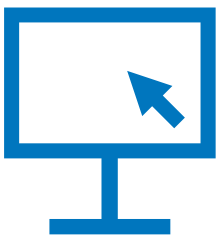
GEBERIT

GEBERIT PROPLANNER 2019

TRAINING MANUAL

INSTALLATION SYSTEMS

KNOW HOW INSTALLED



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1 ABOUT THIS DOCUMENT

Use this Training Manual during training but also to repeat what you have already learned.

You will learn how to work with Geberit ProPlanner with the aid of planning examples.

The topics at a glance:

- User interface with toolbars
- Planning examples
- Keyboard shortcuts

1.1 CHARACTERS AND SYMBOLS

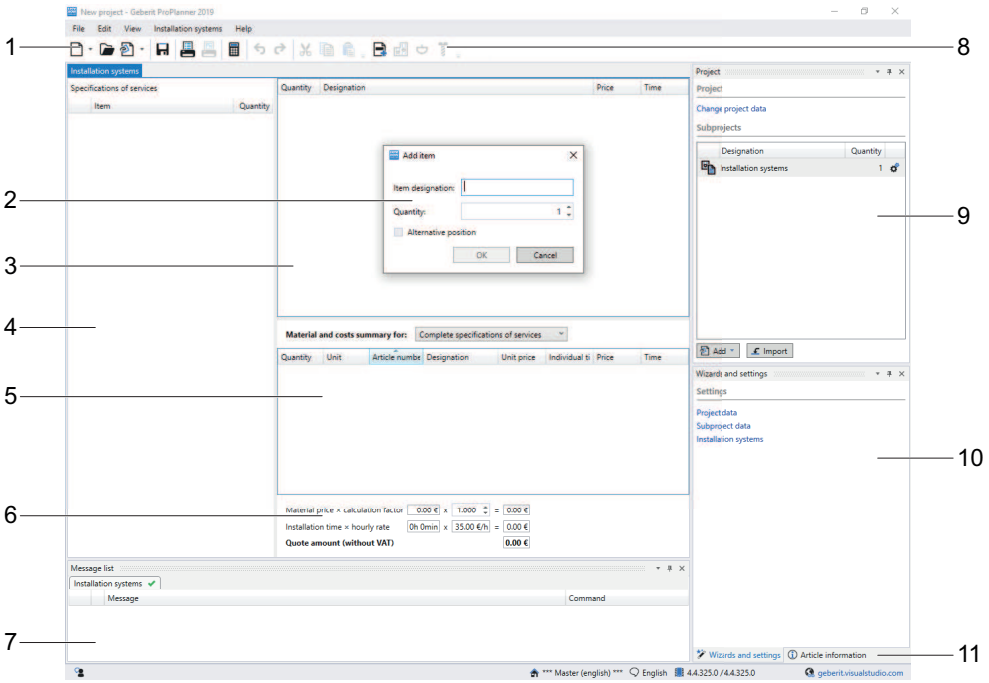
The following characters and symbols are used in this training manual:

Symbol	Designation	Meaning
	Info	Reference to additional information on the subject under Help or in another training manual
	Hint	Hint for an easier or better approach
	Note	Basic information on a specific procedure
▶	Action	Instruction for action consisting of only one step
1. **2.**		Instruction for action consisting of several steps
✓	Result	Result of an action

Find further information using the **Help** menu or by pressing **F1**.

2 USER INTERFACE

The following window appears once you have created a new project with the Installation systems module:



1 General toolbar (see "General toolbar", page 9)
2 **Add item** window
3 **Position elements** area
4 Specifications of services
5 Product material and cost summary
6 Pricing
7 **Message list** window
8 Installation systems toolbar (see "Installation systems toolbar", page 10)
9 **Project** window
10 **Wizards and settings** window
11 **Article information** window

2.1 ADD ITEM WINDOW

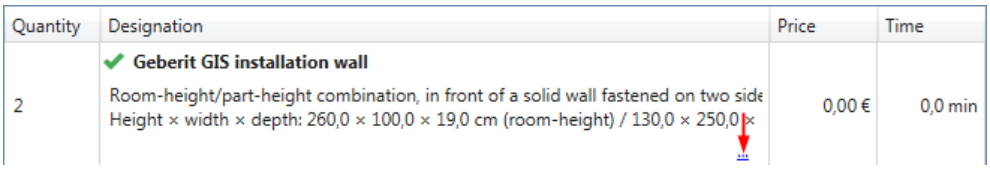
Window for input of position descriptions and number. Appears as soon as a new subproject has been opened or can be called up via the **Add item** button.

2.2 SPECIFICATIONS OF SERVICES

The specification of services lists all the items.

2.3 POSITION ELEMENTS AREA

The **Position elements** area displays the content of an active position from the specification of service, which can be edited by double-clicking on it. Clicking on the button lists detailed information on the wall properties (Objects, Acoustic insulation, Installation system and Panels).



2.4 PRODUCT MATERIAL AND COST SUMMARY

A material and cost summary can be displayed for the total specification of services or for a selected item. The table overview provides information on the Quantity, Article number, Individual and Total price and the Installation time required.

2.5 PRICING

You can adjust the calculation factor for the calculation of the quotation price. The hourly rate can be adjusted in the Project details.

You can find more information on adjusting the hourly rate in the training manual **Installation and basic functions**.

2.6 MESSAGE LIST WINDOW

Information appears in the **Message list** window if errors occur when transferring an old project into a newer version of Geberit ProPlanner. Articles that are no longer in the product range can be adapted in the **Command** field.

2.7 PROJECT WINDOW

The **Project** window displays the project currently open with its subprojects.

You can execute the following functions in the **Project** window:

- Enter project data and subproject data
- Add, delete subprojects etc.
- Import subprojects from other projects

2.8 WIZARDS AND SETTINGS WINDOW

You have the following options in the **Wizards and settings** window:

- **Project data** Entering **Subproject data**
- Entering module settings for **Installation systems**

2.9 ARTICLE INFORMATION WINDOW

As soon as items have been created and calculated, you can call up views, dimensional sketches and installation manuals for articles from the Geberit product range in the **Article information** window. If available, you can call up installation videos on YouTube via a link. You need to be connected to the internet for this.

You can obtain the following information:

- Photo and drawing of a selected article
- Dimensional sketches
- Link to the Geberit product catalogue
- Installation manual and installation notes in PDF format
- ZIP file with CAD drawing in DWG or DXF format
- Links to YouTube videos

The **Article information** appears as soon as you add objects (see "Adding objects", page 32) and articles (see "Adding articles", page 30) to your subproject.

Access additional information under Help at **Installation systems** > **User interface**.

2.10 TOOLBARS

2.10.1 GENERAL TOOLBAR

All basic functions of Geberit ProPlanner can be called up via the General toolbar.

Disabled buttons appear light-grey.

Button	Command
	Create new project
	Open available project
	Add subproject
	Save project
	Show/print lists
	Show/print graphics
	Calculate subproject
	Undo last command
	Redo undone command
	Cut object and copy to clipboard
	Copy object to clipboard
	Paste object from clipboard

2.10.2 INSTALLATION SYSTEMS TOOLBAR

The following additional functions are available for the Installation systems module.

Access all the following functions via the **Installation systems** menu.

Button	Function
	Adding items
	Add installation wall
	Add object
	Add article

2.10.3 PREVIEW TOOLBAR

The following functions are available in the preview of the **Quick entry** window.

Button	Command
	Display floor plan
	Display front side
	Display rear
	Display left wall side
	Display right wall side
	Zoom in to all objects
	Zoom in
	Zoom out
	Select objects Use the arrow keys for placement in cm. Use the arrow keys while simultaneously pressing **STRG** (**CTRL**) when placing in mm.
	Move drawing area The drawing area can be moved in Navigation mode.
	Display dimension lines You can use your mouse to move the dimension lines.

Button	Command
	Printing and exporting The preview can be directly printed or exported in various formats (e.g. 2D CAD, 3D CAD, TIFF or JPG).
	Exporting 3D CAD files You can export the preview as a 3D CAD file (DXF/DWG) as soon as the floor plan is activated.

3 PREPARATION

3.1 ADAPTING THE USER INTERFACE

We recommend using the **Default window arrangement 1** when working with this training manual.

Find out in the **Installation and basic functions** training manual or under Help at **Basics** > **Window layout** how to call up and adapt this window layout.

4 INSTALLATION SYSTEMS PLANNING EXAMPLES

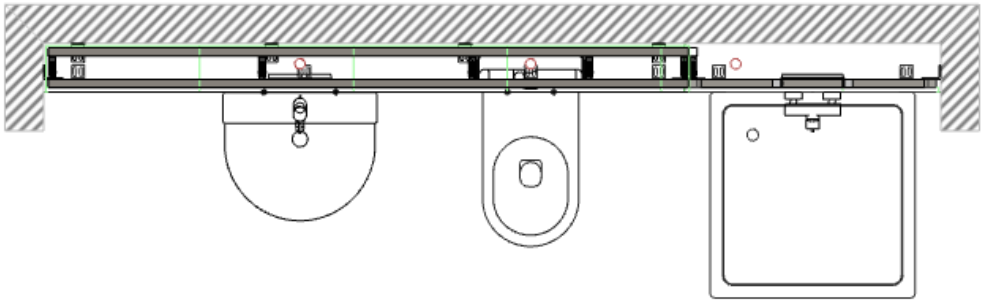
You can quickly and easily create cost estimates, specifications of services and offers for Geberit GIS and Geberit Duofix constructions quickly and easily with the Installation systems module. You can assemble and calculate installation walls, objects and articles as required.

You will learn in steps how to enter installation walls and calculate the material required with the aid of planning examples.

4.1 GEBERIT GIS INSTALLATION WALLS

This chapter covers the following topics:

- Creating a position in the specification of services
- Renaming items
- Entering an installation wall (wall type, dimensions, objects etc.)
- Creating a material and costs summary
- Printing material lists, installation instructions and offers



The plan with all dimensions from this planning example can be found at the end of the training manual (see "Geberit GIS installation walls", page 53).

4.1.1 ITEMS

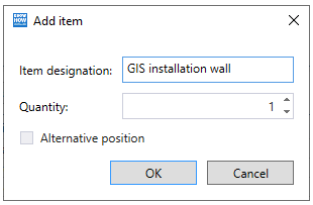
You will need at least one **Item** in the **Specifications of services** to be able to enter an installation wall with the associated material. You have two options for creating an **Item** in the **Specifications of services**, both of which are explained below.

4.1.1.1 ADDING ITEMS AUTOMATICALLY

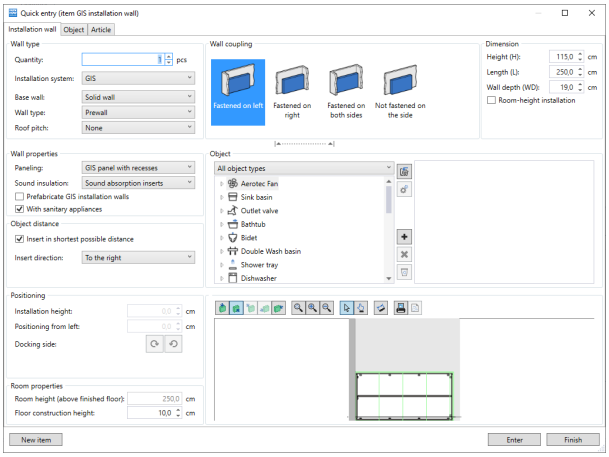
You will be asked to enter an **Item** as soon as you have created a new subproject in the Installation systems module.

1. Enter a **Item designation**, e.g. **GIS installation wall** in the **Add item** window.
2. Define how often an **Item** is to be calculated in the **Quantity** field.

3. Make sure that **Alternative position** is deactivated. Optional items are listed in the **Specifications of services** but are not taken into account in the quotation total.



4. Click on **OK**.
   ✓ The **Item** is added to the **Specifications of services**.
   ✓ The **Quick entry** window appears.

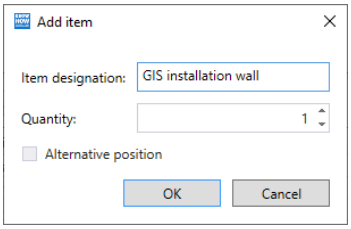


5. Click on **Finish** to close the **Quick entry**.

4.1.1.2 ADDING ITEMS MANUALLY

Proceed as follows if you have inadvertently closed the **Add item** window at the start of a subproject or wish to add another **Item**:

1. Click in the toolbar on **Add item**.
   ✓ The **Add item** window appears.
2. Enter a **Item designation**, e.g. **GIS installation wall** in the **Add item** window.
3. Define how often an **Item** is to be calculated in the **Quantity** field.
4. Make sure that **Alternative position** is deactivated. Optional items are listed in the **Specifications of services** but are not taken into account in the quotation total.

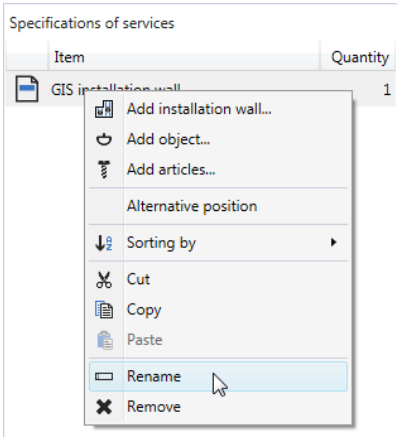


5. Click on **OK**.
   ✓ The **Item** is added to the **Specifications of services**.

4.1.2 RENAMING ITEMS

Proceed as follows if you wish to change the designation of the **Item**:

1. Right-click on the **Item** in the **Specifications of services**.
2. Select **Rename** in the pop-up menu.

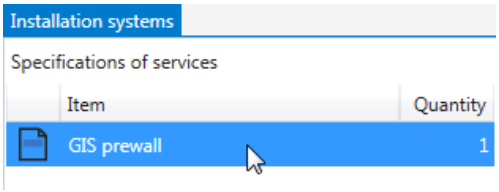


3. Enter the new designation **GIS prewall** and press **Enter**.
   ✓ The designation is applied to the **Item**.

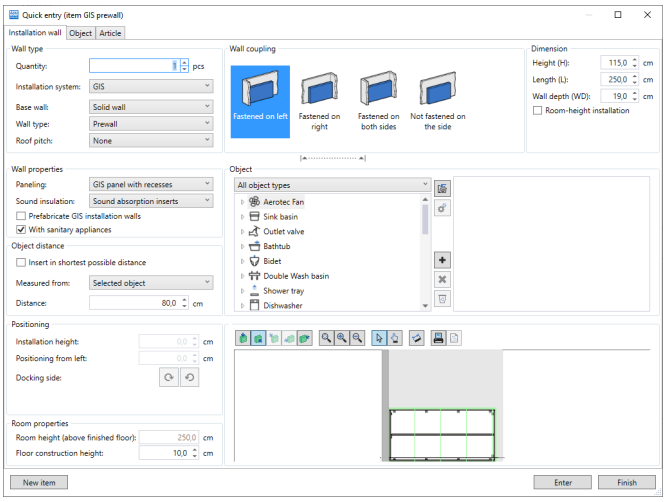
4.1.3 QUICK ENTRY

Use the quick entry to add installation walls, objects and articles to an **Item** in the **Specifications of services**.

