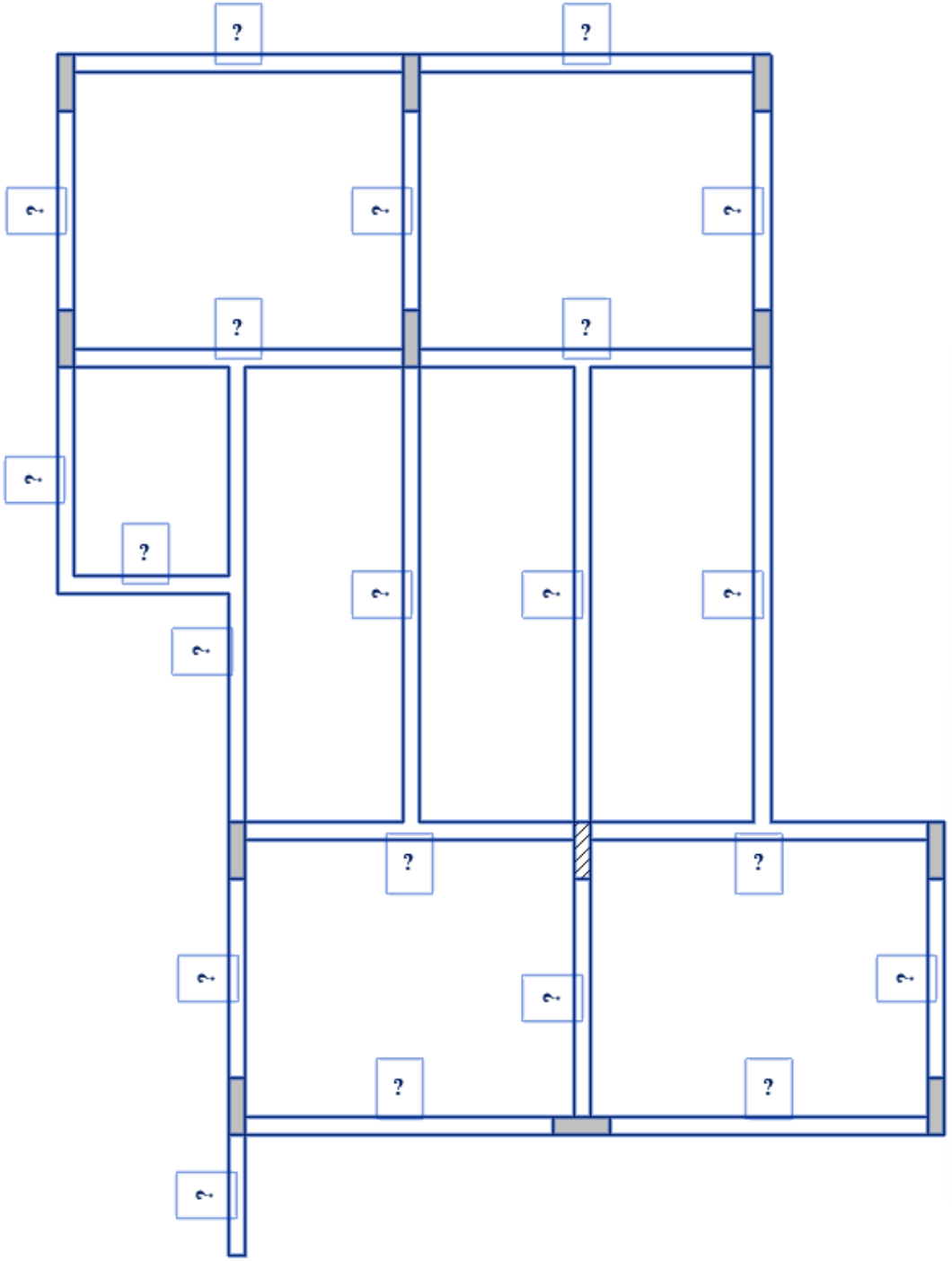
Select Model Elements :

Select

Count: 8 ...show more

Assign Values as required

3rd level_Manilla demonstration_SWAMI_VISHWA.rvt



Dynamo Player

Beam1_RUN BEAM ANNOTATION SCRIPT ON ALL BEAMS

Inputs needed

Enter name for Cantilever Beams!! :

CANT.

