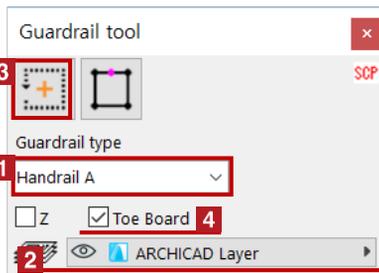# 09 Guardrail

How to call tools

From the SCP launcher ➜ Click the "Guardrail" icon

Select guardrail icon

How to use

After selecting the type, click any position on the screen counterclockwise to place the guardrail.
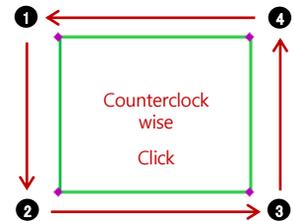
Guardrail tool

1 Select guardrail type

2 Select the layer to place

3 Click [icon] and then place it counterclockwise

4 Checked ☑ , to see a guardrail and a toe board

< **2** Arrange counterclockwise >

① ④

Counterclock wise

Click

② ③

※ When you create it clockwise and toe board is checked ☑, Temporary enclosure and the direction of the post will be outward.

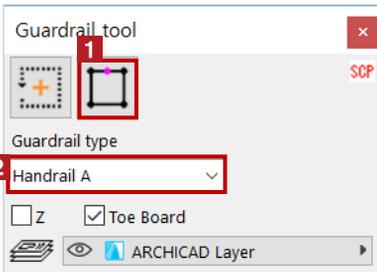< **4** Example by guardrail type >
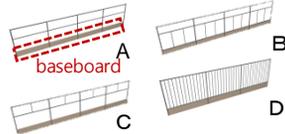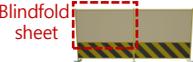
guardrail	baseboard A / B / C / D	A type barricade — Tiger plate
Corn	Cone bar	B type fence — Blindfold sheet
Single pipe barricade		Rope post — Main rope / Post fixture
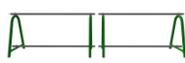
How to edit
You can change the type of the guardrail you placed.

Guardrail tool
1
SCP
Guardrail type
2 Handrail A
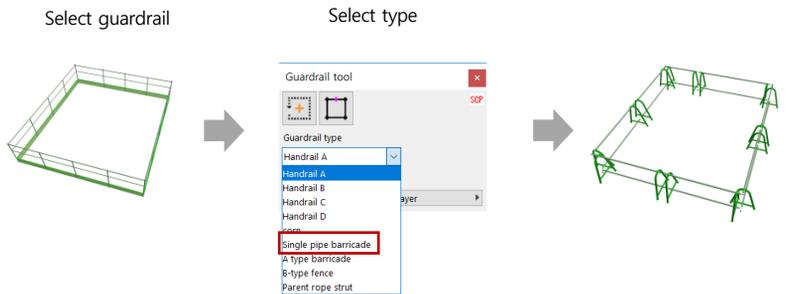☐ Z ☑ Toe Board
ARCHICAD Layer

1 Add vertices

Select the guardrail you want to change, click [ ] , then click the position you want to add a vertex.

Select guardrail

Click

add
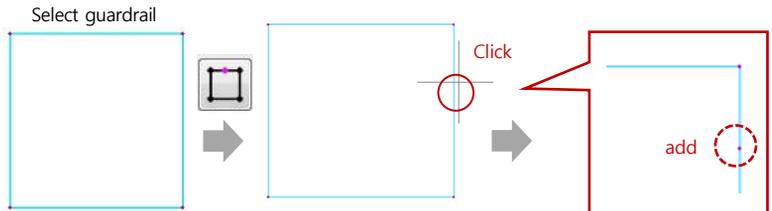
2 Change the guardrail type

Select guardrail you want to change and change guardrail type.

Select guardrail   Select type

Guardrail tool
SCP
Guardrail type
Handrail A
Handrail A
Handrail B
Handrail C
Handrail D
Single pipe barricade
A type barricade
B-type fence
Parent rope strut

Installation reference
The installation reference height of the guardrail is the lower of the object

0.0
1
Linked Stories:
1. Story
2

▼ 2F
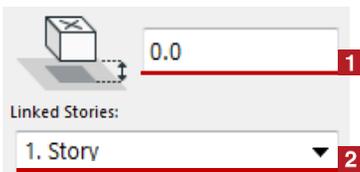
1 Height from home story

2 Home Story
▼ 1F

▼ 1F

Change the length and height of the guardrail

Clicking Hotspot to individually change the guardrail length and height.

