05 Temporary Retaining

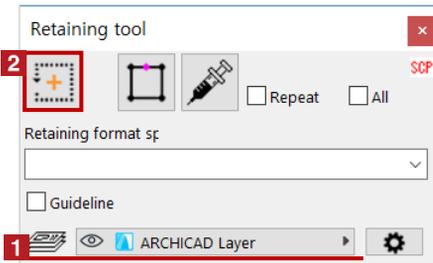smartCON Planner for ARCHICAD

How to call tools — From the SCP launcher ➜ Click the "Temporary retaining" icon

Select the Temporary retaining icon

**How to use** — After selecting the layer, click any position on the screen counterclockwise to place a temporary retaining.

Retaining tool

2 [icon] [icon] [icon] ☐ Repeat ☐ All SCP

Retaining format sp

☐ Guideline

1 [layers] 👁 🅰 ARCHICAD Layer ▶ ⚙

1 Select the layer to place

2 Click [icon] and then place it counterclockwise at an arbitrary position

< **2** Arrange counterclockwise >

Counterclock
wise
Click

❶ ❷ ❸ ❹
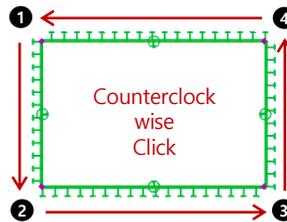
※ When you create it clockwise, the sheet pile side becomes outside

< Temporary retaining type >

Soldier piles and lagging

Steel sheet pile

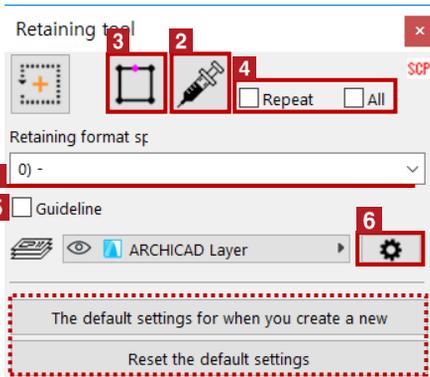SMW (Soil Mixing Wall)

Underground wall

※For new placement, it is created with "definition number 1 (Soldier piles and lagging)"

How to edit — You can change the retaining type and specification of the temporary retaining.

New placement will be created by the "retaining type 1 (Soldier piles and lagging)". When you change the retaining type, you can specify it for each side
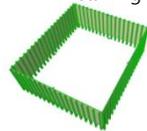
Retaining tool

Retaining format sp
1) 0) -
5) ☐ Guideline
☐ ARCHICAD Layer

The default settings for when you create a new
Reset the default settings

1 Changing the earth retaining type
Select the temporary retaining you want to change and specify the retaining type number

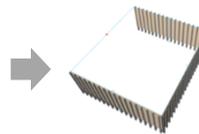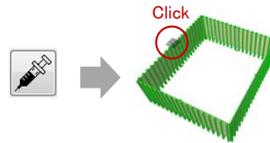Select temporary retaining → Specify the retaining type number

Retaining format sp
0) -
0) -
1) SMW-450 ⌐450×550φ H-350x175x7x11
2) Emebdded Plate ⌐FSP-IA
3) RC Retaining Wall ⌐450×550φ

※The specification of each type can be changed / registered from "Object setting screen (CTRL + T)".

2 Selection of edges whose specifications are to be changed

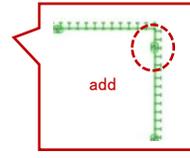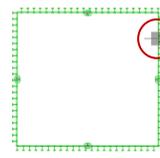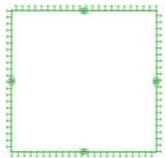Click, then click on the edge where you want to change the retaining type or specification

※If you specify the retaining type as "0) -", the retaining will be hidden

< Other dialog box >

3 Add vertices(**4** Continuously ✓ And put, you can add vertices in a row

Select temporary retaining

add

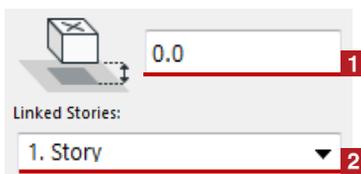**4** Designation of continuous processing of change (continuous) · batch processing (all)