1. Highlight the **Item GIS prewall** in the **Specifications of services**.



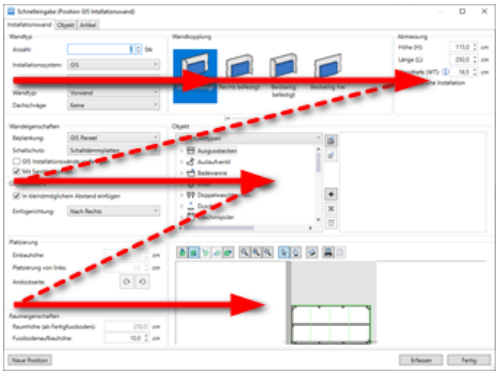
2. Then click in the toolbar on **Add installation wall**.



- You can select objects and calculate a Geberit Duofix/GIS wall in the **Installation wall** tab.
- You can add individual Geberit Duofix/GIS objects with a total quantity of mounting materials in the **Object** tab. You need this tab if you wish to separately specify wall materials and Duofix/GIS objects.
- You will find all the articles you require from the Geberit product range and also additional standard articles in the **Article** tab. You can select and add these articles so that they appear on the material lists.

4.1.4 WALL TYPE AND WALL COUPLING

You can specify the settings for the Geberit GIS installation wall once you have entered an **Item** in the **Specifications of services** and opened the **Quick entry**. Create the wall from left to right and from top to bottom as many settings are dependent on each other.



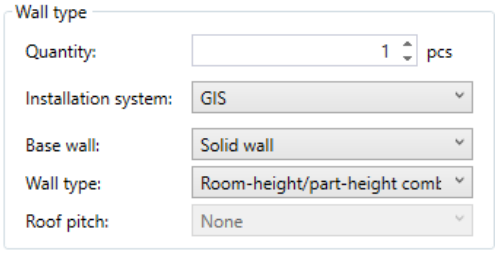
1. Click on the **Tab key** to navigate around the **Quick entry**.

4.1.4.1 SELECTING THE WALL TYPE

The selection of the wall type has a direct effect on the visualisation in the **Wall coupling** area, the input options in the **Dimension** area and the visualisation in the preview. Therefore, always define the **Wall type** first.

If you have already entered settings in the **Quick entry**, they are deleted as soon as you change the **Installation system** and the **Wall type**. Objects are removed from the preview.

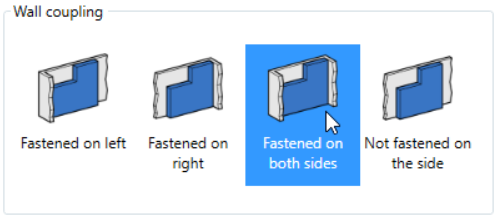
1. Select **Quantity** 1 to enter an installation wall.
2. Specify **GIS** as the **Installation system**.
3. Select **Solid wall** as the **Base wall**.
4. Select **Room-height/part-height combination** as the **Wall type**.



4.1.4.2 SELECTING THE WALL COUPLING

The **Wall coupling** determines on which side the installation wall is connected to the masonry.

► Click **Fastened on both sides**.

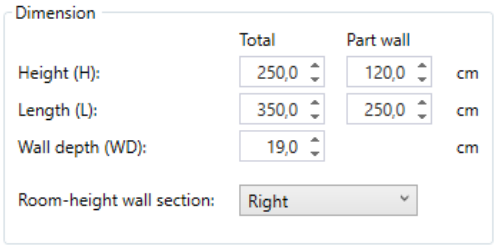


4.1.5 DIMENSIONS AND WALL PROPERTIES

4.1.5.1 DIMENSIONS

Enter the height of the installation wall above the finished floor level in the **Dimension** area. You can also define the length and depth of the wall. Enter the height and length of the part wall in the example as you have selected a room-height/part-height combination as the **Wall type**. The preview will be adjusted accordingly as soon as you have changed the dimensions. If you wish to change the depth of an installation wall, you can do so using the Info symbol in many markets. Call up information on minimum depths. These minimum depths are adjusted to the **Wall type** selected. Leave the setting as the default setting in this example.

1. Select the value **250** in the **Total** field as the **Height (H)** of the room-height wall and **120** for the **Part wall**.
2. Enter the value **350** in the **Total** field as the **Length (L)** of the room-height wall and **250** as the length of the **Part wall**.
3. Enter the value **19** as the **Wall depth (WD)**.
4. Select **Right** in the **Room-height wall section** field.



✓ The preview will be adjusted to the settings accordingly.

Use the button between the **Wall coupling** and **Object** areas to show and hide the **Wall type**, **Wall coupling** and **Dimension** areas. The wall preview is extended when you hide the top part.

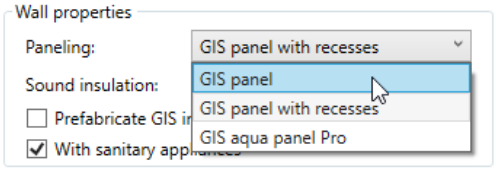
4.1.5.2 WALL PROPERTIES

You can specify the properties of the Geberit GIS installation wall in the **Wall properties** area.

4.1.5.2.1 PANELLING

What kind of panels are to be used to encase the support system? You need to manually cut out the cut-outs for the sanitary connections in the **GIS panel** setting. Appropriately punched panels are calculated for WCs, washbasins and bidets with the **GIS panel with recesses** setting. **GIS aqua panel Pro** is suitable for use in areas exposed to significant amounts of water.

► Select **GIS panel** in the **Paneling** field.

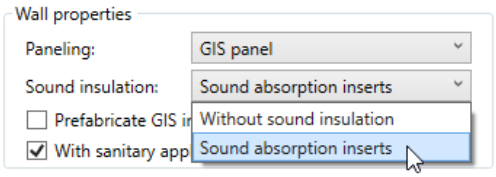


The available panels depend on the respective sales company (market).

4.1.5.2.2 ACOUSTIC INSULATION

Cork insulating strips and sound insulating panels are calculated with the **Sound absorption inserts** setting to reduce structure-borne sound. The **Sound insulation angle bracket** option is also available in some markets with which sound-decoupled mounting brackets are used instead of sound insulating panels. There will be no sound insulation materials if no sound insulation is selected.

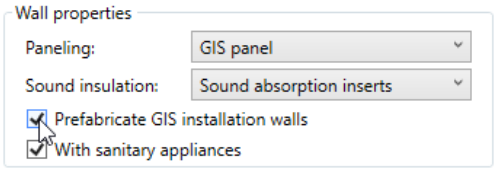
► Select **Sound absorption inserts** in the **Sound insulation** field.

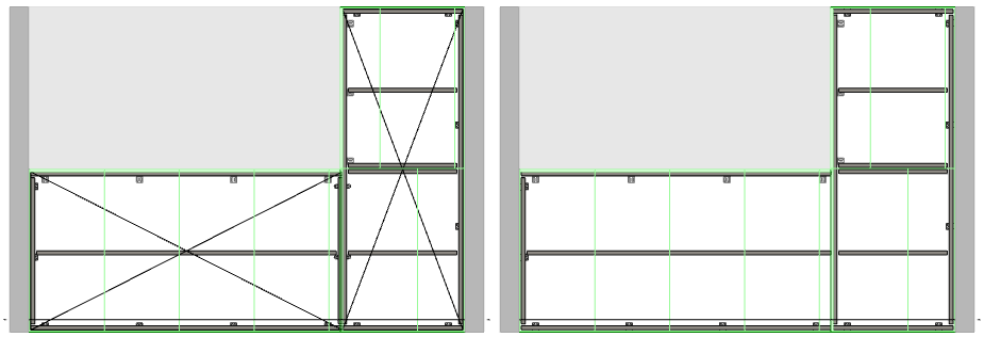


4.1.5.2.3 PREFABRICATING GIS INSTALLATION WALLS

GIS installation walls can be prefabricated to save time and costs. The installation walls are divided into segments that do not exceed a certain size to take into account the structural conditions on site. The preview will change accordingly if Prefabrication is selected.

► Activate the **Prefabricate GIS installation walls** checkbox.





Preview with prefabrication (on left) and without prefabrication (on right)

The maximum segment sizes can be adjusted in Module settings in the **GIS** tab.

You can call up the Module settings once the quick entry has been closed via thje menu item **Installation systems** > **Module settings**.

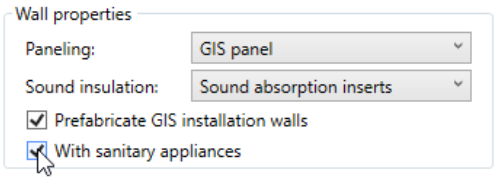
4.1.5.2.4 WITH SANITARY APPLIANCES

You can define whether installation parts for sanitary appliances are to be included in your calculation. The fixing material for the GIS installation elements is taken into account in the material list but not the GIS installation elements if you deactivate **With sanitary appliances**.

The GIS installation elements also appear in the material list if you activate **With sanitary appliances**.

The objects are displayed in the preview.

► Select **With sanitary appliances**.



4.1.6 INSERTING OBJECTS

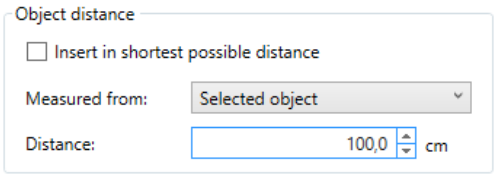
The distance between the object is first defined when inserting objects. You can measure the distance to the left or right wall side or from another object.

Distances are measured from the central axis of the objects. If the objects are placed at the smallest possible distance, then Geberit ProPlanner places the objects at a defined minimum distance. In this case, the plan does not correspond to the conditions on site but is exclusively used for material determination.

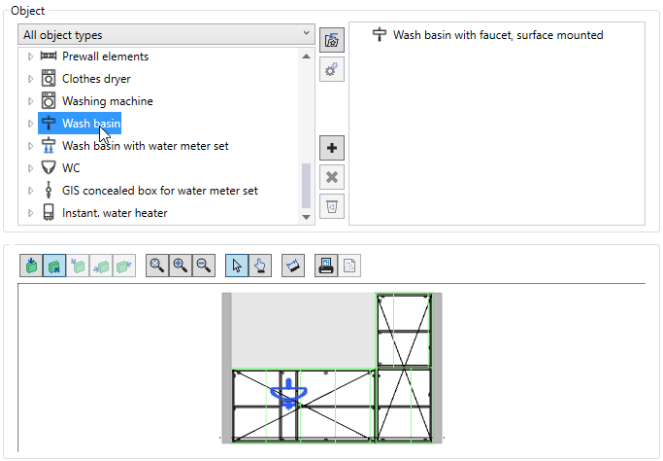
4.1.6.1 INSERTING WASHBASINS

You can select sanitary appliances in the **Object** area to calculate the GIS installation parts you require. The sanitary appliances themselves do not appear on the material lists. The objects are first placed with a default configuration. You will learn in the ‘Configure objects’ chapter (see "Configuring objects", page 24) how to select different configurations for an object.

1. Deactivate **Insert in shortest possible distance** in the **Object distance** area.
2. Select **Selected object** in the **Measured from** field.
3. Enter the value **100** in the **Distance** field.



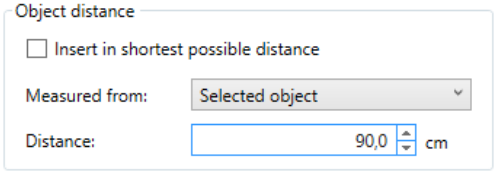
4. Double-click on the **Washbasin** in the **Object** area.
   ✓ The washbasin appears in the right window and is added to the wall in the preview.



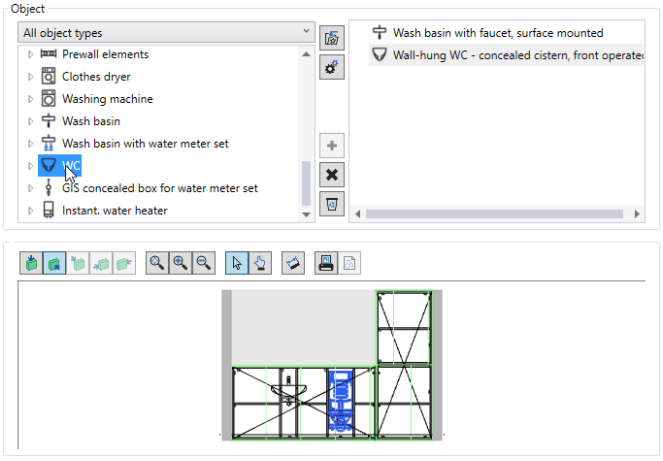
You can zoom into the preview by turning the mouse wheel. Hold down the mouse wheel to move the preview.

4.1.6.2 INSERTING A WC

1. Select **Selected object** in the **Measured from** field. Your selected object is the washbasin highlighted in blue.
2. Enter the value **90** in the **Distance** field. The distance is measured to the right of the blue highlighted washbasin.