Click the red Hotspot ➔ You can change the length and height of guardrail by moving the vertex of the pet palette.
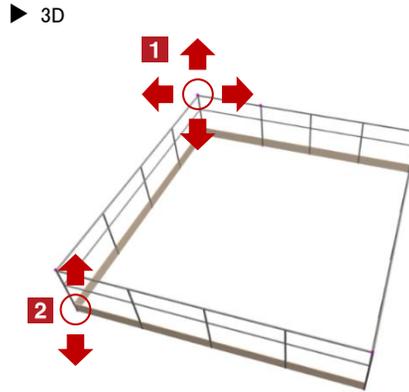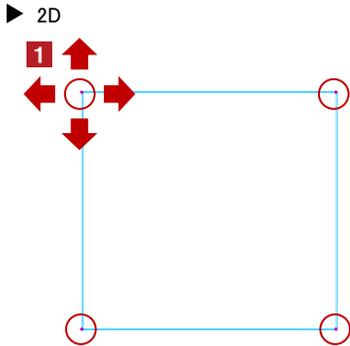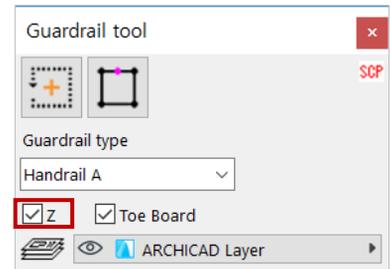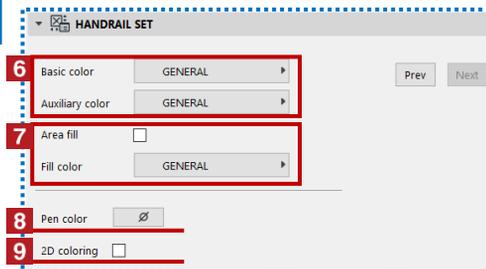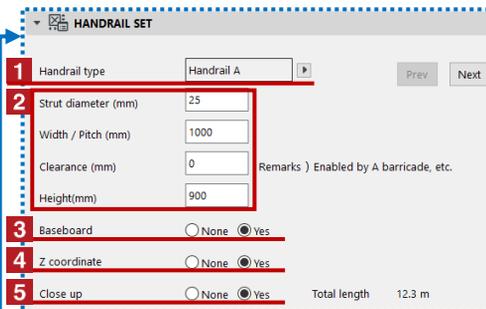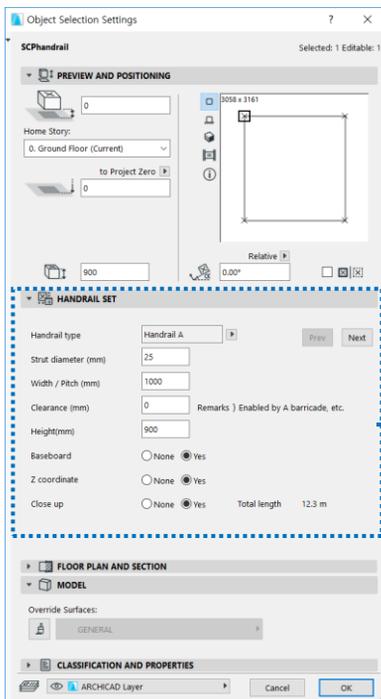
▶ 2D

▶ 3D

1 Change the guardrail length.

2 Change the height of the guardrail.
When you insert ☑ in Z, you can change the height direction of the vertex with hotspot displayed at the foot of the guardrail.

Guardrail tool ☒   SCP

Guardrail type

Handrail A ▾

☑ Z   ☑ Toe Board

👁 🅰 ARCHICAD Layer ▶

Object setting

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

Object Selection Settings ? ☒

SCPhandrail   Selected: 1 Editable: 1

PREVIEW AND POSITIONING

30SB x 3161

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

Relative ▶
900   0.00°

HANDRAIL SET
Handrail type   Handrail A   ▶   Prev   Next
Strut diameter (mm)   25
Width / Pitch (mm)   1000
Clearance (mm)   0   Remarks) Enabled by A barricade, etc.
Height(mm)   900
Baseboard   ○None ⦿Yes
Z coordinate   ○None ⦿Yes
Close up   ○None ⦿Yes   Total length   12.3 m

▶ FLOOR PLAN AND SECTION
▾ MODEL
Override Surfaces:
GENERAL

CLASSIFICATION AND PROPERTIES
👁 🅰 ARCHICAD Layer   ▶   Cancel   OK

HANDRAIL SET
1 Handrail type   Handrail A   ▶   Prev   Next
2 Strut diameter (mm)   25
Width / Pitch (mm)   1000
Clearance (mm)   0   Remarks) Enabled by A barricade, etc.
Height(mm)   900
3 Baseboard   ○None ⦿Yes
4 Z coordinate   ○None ⦿Yes
5 Close up   ○None ⦿Yes   Total length   12.3 m

HANDRAIL SET
6 Basic color   GENERAL   ▶   Prev   Next
Auxiliary color   GENERAL   ▶
7 Area fill   ☐
Fill color   GENERAL   ▶
8 Pen color   Ø
9 2D coloring   ☐

1 Switching of handrail type

2 Dimensioning handrails

3 Setting the Baseboard

4 change the altitude of the end point

5 Connect the start and end points

6 Material setting of handrail

7 Field filling of handrails
Make a fill inside the handrail

8 Drawing color setting of the handrail on a 2D screen

9 Coloring of the handrail on a 2D screen