5 Switching display / non-display of guide lines

6 Expansion of prescribed setting at new creation

Installation reference — The installation reference height of the Temporary Retaining is the top of the object

0.0 **1**
Linked Stories:
1. Story **2**

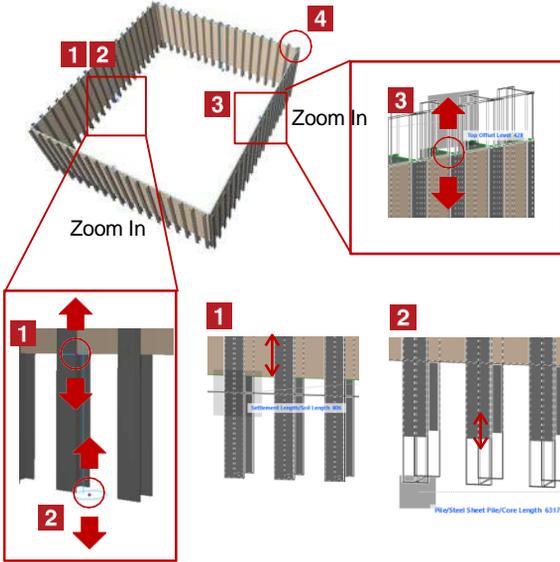**1** Height from home story
2 Home Story
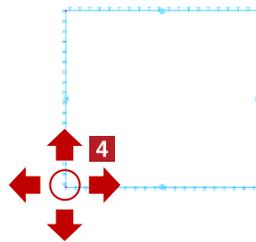▼ 1F
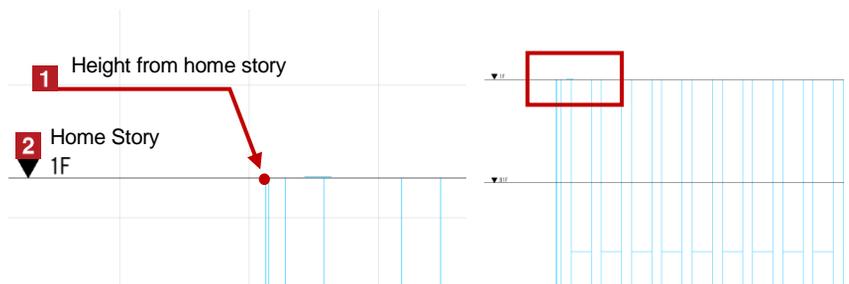
Change shape of retaining

Clicking Hotspot to change the length and level of the retaining, and the position of the vertex

Click the red Hotspot ➔ You can change the level and length of the retaining by moving the vertex of the pet palette
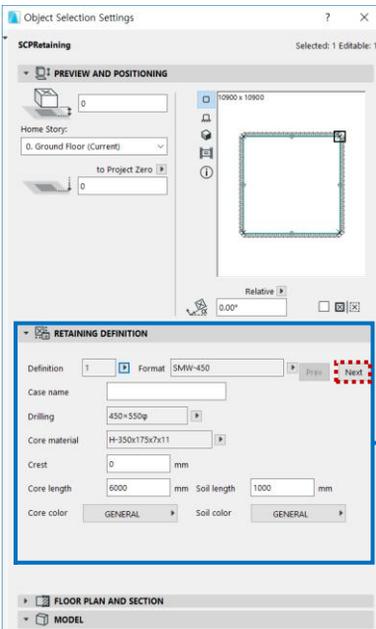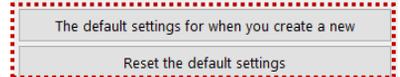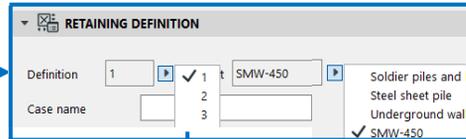
▶ 3D