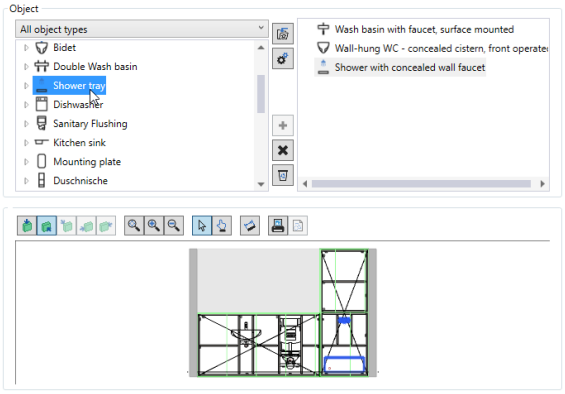


3. Double-click on the **WC**.



4.1.6.3 INSERTING A SHOWER

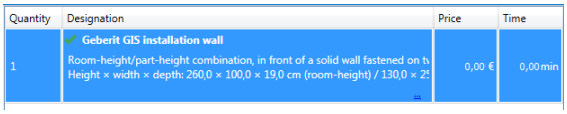
1. Select **Right-hand side of the wall** in the **Measured from** field.
2. Enter the value **50** in the **Distance** field.
3. Double-click on the **Shower**.



4.1.6.4 APPLYING INSTALLATION WALLS

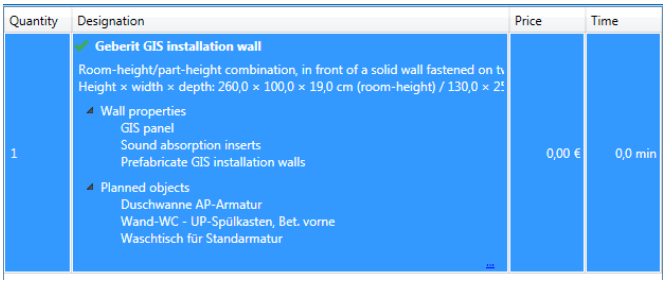
You can create the installation wall once you have entered all the settings in the **Quick entry** and have added the objects. The installation wall is carried over for the selected position into the specification of services and appears in the **Position elements** area. The **Quick entry** remains open and you can enter other installation walls for the selected item or for a new item. Use **Finish** to close the **Quick entry**.

1. Click on **Enter**.
   - ✓ The installation wall appears in the **Position elements** area.
   - ✓ The objects are removed from the preview.
2. Click on **Finish** to close the **Quick entry**.



3. In the Position elements window, click on to call up information on the wall properties.

   - ✓ The wall properties are shown.



4.1.7 PRODUCT MATERIAL AND COST SUMMARY

Once you have created the Geberit GIS installation wall, the quantity of material required, the articles numbers, the individual and total prices and the installation time are displayed in the **Material and cost summary**.

► Click on the **Item** if the **Item** is not enabled in the **Specifications of services**.

✓ The summary for the **GIS installation wall** appears.

Quantity	Designation	Price	Time
1	✔ **Geberit GIS installation wall** Room-height/part-height combination, in front of a solid wall fastened on tv Height × width × depth: 260,0 × 100,0 × 19,0 cm (room-height) / 130,0 × 25 ...	0,00 €	0,0 min

Material and costs summary for: Complete specifications of services

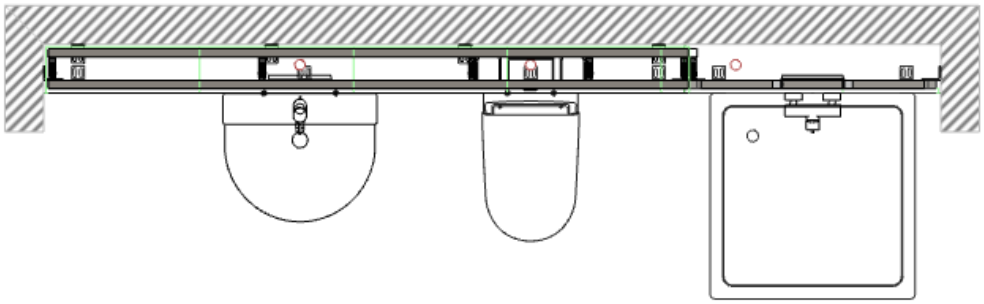
Quantity	Unit	Article numbe	Designation	Unit price	Individual ti	Price	Time
1,00	pcs		Einlocharmatur	0,00 €	0,0 min	0,00 €	0,0 min
1,00	pcs		Duscharmatur AP	0,00 €	0,0 min	0,00 €	0,0 min
28,91	m	461.000.25.1	GIS Profil Länge 5m	0,00 €	0,0 min	0,00 €	0,0 min
20,00	pcs	461.002.00.1	GIS Montagewinkel	0,00 €	0,0 min	0,00 €	0,0 min
8,00	pcs	461.003.00.1	GIS Verbindungsstü	0,00 €	0,0 min	0,00 €	0,0 min
20,00	pcs	461.014.00.1	Schalldämmunterlag	0,00 €	0,0 min	0,00 €	0,0 min
2,00	pcs	461.022.00.1	GIS Verbindungslasc	0,00 €	0,0 min	0,00 €	0,0 min
8,20	pcs	461.025.00.1	GIS Paneel 130 x 60	0,00 €	0,0 min	0,00 €	0,0 min
183,00	pcs	461.030.00.1	Paneelschraube 4,2	0,00 €	0,0 min	0,00 €	0,0 min
11,09	m	461.036.00.1	GIS Trennstreifen	0,00 €	0,0 min	0,00 €	0,0 min
34,00	pcs	461.200.00.1	GIS Profilverbinder	0,00 €	0,0 min	0,00 €	0,0 min
1,00	pcs	461.311.00.5	GIS Element für WW	0,00 €	0,0 min	0,00 €	0,0 min
1,00	pcs	461.430.00.1	GIS WT-Set für Stan	0,00 €	0,0 min	0,00 €	0,0 min
1,00	pcs	461.740.00.1	GIS Traverse für AP-	0,00 €	0,0 min	0,00 €	0,0 min
2,98	kg	464.015.00.1	GIS Spachtelmasse	0,00 €	0,0 min	0,00 €	0,0 min

4.2 GEBERIT GIS INSTALLATION WALL ADAPTATIONS

You will understand the basic functions of Installation systems once you have created the Geberit GIS installation wall. The following section deals with other functions that you can use to adapt your plan. Any adjustments are made in the quick entry.

This chapter covers the following topics:

- Selecting object configuration
- Specifying object distances
- Specifying installation height and object position
- Adding articles
- Changing material quantities
- Exporting plans to 3D-CAD



The plan with all dimensions from this planning example can be found at the end of the training manual (see "Geberit GIS installation walls", page 53).

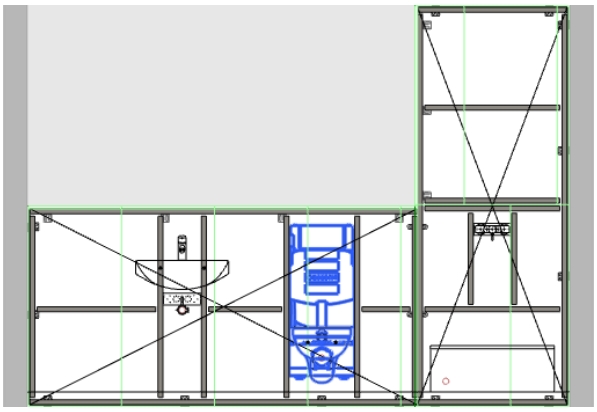
4.2.1 CONFIGURING OBJECTS

In the first planning example you used the default configuration for washbasin, WC and shower (see "Inserting objects", page 20). In the following section you will now meet special configurations. To do so, first delete the WC from the first example and select a new configuration.

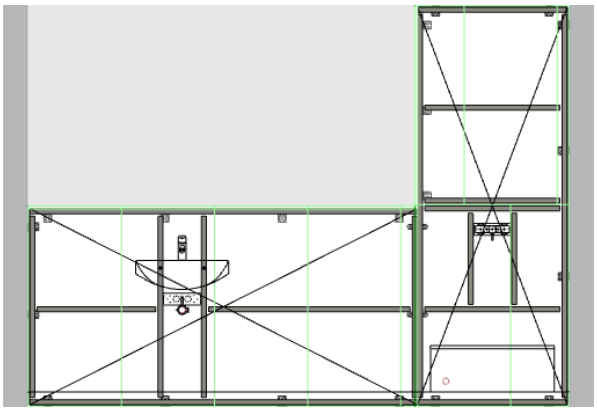
4.2.1.1 ADAPTING WC CONFIGURATIONS

1. If the subproject from the first planning example is not open, then open it in Geberit ProPlanner.
2. Select the **Item GIS prewall** in the **Specifications of services**.
3. Double-click on the Geberit GIS installation wall in the **Position elements** area.
   ✓ The **Quick entry** for the installation wall appears.

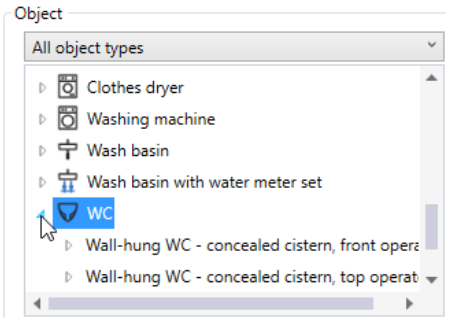
4. Highlight the WC in the preview.



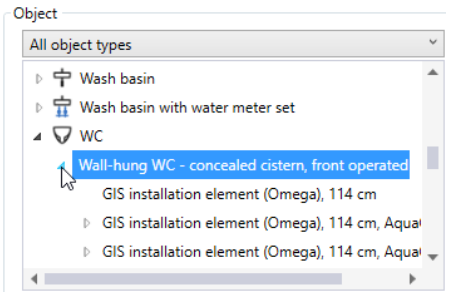
5. Press **ENTF** (**DEL**) to remove the WC.



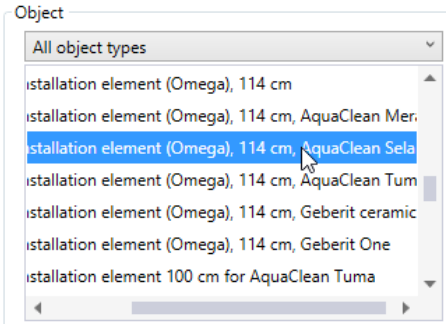
6. In the **Object** area, click on the triangle beside the **WC** to open the directory tree.



7. Open the directory tree under the **Wall-hung WC** with flush-mounted cistern and actuator plate at the front.



8. Highlight a **GIS installation element** for AquaClean Sela.



✓ The configuration for the WC has been selected.

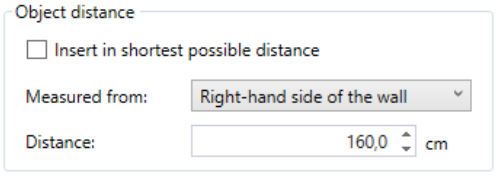
Further information on the configuration of objects can be found in the Help at **Installation systems** > **Add installation wall** > **Object properties**.

4.2.2 OBJECT DISTANCES

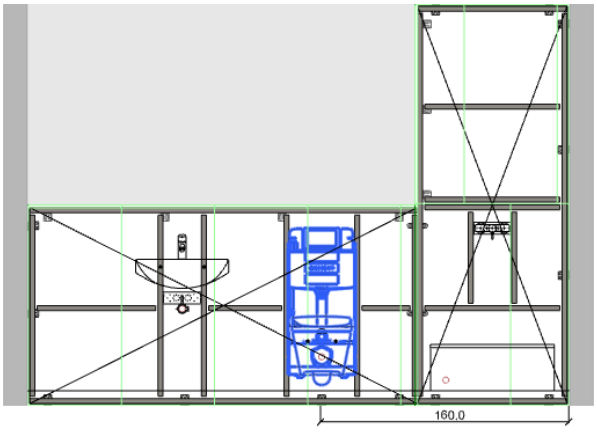
You must specify the object distance to be able to place the WC with the previously selected configuration on the Geberit GIS installation wall. In the first planning example, you set the WC at a defined distance to the right of the washbasin (see "Inserting a WC", page 21). In the following section you will meet other object distances.

4.2.2.1 OBJECT DISTANCE FROM THE RIGHT WALL SIDE

1. In the **Measured from** field in the **Object distance** area, select **Right-hand side of the wall**.
2. Enter the value **160** in the **Distance** field.



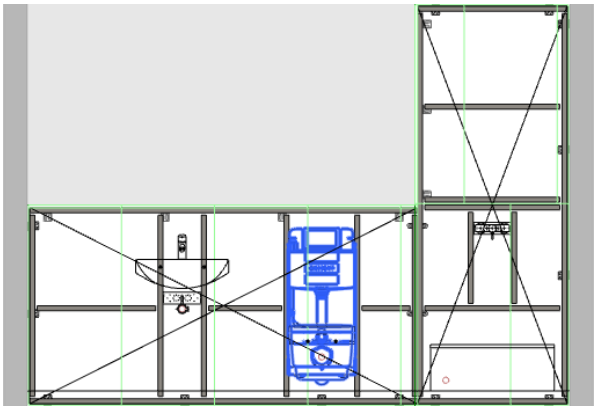
3. In the **Object** area, double-click on the selected **GIS installation element** for the AquaClean Sela (see "Adapting WC configurations", page 24).
✓ The WC is added to the wall in the preview.



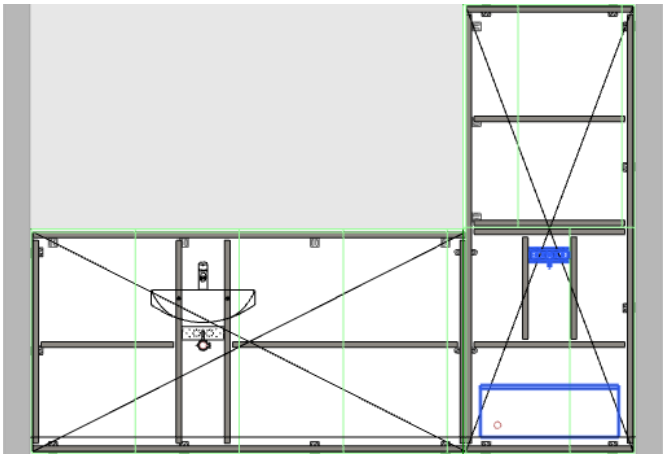
4.2.2.2 OBJECT DISTANCE TO THE LEFT OF THE EXISTING OBJECT

You must enter negative values if you wish to place an object on the left of another object. The WC will now be deleted from the plan and placed at a defined distance to the left of the shower.