Enter Suffix for the steel beam!! :

ST

Enter Level Number! :

Waiting for selection in Revit

Select all Elements

Number Slider For horizontal Beams :

1

Number Slider Gor Vertical Beams :

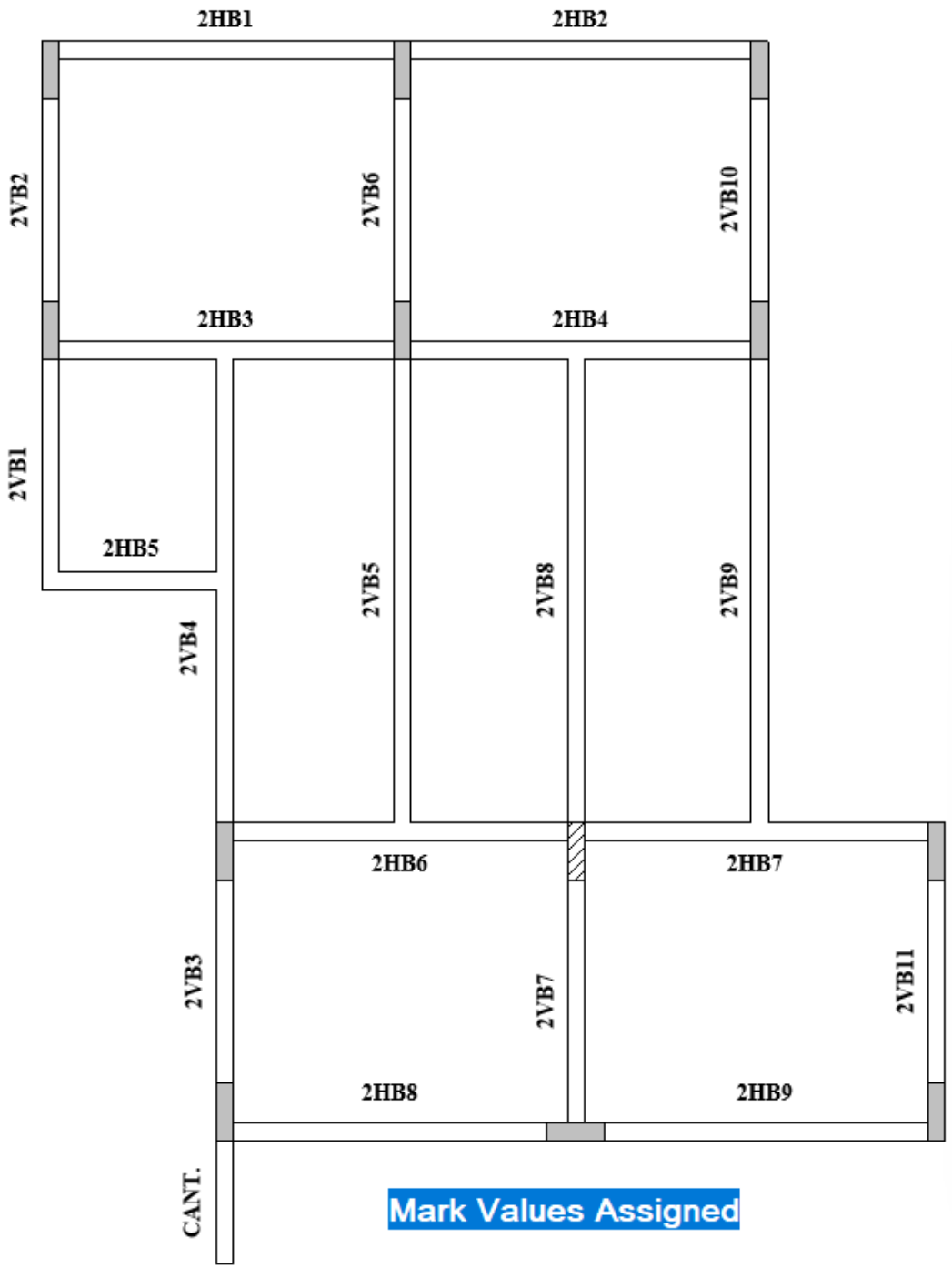
1

Select Model Elements :

Selecting...

Waiting for selection in Revit

3rd level_Manilla demonstration_SWAMI_VISHWA.rvt



Mark Values Assigned

Dynamo Player

Beam1_RUN BEAM ANNOTATION SCRIPT ON ALL BEAMS

Run completed

Enter name for Cantilever Beams!! :

CANT.