▶ 2D

Zoom In

Zoom In

Zoom In

1 Change the length of the lower end of the sheet pile

2 Change the length of the core material

3 Change the top end level

4 Move vertex position

Object setting

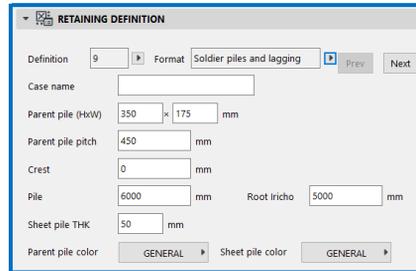Select the retaining and change various settings with "Object setting (Ctrl + T)"

Select the definition of retaining and specify the type of retaining

RETAINING DEFINITION

Definition 1 ✓ 1 t SMW-450
Case name 2
3
✓ SMW-450
Soldier piles and Steel sheet pile Underground wall SMW-450

The default settings for when you create a new
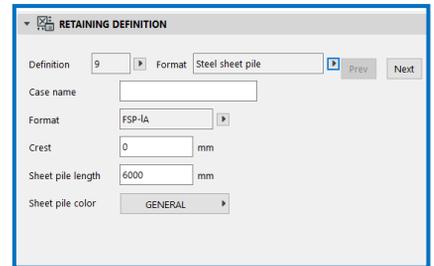
Reset the default settings

You can record the definition contents of the selected mountain climbing by choosing the mountain climbing and clicking "Setting the regulation at the time of new creation"

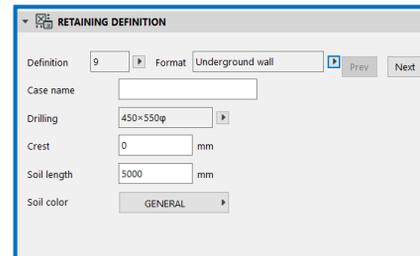Change the retaining specifications.
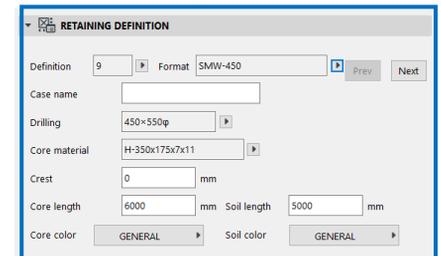
▶ Soldier piles and lagging

RETAINING DEFINITION

Definition 9 Format Soldier piles and lagging Prev Next
Case name
Parent pile (HxW) 350 × 175 mm
Parent pile pitch 450 mm
Crest 0 mm
Pile 6000 mm Root Iricho 5000 mm
Sheet pile THK 50 mm
Parent pile color GENERAL Sheet pile color GENERAL

▶ Steel sheet pile

RETAINING DEFINITION

Definition 9 Format Steel sheet pile Prev Next
Case name
Format FSP-IA
Crest 0 mm
Sheet pile length 6000 mm
Sheet pile color GENERAL

▶ Underground wall

RETAINING DEFINITION

Definition 9 Format Underground wall Prev Next
Case name
Drilling 450×550φ
Crest 0 mm
Soil length 5000 mm
Soil color GENERAL

▶ SMW(Soil Mixing Wall)

RETAINING DEFINITION

Definition 9 Format SMW-450 Prev Next
Case name
Drilling 450×550φ
Core material H-350x175x7x11
Crest 0 mm
Core length 6000 mm Soil length 5000 mm
Core color GENERAL Soil color GENERAL

Object Selection Settings

SCPRetaining — Selected: 1 Editable: 1

PREVIEW AND POSITIONING

Home Story:
0. Ground Floor (Current)
to Project Zero

RETAINING DEFINITION

Definition 1 Format SMW-450 Prev Next
Case name
Drilling 450×550φ
Core material H-350x175x7x11
Crest 0 mm
Core length 6000 mm Soil length 1000 mm
Core color GENERAL Soil color GENERAL

FLOOR PLAN AND SECTION
MODEL

※ How Earth Retaining also select the format to [next page] is [pen color] [2D coloring] [Guide line] will be displayed.

Pen color Ø
☐ 2D coloring
☑ Guide lines