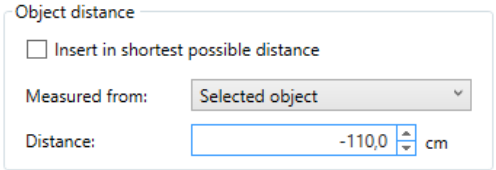
1. Highlight the WC in the preview.



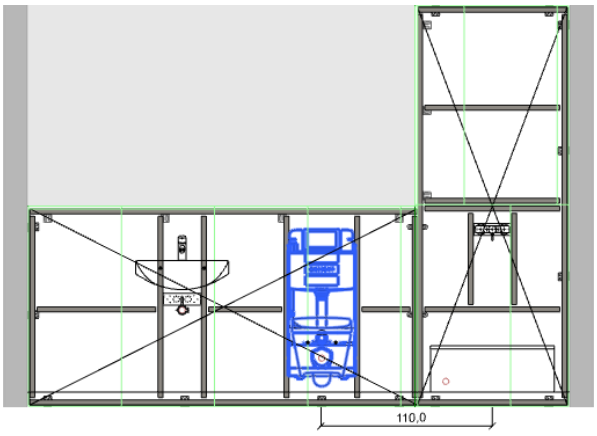
2. Press **ENTF** (**DEL**) to remove the WC.
3. Highlight the shower in the preview.



4. In the **Measured from** field in the **Object distance** area, select **Selected object**.
5. To place the WC to the left of the shower, enter the value **-110** in the **Distance** field.



6. In the **Object** area, double-click on the **GIS installation element** already selected for the AquaClean Sela WC (see "Adapting WC configurations", page 24).
   ✓ The WC is added to the wall in the preview.

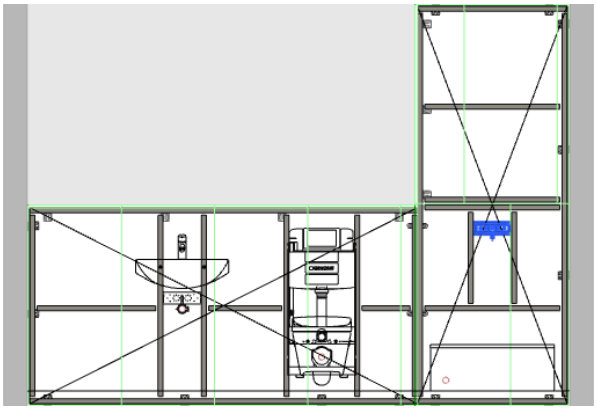


4.2.3 INSTALLATION HEIGHT AND PLACEMENT

You can change the installation height and placement of objects already placed. The installation height is measured from the finished floor level and the placement is measured from the left wall side. The installation height and the placement of the shower tap are now adjusted for the Geberit GIS below.

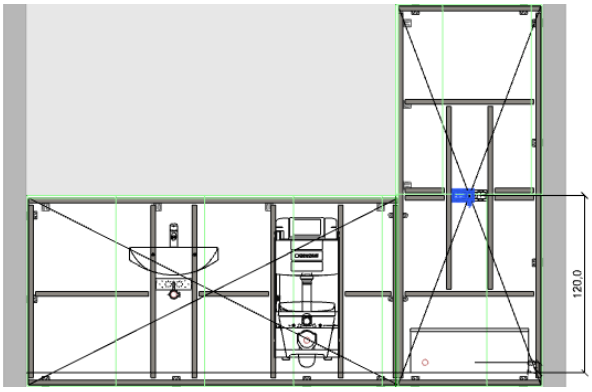
4.2.3.1 ADAPTING THE INSTALLATION HEIGHT

1. Highlight the shower valve in the preview.



2. Select the value **120** as the **Installation height** in the **Positioning** area.

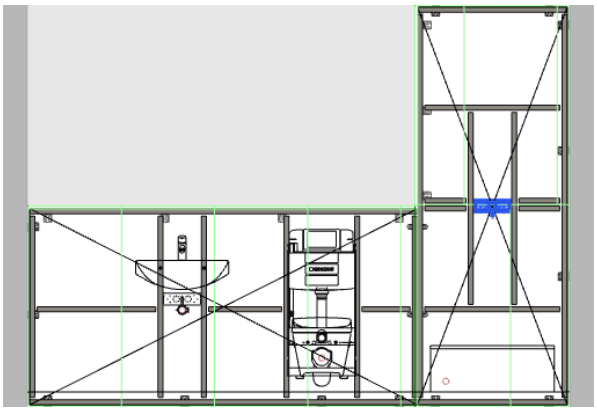
3. Press **Enter** to apply the figure.
   ✓ The shower tap is replaced in the preview.



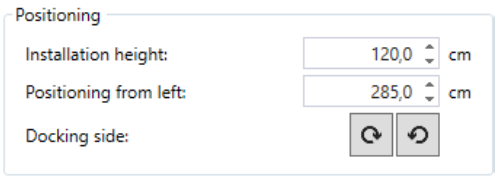
4.2.3.2 ADAPTING PLACEMENTS

You can move the complete object or just the valve with objects with valve. Highlight the shower tray if you wish to move the complete shower. The shower tap is moved in the example.

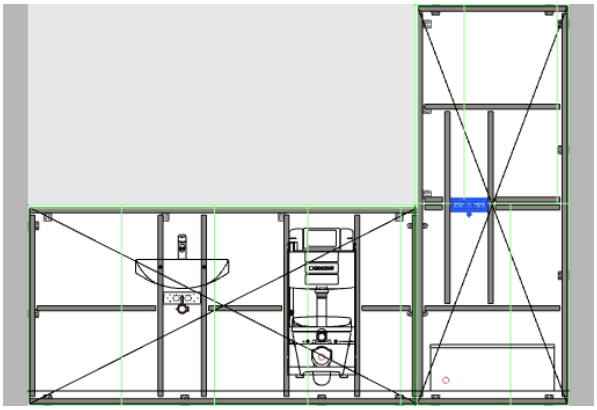
1. Highlight the shower valve in the preview.



2. Enter the value **285** as the **Positioning from left** in the **Positioning** area.



3. Press **Enter** to apply the values.
   ✓ The shower tap is replaced in the preview.



4. Click on **OK** to apply the adjustments for the Geberit GIS installation wall and close the **Quick entry**.

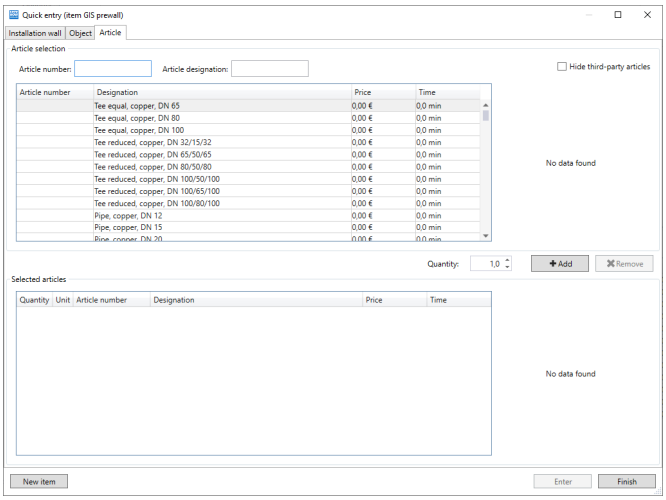
4.2.4 ARTICLES AND OBJECTS

You can add individual articles and objects to the **Specifications of services**. Articles are individual materials that cannot be planned for an installation wall using the **Quick entry**. The function includes all Geberit GIS and Geberit Duofix articles contained in the national product range as well as a selection of standard items from other manufacturers. Objects include installation elements and mounting plates of the appropriate wall type for the sanitary appliances, like the WC and shower.

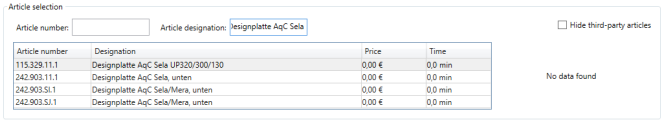
4.2.4.1 ADDING ARTICLES

1. Click on the **Item GIS prewall** if the **Item GIS prewall** is not activated in the **Specifications of services**.

2. Click in the toolbar on **Add articles**.
   ✓ The **Quick entry** appears and the **Article** tab is selected.



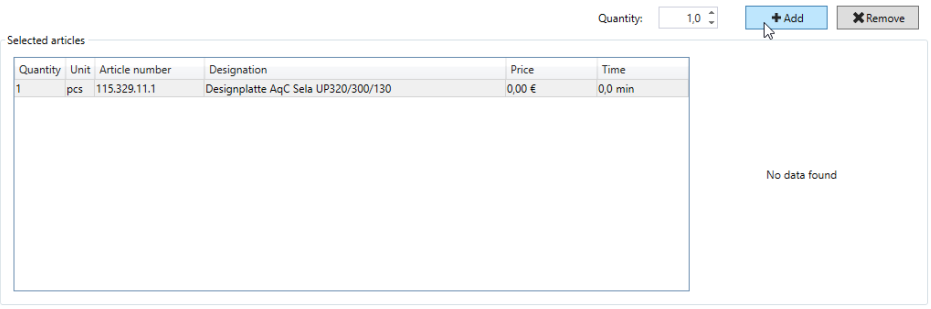
3. Enter the **Design panel for Geberit Aquaclean** you have been looking for in the **Article designation** field.



4. Select the design panel with the **Article number 115.329.11.1**.

If you cannot find the article by entering the article description, then input the article number **115.329.11.1** in the **Article number** field.

5. Leave the **Quantity** as **1** and click on **Add**.
   ✓ The design panel appears in the **Selected articles** area.



6. Click on **Enter**.
   ✓ The design panel is added to the selected item as single material and deleted from the **Selected articles** area.

7. Click on **Finish** to close the **Quick entry**.
   ✓ The design panel appears as a new position element.

In your subproject, you can now see an **Item** in the **Specifications of services** with two position elements, the **GIS prewall** and the **Design panel for AquaClean Sela**. You can add as many position elements as you wish to this **Item**. Position elements can be installation walls, individual materials (articles) or objects.

4.2.4.2 ADDING OBJECTS

You can add additional objects, like articles, to an **Item** via the toolbar or the **Installation systems** menu.

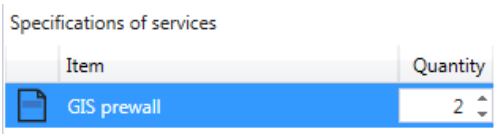
You can find further information on adding articles and objects in the Help at **Installation systems** > **Add article** and **Installation systems** > **Add object**.

4.2.5 CHANGING MATERIAL QUANTITIES

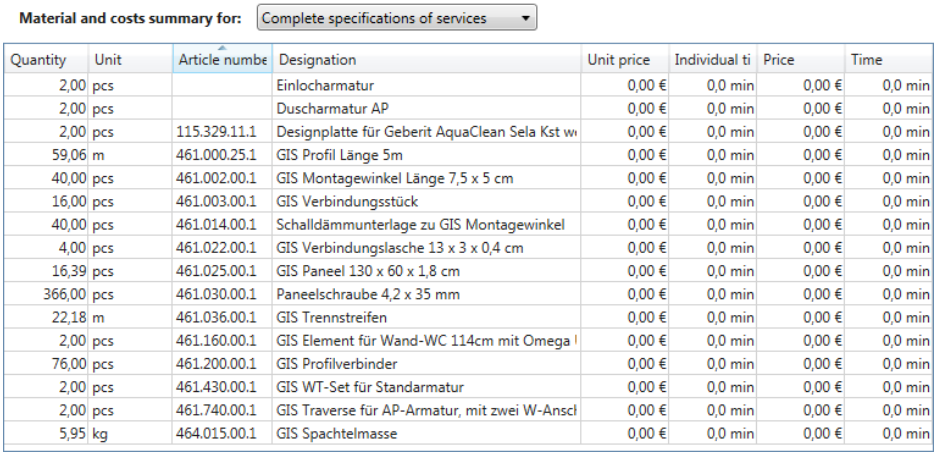
You can change the quantity of material for the complete **Item** or individual position elements.

4.2.5.1 DUPLICATING ITEMS

1. Double-click on the **Quantity** field within **Item** in the **Specifications of services**.
2. Enter the figure **2** to double the total material for the **Item**.



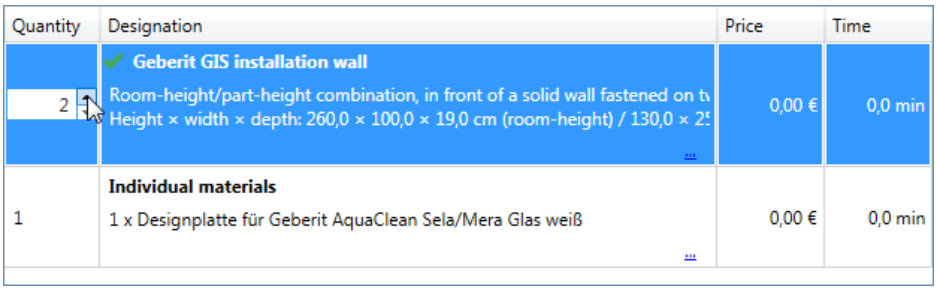
3. Press **Enter** to apply the figure.
   ✓ The quantity of material for the GIS installation wall and the individual material (design panel for Geberit AquaClean Sela) has doubled in the material and cost summary.



