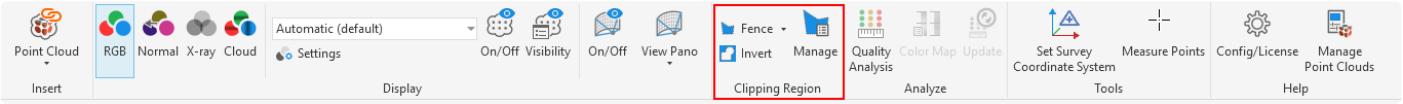
Overview

Large point clouds often contain surrounding context, temporary objects, neighboring buildings, or scan noise that is useful in some situations but distracting in others. Clipping sections provide a fast way to reduce this visual complexity. They are especially helpful when checking a facade, isolating a floor area, reviewing an installation zone, comparing scan data against model geometry, or preparing a focused working view for a repeated workflow.

> **Example**: A user is reviewing scan data around a building entrance. The full point cloud also contains the street, parked vehicles, neighboring facade areas, and scan points behind the entrance zone. Before checking the entrance geometry against the model, the user creates a clipping section around the entrance. The view becomes easier to read because only the relevant scan points remain visible, while the surrounding context can still be restored later by returning to All Points in the clipping manager.

A clipping section is created by drawing shapes on the active view. You choose a clipping tool, draw a region on screen, and Qbitec projects that region through the visible point cloud. The resulting section is applied to the point cloud display. By default, points inside the drawn region remain visible and points outside it are hidden. If the operation is inverted, the drawn region becomes the part that is removed instead.



Clipping tools inside the Qbitec ribbon of Qbitec for Autodesk Revit

Clipping is not limited to a single operation. You can create several sections one after another to refine the result. Consecutive clipping operations narrow the visible set, which is useful when a region must be isolated from more than one view direction. Existing Revit view restrictions, such as a section box or view range, are respected and become part of the effective clipping definition. Saved clipping regions are stored in the Revit project so they can be reused later.

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