

Northings and Eastings parameters for PHE equipment – Revit Add-in

The default behaviour of Revit does not allow us to schedule the spot coordinates or Northing and Easting values of components.

However, this functionality is particularly desirable for PHE (Public Health Engineering) equipment families such as Manholes, Inspection Chambers etc on large sites.

This tool adds those values to the families belonging to 'Site' category in the form of shared parameters and their values.

As we know, shared parameters can be scheduled as well as tagged.

A shared parameter file has been included in the Resources folder along with the application.

This file can be used as an aid to the process of creating the shared parameters.

Please watch the youtube video for detailed workflow:

https://youtu.be/pCScsidUF_4

Kindly ensure that the families related to Public Health Engineering (PHE) such as Manholes, Inspection Chambers, Gully Traps and Catch Basins etc have been assigned the category of 'Site'.

Prior to running the add-in, kindly ensure that the families related to Public Health Engineering (PHE)

such as Manholes, Inspection Chambers, Gully Traps and Catch Basins etc

have been assigned the category of 'Site'.

Also, please check that the shared parameters named 'Northing' and 'Easting' for this category exist in the project.

You may use the shared parameter file shipped along with this add-in and create those parameters

Once the parameters are created, they can be added as fields in schedule views.

After that it's just a single click process to populate the values in those fields.

The tool would prompt the user to ensure that the families belong to correct categories and have the desired parameters. Since we have already verified these conditions, let's click on the 'Yes' button.

And the job is done!

As you can see in the schedule view that the Northing and Easting values have been populated for all the components belonging to the 'Site' category, including our Inspection Chambers.

Let's check these values in the instance parameters of the Inspection Chamber family.

As you can see, these parameters and their values can be seen under the group named 'Identity Data' in the properties panel.

Please send a mail to Sanjiv.kapila@outlook.com in case of any issues.

Kindly attach the error snapshot along with some contextual information.