Quantity	Unit	Article numbe	Designation	Unit price	Individual ti	Price	Time
2,00	pcs		Einlocharmatur	0,00 €	0,0 min	0,00 €	0,0 min
2,00	pcs		Duscharmatur AP	0,00 €	0,0 min	0,00 €	0,0 min
2,00	pcs	115.329.11.1	Designplatte für Geberit AquaClean Sela Kst w	0,00 €	0,0 min	0,00 €	0,0 min
59,06	m	461.000.25.1	GIS Profil Länge 5m	0,00 €	0,0 min	0,00 €	0,0 min
40,00	pcs	461.002.00.1	GIS Montagewinkel Länge 7,5 x 5 cm	0,00 €	0,0 min	0,00 €	0,0 min
16,00	pcs	461.003.00.1	GIS Verbindungsstück	0,00 €	0,0 min	0,00 €	0,0 min
40,00	pcs	461.014.00.1	Schalldämmunterlage zu GIS Montagewinkel	0,00 €	0,0 min	0,00 €	0,0 min
4,00	pcs	461.022.00.1	GIS Verbindungslasche 13 x 3 x 0,4 cm	0,00 €	0,0 min	0,00 €	0,0 min
16,39	pcs	461.025.00.1	GIS Paneel 130 x 60 x 1,8 cm	0,00 €	0,0 min	0,00 €	0,0 min
366,00	pcs	461.030.00.1	Paneelschraube 4,2 x 35 mm	0,00 €	0,0 min	0,00 €	0,0 min
22,18	m	461.036.00.1	GIS Trennstreifen	0,00 €	0,0 min	0,00 €	0,0 min
2,00	pcs	461.160.00.1	GIS Element für Wand-WC 114cm mit Omega	0,00 €	0,0 min	0,00 €	0,0 min
76,00	pcs	461.200.00.1	GIS Profilverbinder	0,00 €	0,0 min	0,00 €	0,0 min
2,00	pcs	461.430.00.1	GIS WT-Set für Standarmatur	0,00 €	0,0 min	0,00 €	0,0 min
2,00	pcs	461.740.00.1	GIS Traverse für AP-Armatur, mit zwei W-Ansch	0,00 €	0,0 min	0,00 €	0,0 min
5,95	kg	464.015.00.1	GIS Spachtelmasse	0,00 €	0,0 min	0,00 €	0,0 min

4.2.5.2 DUPLICATING POSITION ELEMENTS

1. Click on **Quantity** in the **Position elements** area within the installation wall.
2. Enter the figure **2** to double the total material quantity for the installation wall again.



Quantity	Designation	Price	Time
2	**Geberit GIS installation wall** Room-height/part-height combination, in front of a solid wall fastened on t Height × width × depth: 260,0 × 100,0 × 19,0 cm (room-height) / 130,0 × 2	0,00 €	0,0 min
1	**Individual materials** 1 x Designplatte für Geberit AquaClean Sela/Mera Glas weiß	0,00 €	0,0 min

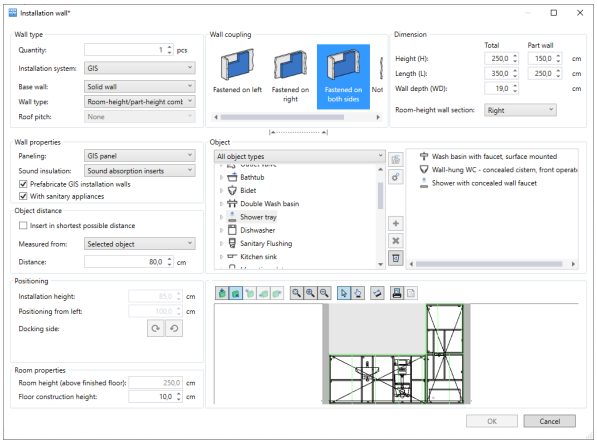
3. Press **Enter** to apply the figure.
   ✓ The quantity of material for the Geberit GIS installation wall has doubled in the material and cost summary but not the quantity of the individual material (design panel for Geberit AquaClean Sela).

Quantity	Unit	Article numbe	Designation	Unit price	Individual ti	Price	Time
4,00	pcs		Einlocharmatur	0,00 €	0,0 min	0,00 €	0,0 min
4,00	pcs		Duscharmatur AP	0,00 €	0,0 min	0,00 €	0,0 min
2,00	pcs	115.329.11.1	Designplatte für Geberit AquaClean Sela Kst w	0,00 €	0,0 min	0,00 €	0,0 min
118,12	m	461.000.25.1	GIS Profil Länge 5m	0,00 €	0,0 min	0,00 €	0,0 min
80,00	pcs	461.002.00.1	GIS Montagewinkel Länge 7,5 x 5 cm	0,00 €	0,0 min	0,00 €	0,0 min
32,00	pcs	461.003.00.1	GIS Verbindungsstück	0,00 €	0,0 min	0,00 €	0,0 min
80,00	pcs	461.014.00.1	Schalldämmunterlage zu GIS Montagewinkel	0,00 €	0,0 min	0,00 €	0,0 min
8,00	pcs	461.022.00.1	GIS Verbindungslasche 13 x 3 x 0,4 cm	0,00 €	0,0 min	0,00 €	0,0 min
32,79	pcs	461.025.00.1	GIS Paneel 130 x 60 x 1,8 cm	0,00 €	0,0 min	0,00 €	0,0 min
732,00	pcs	461.030.00.1	Paneelschraube 4,2 x 35 mm	0,00 €	0,0 min	0,00 €	0,0 min
44,36	m	461.036.00.1	GIS Trennstreifen	0,00 €	0,0 min	0,00 €	0,0 min
4,00	pcs	461.160.00.1	GIS Element für Wand-WC 114cm mit Omega	0,00 €	0,0 min	0,00 €	0,0 min
152,00	pcs	461.200.00.1	GIS Profilverbinder	0,00 €	0,0 min	0,00 €	0,0 min
4,00	pcs	461.430.00.1	GIS WT-Set für Standarmatur	0,00 €	0,0 min	0,00 €	0,0 min
4,00	pcs	461.740.00.1	GIS Traverse für AP-Armatur, mit zwei W-Ansch	0,00 €	0,0 min	0,00 €	0,0 min
11,90	kg	464.015.00.1	GIS Spachtelmasse	0,00 €	0,0 min	0,00 €	0,0 min

4.2.6 3D CAD EXPORT

Finally, you can export your plan as a 3D CAD file, possibly to continue working on it in AutoCAD among others.

1. Double-click on **GIS installation wall** in the **Position elements** window.
   ✓ The **Installation wall** window appears.



2. Activate the **Plan view** view in the preview.

3. Click on **3D CAD file**.
   ✓ The **Print/export** window appears.
4. Click on **Export**.

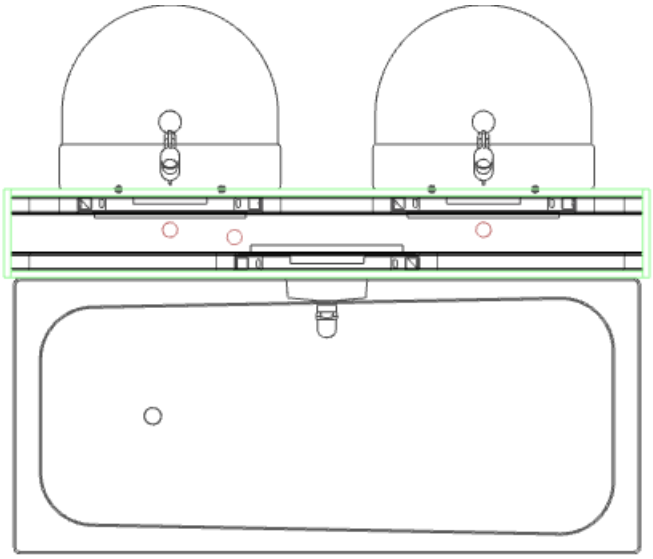
   ✓ The **Save as** window appears.
5. Select the storage location you require and enter a file name.
6. Select the required file type.
7. Click on **Save**.

4.3 GEBERIT DUOFIX INSTALLATION WALLS

Once you have planned the Geberit GIS installation walls in the above planning examples, you will now meet a free-standing partition wall as a Geberit Duofix construction.

This chapter covers the following topics:

- Planning a free-standing Geberit Duofix partition wall
- Inserting and placing a bathtub
- Inserting objects on the reverse of walls
- Adjusting views
- Displaying dimensions
- Selecting different material and costs summaries



The plan with all dimensions from this planning example can be found at the end of the training manual (see "Geberit Duofix partition wall", page 54).

4.3.1 FREE-STANDING PARTITION WALL

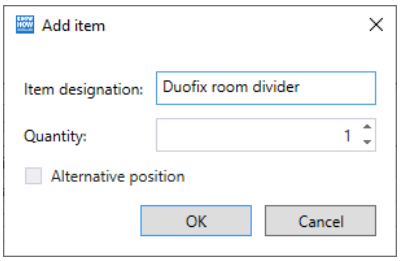
Use the subproject you have used to plan the Geberit GIS installation walls to plan the free-standing partition wall.

4.3.1.1 ADDING ITEMS

1. If the subproject from the first planning example is not open, open it in Geberit ProPlanner.

2. Click in the toolbar on **Add item**.
   ✓ The **Add item** window appears.

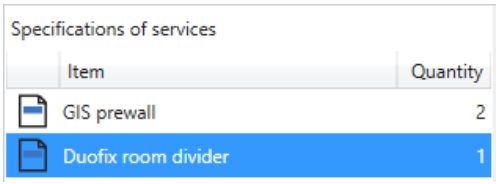
3. Enter a **Item designation**, for instance **Duofix partition wall**.



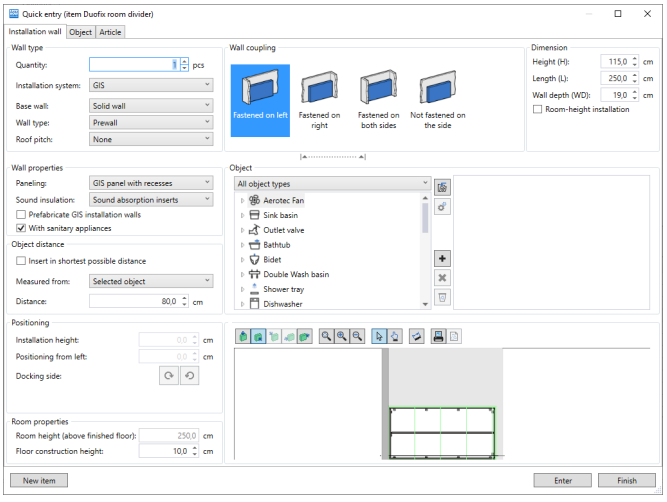
4. Click on **OK**.
   ✓ The **Item** is added to the **Specifications of services**.

4.3.1.2 SPECIFYING THE WALL TYPE

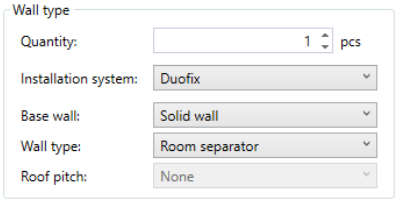
1. Highlight the new **Item** in the **Specifications of services**.



2. Click in the toolbar on **Add installation wall**.
   ✓ The **Quick entry** window appears.



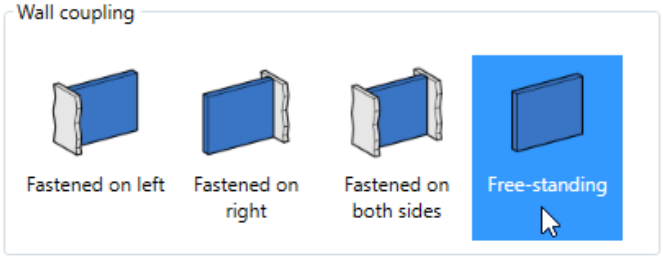
3. Specify **Duofix** as the **Installation system**.
4. Select **Partition wall** as the **Wall type**.



   ✓ The views and input options in the **Wall coupling** and **Dimension** and in the Preview areas are adapted to the settings.

4.3.1.3 SELECTING THE WALL COUPLING

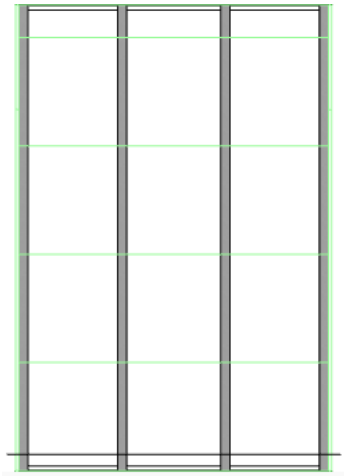
► Click **Free-standing**.



4.3.1.4 ADJUSTING DIMENSIONS

You can only plan a room-height Duofix partition wall. The relevant function is pre-set.

1. Enter the value **250** as the **Height (H)**.
2. Adjust the **Length (L)** to **175**.
3. Select the value **24** as the **Wall depth (WD)**.
   ✓ The preview will be adjusted to the settings accordingly.

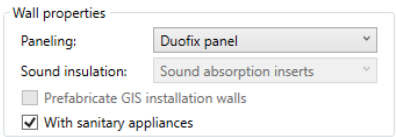


You can zoom into the preview by turning the mouse wheel. Hold down the mouse wheel to move the preview.

4.3.1.5 SPECIFYING WALL PROPERTIES

If the **With sanitary appliances** function is not activated, objects will be displayed in the preview but the fastening elements will not be taken into account in the material list.

