

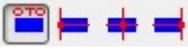
3.7- DRAWING DOOR

To draw door, Draw Door toolbar is displayed by clicking the  button in the main window.



Door drawing can be performed when  button is on and Draw Door toolbar is active.

The value to be entered in  box is the distance between the two clicked points.

If the  option is selected in  buttons, door is drawn left-aligned, based on the value in distance box. If the  option is selected, door is drawn center-aligned, based on the value in distance box. If the  option is selected, door is drawn right-aligned, based on the value in distance box.

When  button is selected, if the second clicked point is to the right of the first one, the software uses the distance between clicked point and the left side of the door as node distance.

When  button is selected, if the second clicked point is to the left of the first one, the software uses the distance between clicked point and the right side of the door as node distance.

When  button is selected, if the second clicked point is above the first one, the software uses the distance between clicked point and the bottom side of the door as node distance.

When  button is selected, if the second clicked point is below the first one, the software uses the distance between clicked point and the top side of the door as node distance.

It is recommended that  button is kept active for functionality.

Door width is entered in  box and door height is entered in  box.

Doors are drawn by clicking twice on the main window. First click marks the reference point of the door. Second click defines the drawing direction of the door. Performing the first click on the axis intersection

point and the next one towards the moving distance over the axis would be appropriate for dividing the wall on the axis and the door to be integrated with the wall. If the door is correctly drawn on the wall, the software will automatically divide the wall into two parts and will create horizontal bond beam over the door.

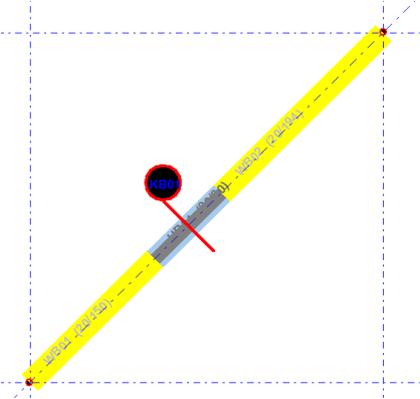
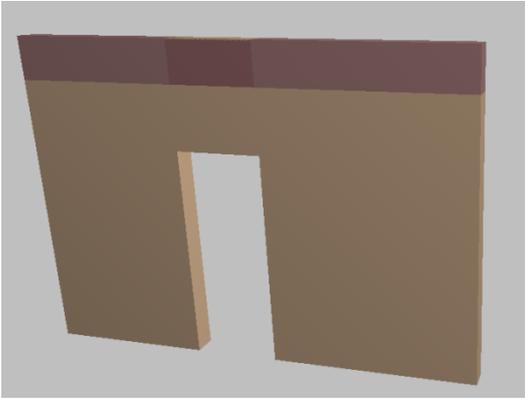


Figure: Correct wall drawing in plan view



Correct wall drawing in 3D view

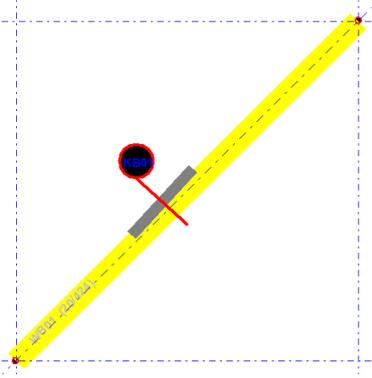
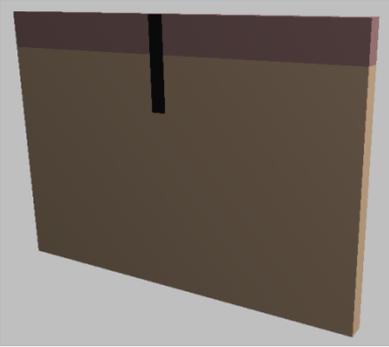


Figure: Incorrect wall drawing in plan view



Incorrect wall drawing in 3D view

 button allows you to modify additional door properties that are not displayed in the toolbar. It is used for extra modifications. Clicking  button displays the Door Properties form.



The image shows a software dialog box titled "Door Properties". It contains five input fields, each with a label, a value, a unit, and a description. The fields are: ID (K1, cm, Door ID), d (80, cm, Door Width), h (200, cm, Door Height), DNM (150, cm, Distance from Node), and KBAA (50, kg/m2, Door Unit Area Weight). At the bottom, there are "Ok" and "Cancel" buttons.

| Property | Value | Unit | Description |
|----------|-------|-------|-----------------------|
| ID | K1 | cm | Door ID |
| d | 80 | cm | Door Width |
| h | 200 | cm | Door Height |
| DNM | 150 | cm | Distance from Node |
| KBAA | 50 | kg/m2 | Door Unit Area Weight |

In addition to the information entered in the Draw Door toolbar, door unit area weight value can be changed in Door Properties form.