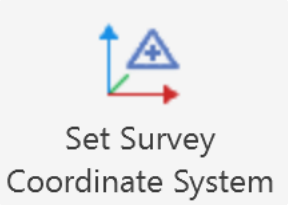
Additional Commands

Here you can find a some additional tools and commands provided by the Qbitec plugin.

- Set Survey Coordinate System
- Measure Points

Set Survey Coordinate System



This command places the Survey Coordinate System (Shared Coordinate System) in the project as saved within a given point cloud. This moves the origin of the survey coordinate system and rotates true north.

Workflow

1. Load a georeferenced point cloud: Qbitec "Insert" with "Center to Center" option.
2. Align the point cloud to your project (rotate and move).
3. "Set Survey Coordinate System" and select the aligned point cloud.
4. Optional: Move the survey symbol to the project area. But first, turn off the paper clip to prevent the survey origin from moving.

Measure Points

This command allows you to pick 3D points directly in the point cloud from any Revit view, including 3D views. It is particularly useful for placing precise reference points in the model space based on real-world captured data. Upon selection, a predefined family symbol is inserted at the chosen location.

Workflow

1. Launch the **Pick 3D Point** command from the Qbitec ribbon.
2. Hover over the point cloud in any view (plan, section, elevation, or 3D).
3. Click to select the desired 3D location. The command will resolve the correct 3D coordinates based on the point cloud data.
4. A reference point family symbol will be placed at the clicked location.
5. Repeat the process to place additional points if needed.
6. Press Esc at any time to cancel the command.

The size of the inserted family symbol can be adjusted using a **type parameter**. You can edit the family type or duplicate it to create variants with different sizes to suit your project scale and visibility needs.