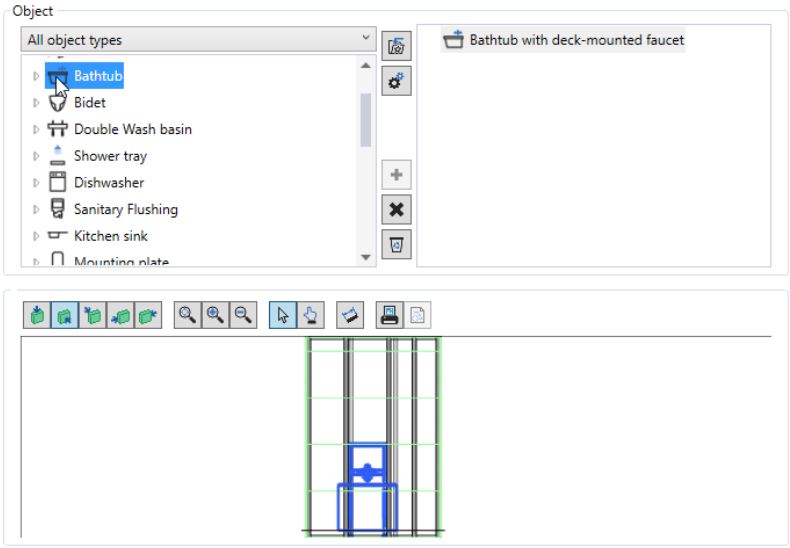
1. Select **Duofix panel** as **Paneling** in the **Wall properties** area.
2. Activate **With sanitary appliances** to include the installation parts in the calculation.



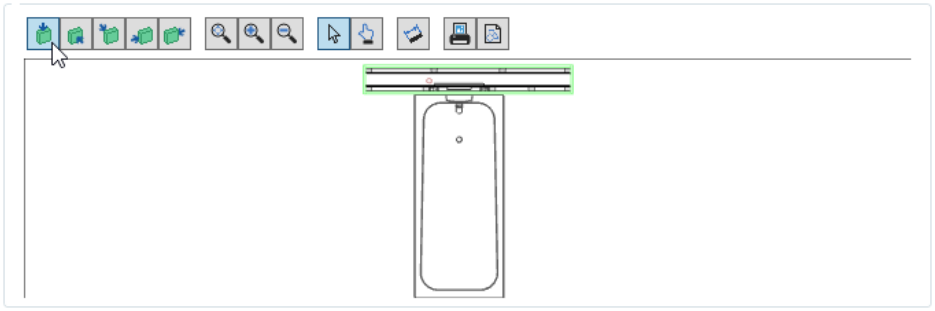
4.3.2 INSERTING AND PLACING A BATHTUB

A default bathtub is inserted and aligned at the partition wall once you have entered the settings for the Duofix partition wall.

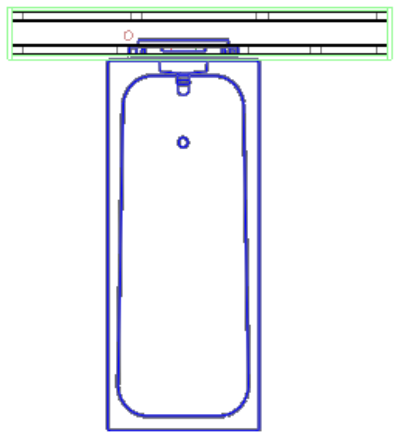
1. Double-click on the **Bathtub** in the **Object** area.
   ✓ The bathtub appears in the right window and is added to the wall in the preview.



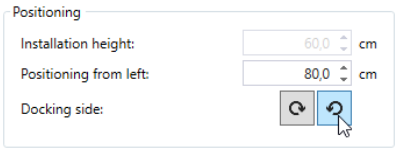
2. Select the **Plan view** in the preview.
   ✓ The preview changes.



3. Highlight the bathtub.

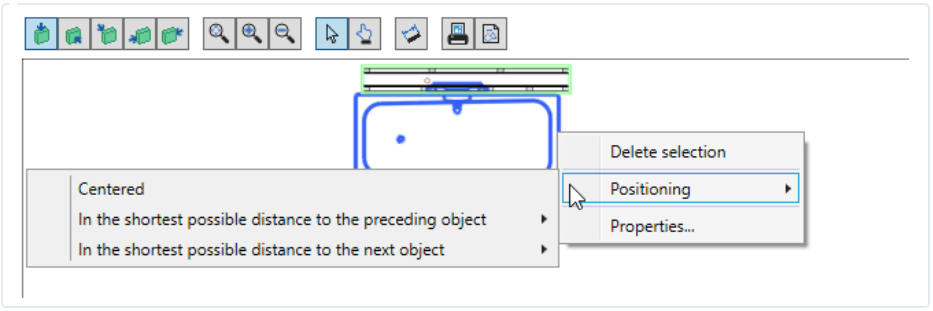


4. Click on **Rotate anti-clockwise** in the **Docking side** field in the **Positioning** area.



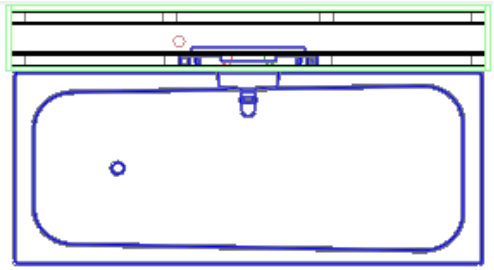
✓ The bathtub is rotated in the preview.

5. Right-click on the bathtub in the preview and select **Positioning** in the pop-up menu.



6. Click on **Centered** in the pop-up menu.

✓ The bathtub is aligned centrally on the partition wall.

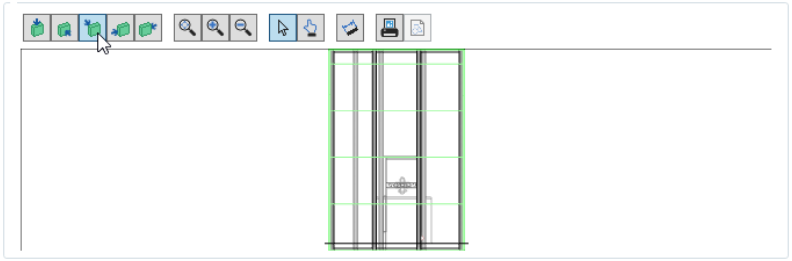


4.3.3 INSERTING OBJECTS ON THE REVERSE OF WALLS

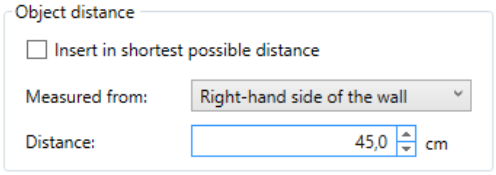
Once you have placed the bathtub on the partition wall, select the rear of the partition wall and insert two washbasins.

4.3.3.1 INSERTING A WASHBASIN ON THE REVERSE SIDE OF THE WALL

1. Select **Rear side** in the preview.
   ✓ The preview changes.

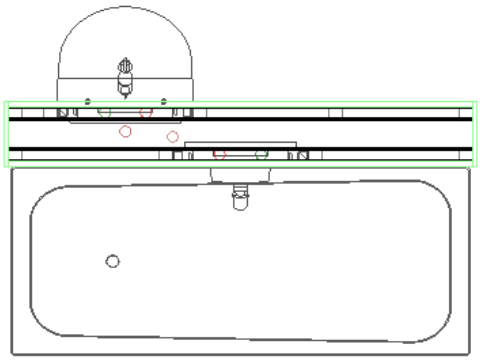


2. In the **Measured from** field in the **Object distance** area, select **Right-hand side of the wall**.
3. Adjust the value to **45** in the **Distance** field.



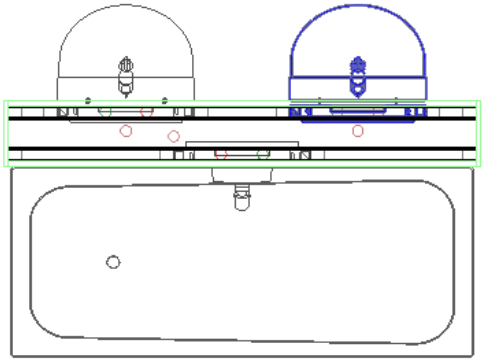
4. Double-click on the **Washbasin** in the **Object** area.

5. Select the **Plan view** in the preview.
   ✓ The washbasin appears in the floor plan on the rear of the wall.



6. Select **Left-hand side of the wall** in the **Measured from** field in the **Object distance** area.
7. Adjust the value to **45** in the **Distance** field.

8. Double-click on the **Washbasin** in the **Object** area.
   ✓ The washbasin appears in the preview on the rear of the wall beside the first washbasin.

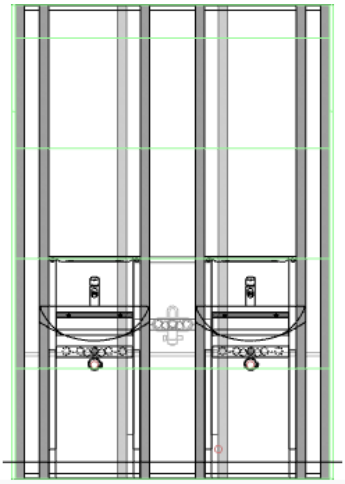


4.3.4 FRONT VIEW AND DIMENSIONS

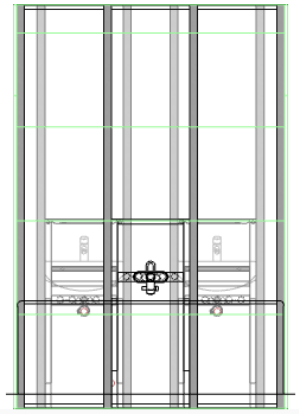
You cannot recognise any differences in the display of the front and reverse side and the dimensions of the partition wall in the plan view. In contrast you can display both wall sides in the front view.

4.3.4.1 DISPLAYING WALL SIDES IN THE FRONT VIEW

1. Click in the preview on **Rear side**.
   ✓ The reverse side of the partition wall with the washbasin appears in the preview. The front side with the bathtub appears light-grey in the background.



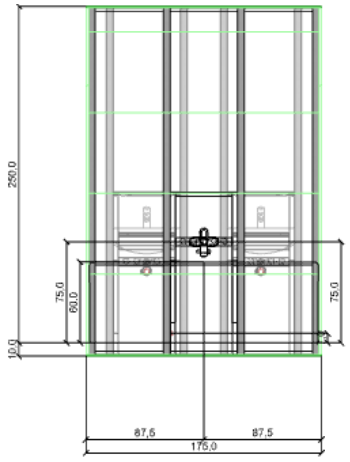
2. Click in the preview on **Front side**.
   ✓ The front side of the partition wall with the bathtub appears. The reverse side with the washbasins appears light-grey in the background.



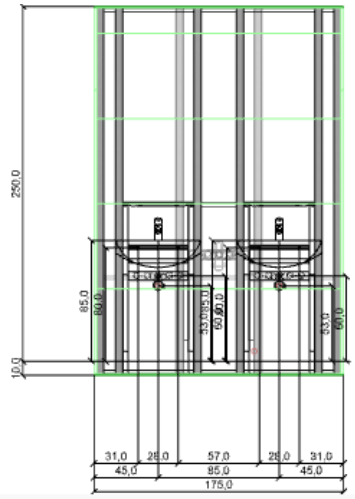
4.3.4.2 DISPLAYING DIMENSIONS

You can display and edit dimension lines for all objects.

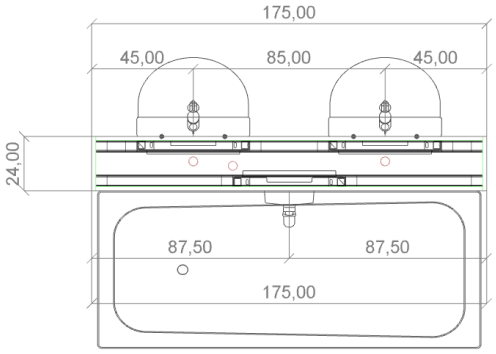
1. Click in the preview on **Show dimension lines**.
   ✓ The dimensions of the front side are displayed.



2. Click in the preview on **Rear side**.
   ✓ The dimensions of the rear side are displayed.

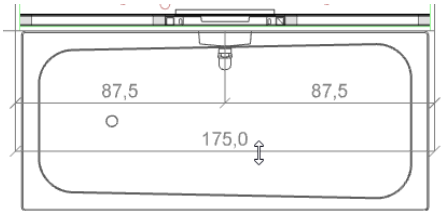


3. Click on **Plan view** in the preview.

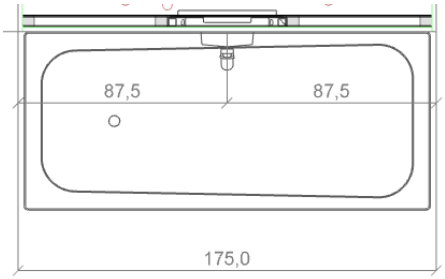


4.3.4.3 MOVING DIMENSIONS

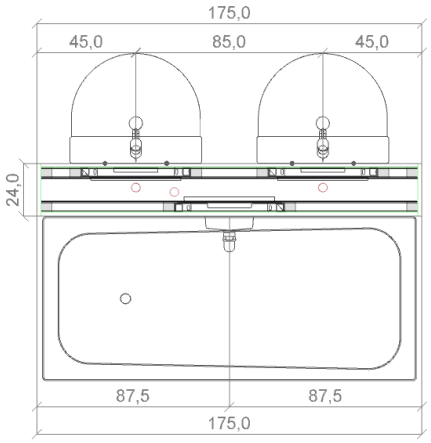
1. Click on the dimension line with the dimension **175** above the bathtub and press and hold down the left mouse key.
   ✓ The cursor appears as a double arrow.



2. Draw the dimension line downwards.



3. Move all the dimension lines as shown.



4. Click on **Enter** to save the Duofix partition wall as a position element.
5. Click on **Finish** to close the Quick entry.

4.3.5 PRODUCT MATERIAL AND COST SUMMARY

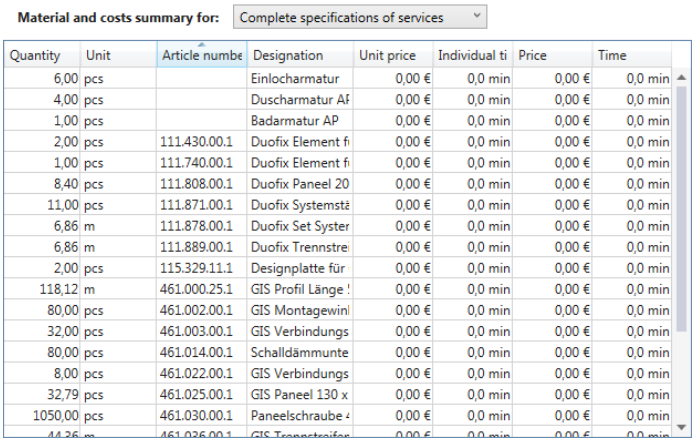
Once you have entered the Geberit Duofix partition wall, you can display the material and costs summary both for the entire **Specifications of services** as well as for the respective positions and position elements. You will obtain an overview of the material quantity, articles numbers, individual and total prices and the installation time.