Enter Suffix for the steel beam!! :

ST

Enter Level Number! :

2

Enter Suffix for Horizontal beam! :

HB

Enter Suffix for Vertical Beams!! :

VB

Number Slider For horizontal Beams :

1

Number Slider Gor Vertical Beams :

1

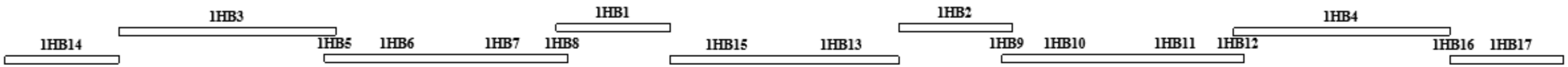
Select Model Elements :

Select

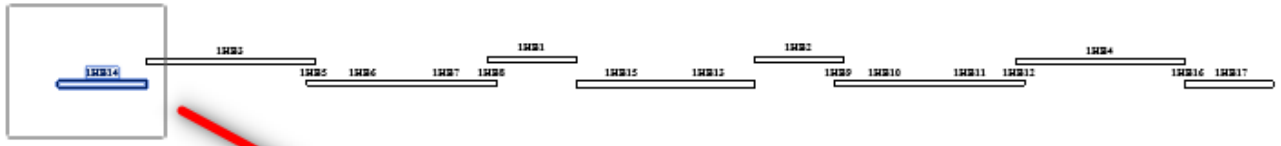
Count: 73 ...show more

3rd level_Manilla demonstration_SWAMI_VISHWA.rvt

Correction is applied to horizontal and vertical beams if numbering is not as per expectations



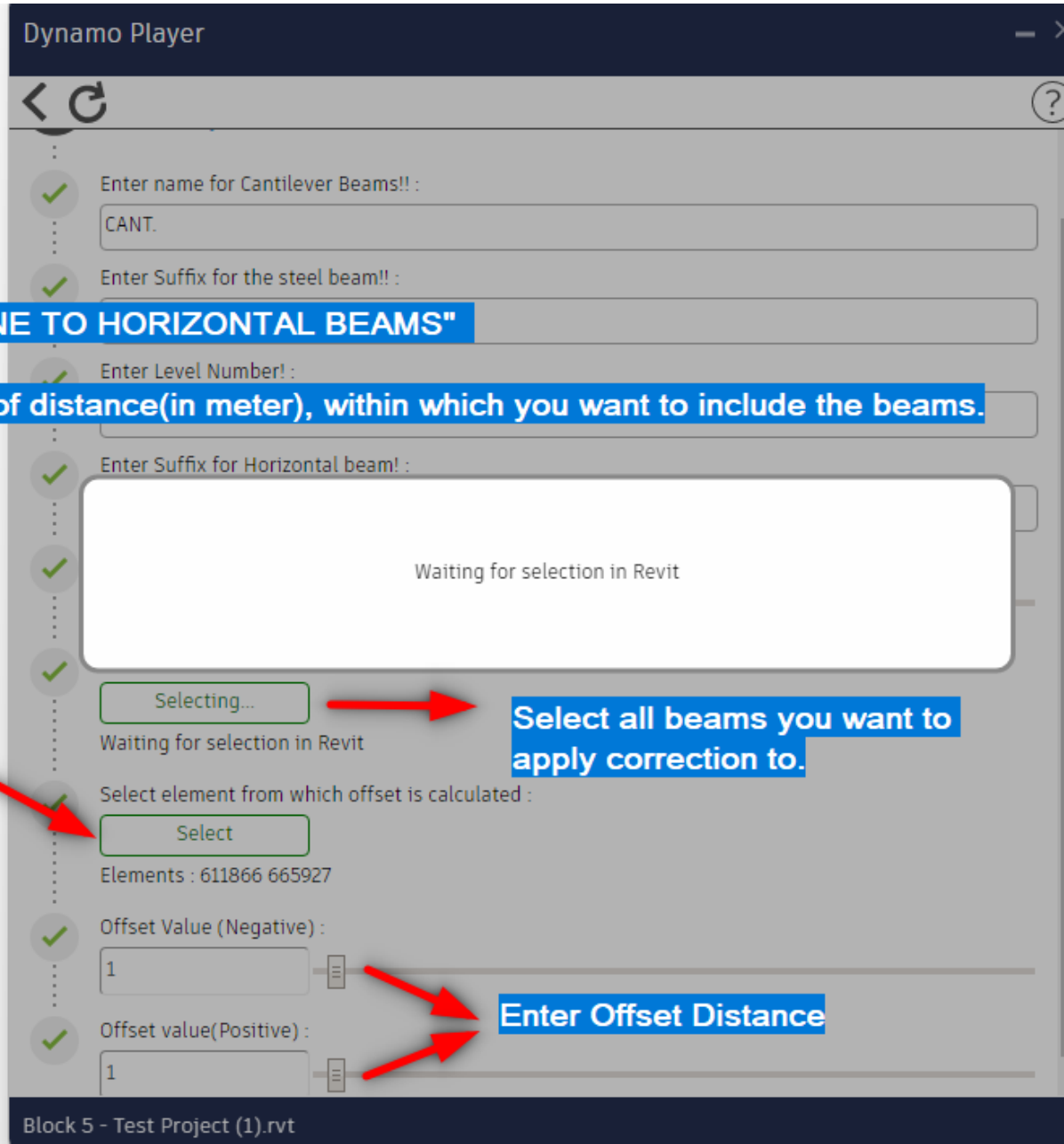
Since, the script number the beams on basis on starting coordinate, the output numbering did not come as per requirement.