You can find further information on the **Material and cost summary** in the Help at **Installation systems** > **Material and cost summary**.

4.3.5.1 SUMMARY OF THE COMPLETE SPECIFICATIONS OF SERVICES

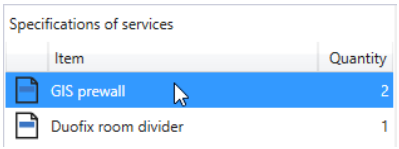
► Select **Complete specifications of services** in the **Material and costs summary**.

✓ The summary for the Geberit Duofix partition wall and the Geberit GIS installation wall appears.



4.3.5.2 SUMMARY FOR ONE POSITION

1. Click on the first **Item** (GIS prewall) in the **Specifications of services**.



2. Select **Selected items** in the **Material and costs summary**.
   ✓ The summary for the complete **Item** appears.

Material and costs summary for: Selected items

Quantity	Unit	Article numbe	Designation	Unit price	Individual ti	Price	Time
4,00	pcs		Einlocharmatur	0,00 €	0,0 min	0,00 €	0,0 min
4,00	pcs		Duscharmatur AP	0,00 €	0,0 min	0,00 €	0,0 min
2,00	pcs	115.329.11.1	Designplatte für Gel	0,00 €	0,0 min	0,00 €	0,0 min
118,12	m	461.000.25.1	GIS Profil Länge 5m	0,00 €	0,0 min	0,00 €	0,0 min
80,00	pcs	461.002.00.1	GIS Montagewinkel	0,00 €	0,0 min	0,00 €	0,0 min
32,00	pcs	461.003.00.1	GIS Verbindungsstü	0,00 €	0,0 min	0,00 €	0,0 min
80,00	pcs	461.014.00.1	Schalldämmunterlag	0,00 €	0,0 min	0,00 €	0,0 min
8,00	pcs	461.022.00.1	GIS Verbindungslasc	0,00 €	0,0 min	0,00 €	0,0 min
32,79	pcs	461.025.00.1	GIS Paneel 130 x 60	0,00 €	0,0 min	0,00 €	0,0 min
732,00	pcs	461.030.00.1	Paneelschraube 4,2 :	0,00 €	0,0 min	0,00 €	0,0 min
44,36	m	461.036.00.1	GIS Trennstreifen	0,00 €	0,0 min	0,00 €	0,0 min
4,00	pcs	461.160.00.1	GIS Element für War	0,00 €	0,0 min	0,00 €	0,0 min
152,00	pcs	461.200.00.1	GIS Profilverbinder	0,00 €	0,0 min	0,00 €	0,0 min
4,00	pcs	461.430.00.1	GIS WT-Set für Stan	0,00 €	0,0 min	0,00 €	0,0 min
4,00	pcs	461.740.00.1	GIS Traverse für AP-	0,00 €	0,0 min	0,00 €	0,0 min
11,90	kg	464.015.00.1	GIS Spachtelmasse	0,00 €	0,0 min	0,00 €	0,0 min

4.3.5.3 SUMMARY FOR A POSITION ELEMENT

1. Click on **Individual materials** in the **Position elements** area.

Quantity	Designation	Price	Time
2	✔ **Geberit GIS installation wall** Room-height/part-height combination, in front of a solid wall fastened on tv Height × width × depth: 260,0 × 100,0 × 19,0 cm (room-height) / 130,0 × 25	0,00 €	0,0 min
1	**Individual materials** 1 x Designplatte für Geberit AquaClean Sela Kst weiß-alpin	0,00 €	0,0 min

2. Select **Selected item elements** in the **Material and costs summary**.
   ✓ The summary for the individual material appears.

Material and costs summary for: Selected item elements

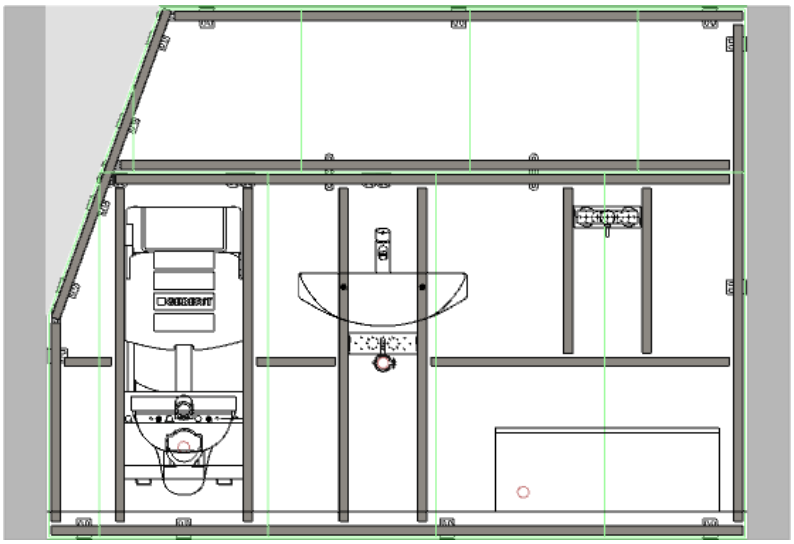
Quantity	Unit	Article numbe	Designation	Unit price	Individual ti	Price	Time
1,00	pcs	115.329.11.1	Designplatte für Gel	0,00 €	0,0 min	0,00 €	0,0 min

4.4 GIS PREWALL WITH ROOF PITCH

Once you have planned different Geberit installation walls in the previous planning examples, you can create a GIS prewall with roof pitch in this planning example.

This chapter covers the following topics:

- Planning Geberit GIS prewalls with roof pitch
- Entering the wall type and wall coupling
- Entering dimensions and defining wall properties
- Inserting objects



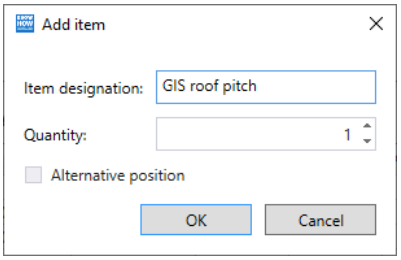
The plan with all dimensions from this planning example can be found at the end of the training manual (see "Geberit GIS prewall with roof pitch", page 55).

Use the subproject you have used to plan the Geberit GIS and Duofix installation walls to plan the roof pitch.

4.4.1 ADDING ITEMS

1. If the subproject from the first planning example is not open, open it in Geberit ProPlanner.

2. Click in the toolbar on **Add item**.
   ✓ The **Add item** window appears.
3. Enter a **Item designation**, e.g. **GIS roof pitch**.



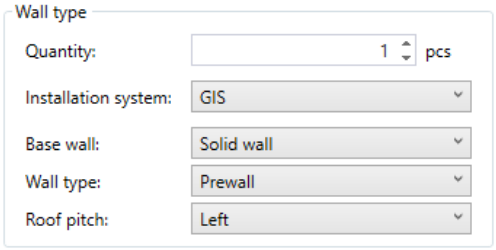
4. Click on **OK**.
   ✓ The **Item** is added to the **Specifications of services**.

4.4.2 DEFINING DIMENSIONS AND WALL PROPERTIES

At the outset, define the dimensions of the roof pitch and the wall properties.

4.4.2.1 SPECIFYING THE WALL TYPE

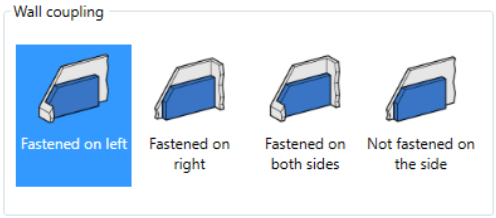
1. Highlight the new **Item** in the **Specifications of services** and click on **Add installation wall** in the toolbar.
   ✓ The **Quick entry** window appears.
2. Specify **GIS** as the **Installation system**.
3. Select **Prewall** as the **Wall type**.
4. Select **Left** as the **Roof pitch**.



✓ The views and input options in the **Wall coupling** and **Dimension** and in the Preview areas are adapted to the settings.

4.4.2.2 SELECTING THE WALL COUPLING

► Click on **Fastened on left**.

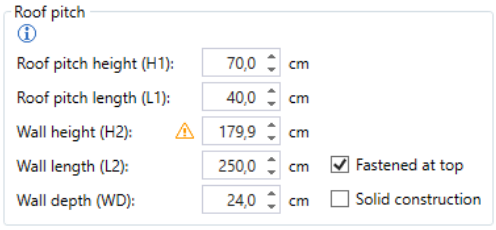


4.4.2.3 ADJUSTING DIMENSIONS

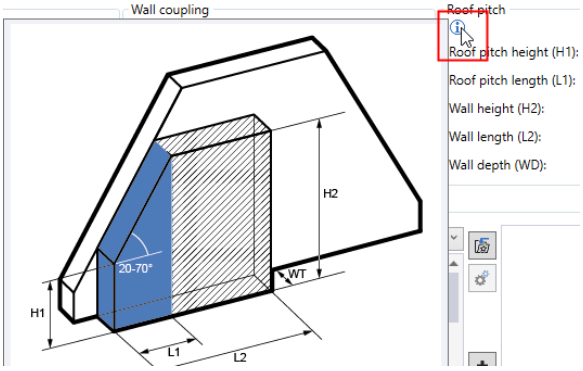
1. Select the following dimensions for the **Roof pitch**:
   - **Roof pitch height (H1)**: 70 cm
   - **Roof pitch length (L1)**: 40 cm
   - **Wall height (H2)**: 180 cm
   - **Wall length (L2)**: 250 cm
   - **Wall depth (WD)**: 24 cm

Geberit ProPlanner automatically adjusts the dimension in the **Wall height (H2)** field from 180 cm to 179.9 cm to guarantee the permitted roof pitch. The adjustment is signalled by a yellow symbol (⚠).

2. Activate **Fastened at top**.



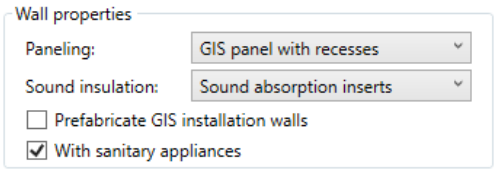
You obtain information on the dimensions of the roof pitch as soon as you have placed the cursor on the information symbol ( ).



4.4.2.4 SPECIFYING WALL PROPERTIES

Select the following wall properties:

1. Select **GIS panel with recesses** in the **Paneling** field.
2. Select **Sound absorption inserts** as the **Sound insulation**.
3. Activate the **With sanitary appliances** checkbox.

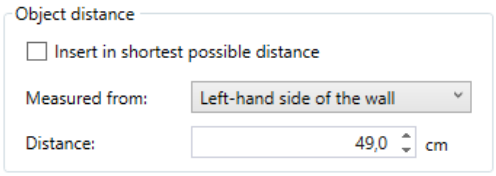


4.4.3 INSERTING OBJECTS

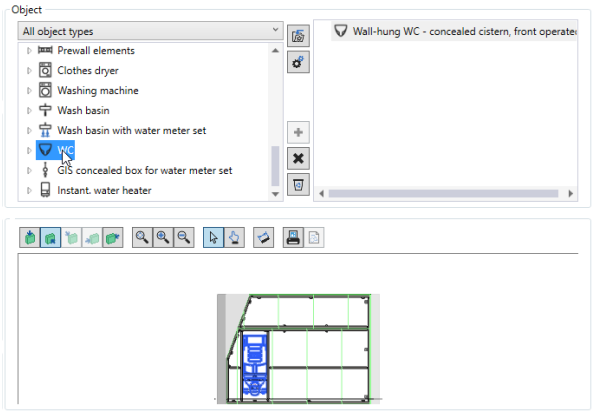
You can place the objects once you have defined all dimensions and wall properties.

4.4.3.1 INSERTING A WC

1. Select **Left-hand side of the wall** in the **Measured from** field in the **Object distance** area.
2. Enter the value **49.0** in the **Distance** field.

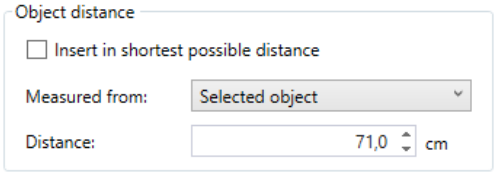


3. Double-click on the **WC** in the **Object** area.
   ✓ The WC appears in the right window and is added to the wall in the preview.

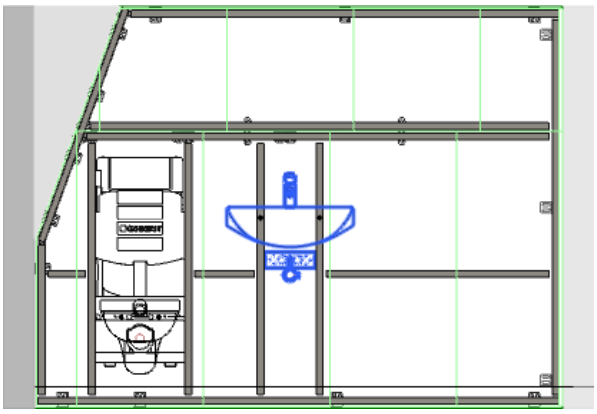


4.4.3.2 INSERTING WASHBASINS

1. Select **Selected object** in the **Measured from** field in the **Object distance** area.
2. Enter the value **71** in the **Distance** field.

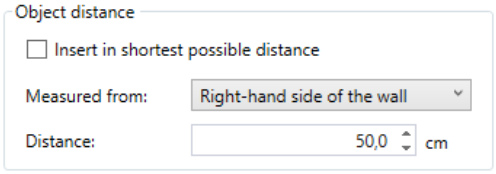


3. Double-click on the **Washbasin** in the **Object** area.

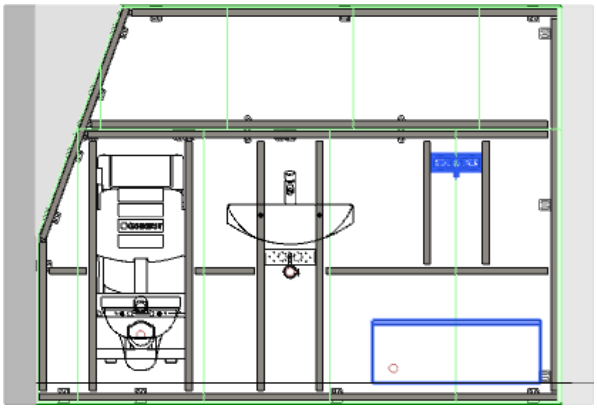


4.4.3.3 INSERTING A SHOWER

1. Select **Right-hand side of the wall** in the **Measured from** field in the **Object distance** area.
2. Enter the value **50** in the **Distance** field.



3. Double-click on the **Shower** in the **Object** area.
   ✓ The default shower is inserted.



4.4.4 APPLYING INSTALLATION WALLS

1. Click on **Enter**.
   ✓ The installation wall appears in the **Position elements** area.
   ✓ The objects are removed from the preview.
2. Click on **Finish** to close the **Quick entry**.

Finally you can carry out additional adjustments, e.g. showing dimensions, adjusting objects. The previous planning examples provide information on possible adjustments.

5 KEYBOARD SHORTCUTS

Use keyboard shortcuts to work faster with Geberit ProPlanner. Select from general keyboard shortcuts and combinations that apply to the specific module.

Country-specific keyboard shortcuts are not listed here and can be requested from the respective sales company's hotline.

Keyboard shortcuts for Swiss keyboards (English keyboard) are shown in brackets.

The keyboard shortcut for the respective functions is additionally displayed in brackets in the menus and tool tips.

5.1 GENERAL

Keyboard shortcut	Description
STRG + **C** (**Ctrl** + **C**)	Copy: copy highlighted objects to clipboard
STRG + **A** (**Ctrl** + **A**)	Select all
Hold down **Ctrl** + **LEFT MOUSE KEY**	Highlight several objects
STRG + **X** (**Ctrl** + **X**)	Cut: remove highlighted objects and copy to the clipboard
STRG + **V** (**Ctrl** + **V**)	Paste: paste objects from the clipboard
ENTF **Del**	Delete highlighted objects
Rückschritttaste **Backspace**	Delete highlighted objects
Alt+Enter	Open properties of highlighted objects
Esc	Cancel/Exit
F5	Calculate active subproject
STRG + **F5** (**Ctrl** + **F5**)	Calculate all subprojects
F1	Call up the Help function
F2	Rename
STRG + **O** (**Ctrl** + **O**)	Open existing document
STRG + **S** (**Ctrl** + **S**)	Save
STRG + **P** (**Ctrl** + **P**)	Print
STRG + **Z** (**Ctrl** + **Z**)	Undo

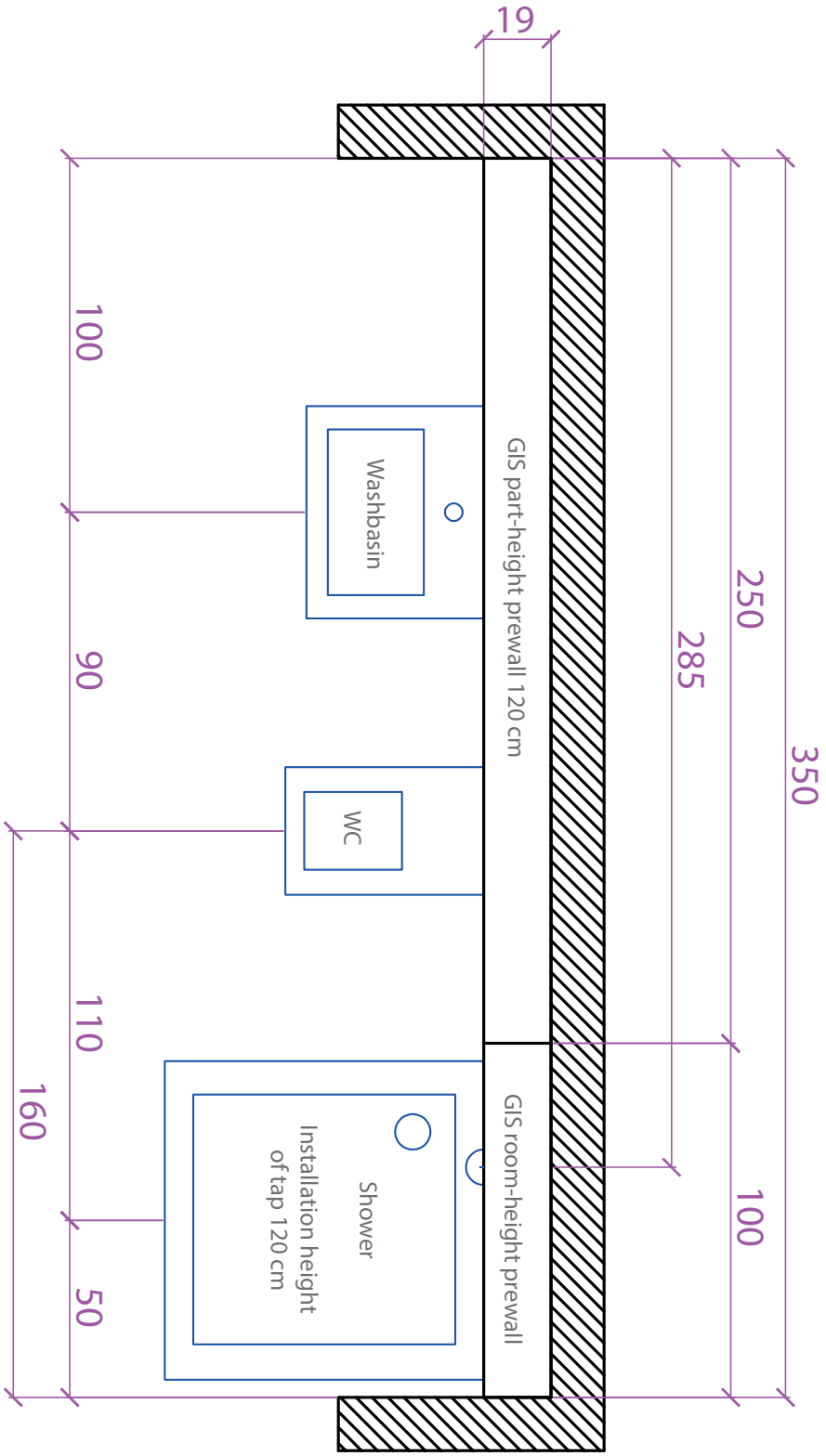
Keyboard shortcut	Description
STRG + **Y** (**Ctrl** + **Y**)	Redo
Right mouse key	Open pop-up menu
+/- (on numerical keypad)	Zoom in, zoom out
Pressed **MOUSE WHEEL**	Move drawing area
Turn **MOUSE WHEEL**	Zoom in, zoom out
W	Zoom in
S	Zoom out
POS1 (**HOME**)	Zoom in to all objects

5.2 INSTALLATION SYSTEMS

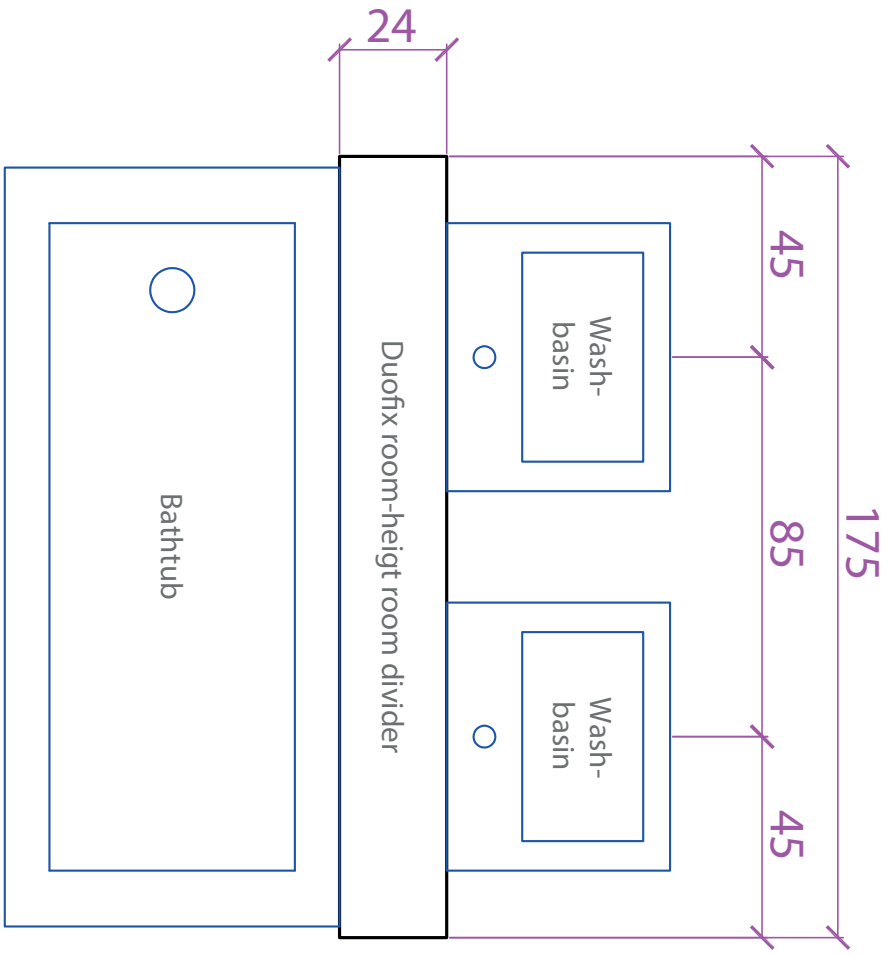
Keyboard shortcut	Description
P	New position number
S	Quick entry window
W	New installation wall
E	Adding articles
O	New object
ENTF **Del**	Delete position number
Keyboard shortcut in Installation wall, Objects and Article tabs	
ENTF (**DEL**)	Delete object
SPACE BAR (**SPACE**)	Add object
Keyboard shortcut in the preview	
Selection mode:	
Arrow keys	Move highlighted object a centimetre at a time
STRG + arrow keys **Ctrl** + arrow keys	Move highlighted object a millimetre at a time
Navigation mode:	
Arrow keys	Move drawing area

6 OVERVIEW OF PLANNING EXAMPLES

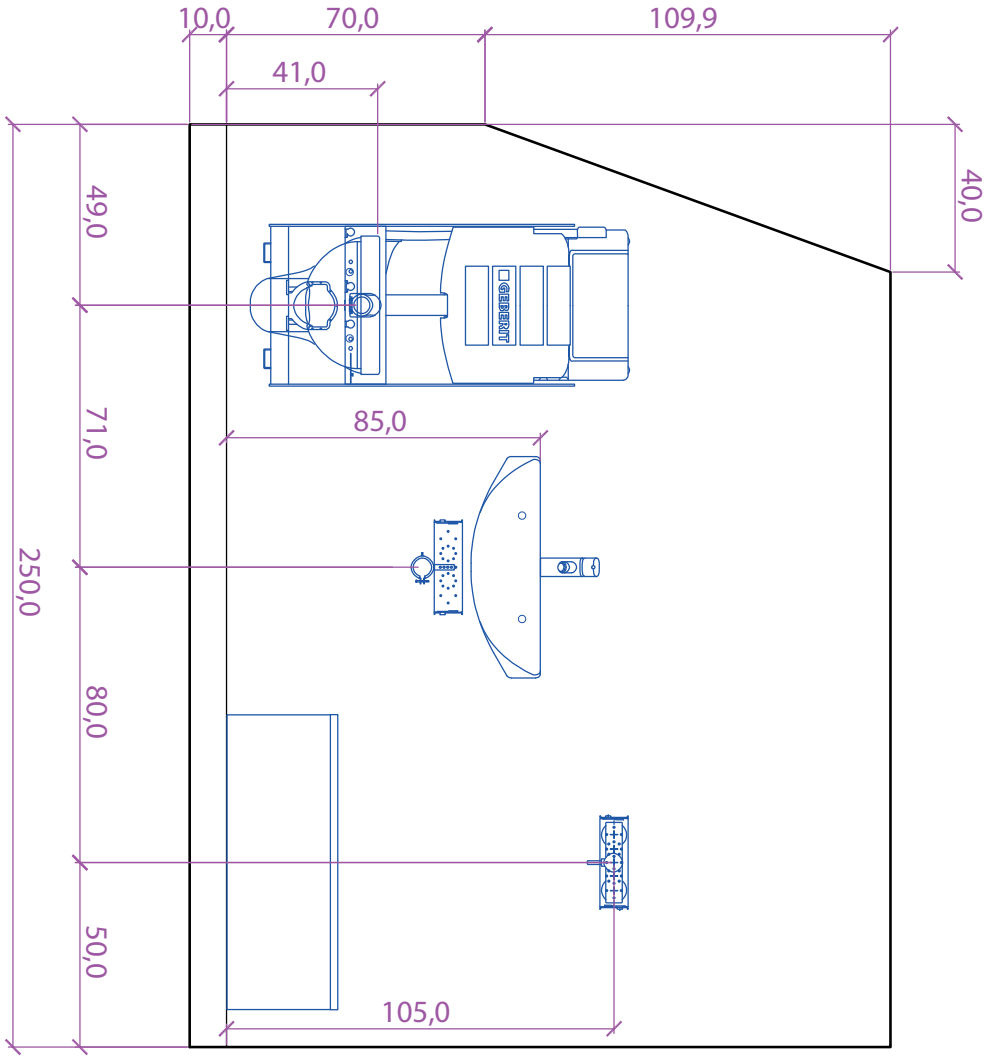
6.1 GEBERIT GIS INSTALLATION WALLS



6.2 GEBERIT DUOFIX PARTITION WALL



6.3 GEBERIT GIS PREWALL WITH ROOF PITCH



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