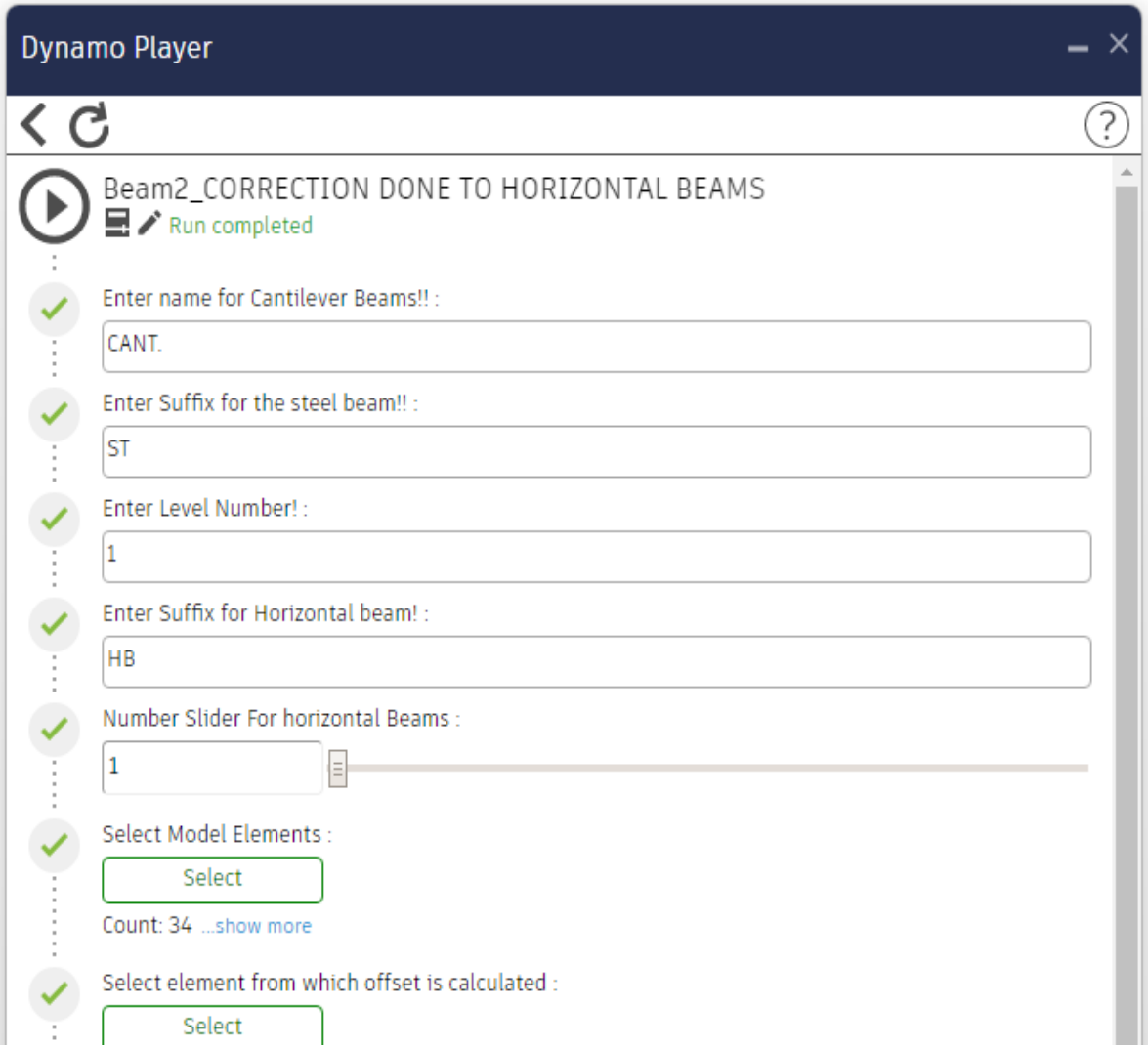
To overcome above problem, sun Script "Beam2_CORRECTION DONE TO HORIZONTAL BEAMS"

Select one beam from which you wanna calculate offset. Enter range of distance(in meter), within which you want to include the beams. (-number to +number)

This correction can be applied to various group of beams



Correction applied to horizontal beams



Same method is applied to vertical beams with scripts “Beam3_ CORRECTION DONE TO VERTICAL BEAMS” scripts