

Operation guide



Installation Instructions

- 1. Log on to Windows with in an account with the administrator rights.
- 2. Please close them if there are other running applications.
- 3. When a **RebroViewer** installation media is put into the optical drive on a PC, the installer starts automatically. Note: If the installer does not start, browse through the installation media with Explorer and execute "RebroViewerInstaller.exe".
- 4. The necessary software (Microsoft Visual C++ 2015-2022 Redistributable Package) will be installed to start RebroViewer.
 - Note: In the user account control dialog, please select "allow to make changes".
- 5. Confirm the license agreement that appears and if you agree, select "I accept the terms in the license agreement" to left-click [Next].
 - Follow the on-screen instructions for installation.
- 6. When you start **RebroViewer** after completion of installation, the latest version will be checked on the Internet. If the latest version exists, a web updater will start.
 - Note: Select "allow to make changes" in the user account control dialog. Also, please allow communications for "RebroViewerUp.exe" if your security software interrupts Internet connections.

Uninstallation Instructions

Start [Start Menu]-[Control Panel]-[Program]-[Programs and Features]. Select [RebroViewer] and left-click [Uninstall].

Note: The setting file for each user remains on the computer so that it can be used even if RebroViewer is reinstalled. Delete the folders below when deleting the setting.

C: ¥User¥(Login user name)¥AppData¥Local¥NYK Systems¥RebroViewer_EN LocalData

System requirements

OS: Microsoft Windows 11, Windows 10 (Supports 64bit)

Graphics boards: :Graphic board or onboard chip that DirectX12 or DirectX9 operates comfortably

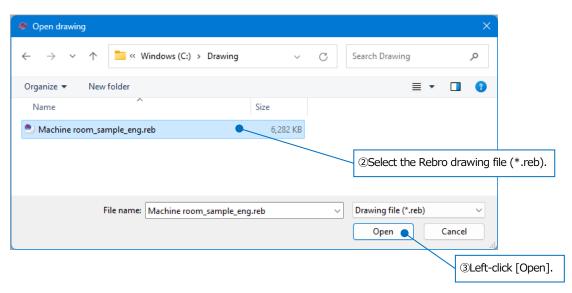
Display resolution: 1280×1024 (800) dots per inch or more Internet connection environments: Required (for the web update)

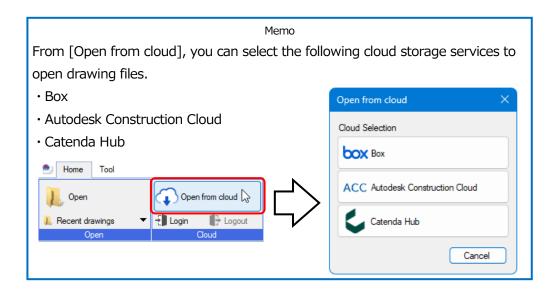
- -RebroViewer is a free redistributable viewer.
- -Always use the latest version of **RebroViewer**. If you use an older "Viewer" version than the "Rebro" on which the drawing was created, the "Viewer" may not correctly show the newly added functions to "Rebro".
- -No individual support for RebroViewer is available.

1. Open a drawing

Open a Rebro drawing file.







2. Set up the displays

How to enlarge, reduce, or move screens

-Enlarge or reduce

You can enlarge or reduce a screen by rotating a wheel around the mouse position.

-Enlarge a specified area

Right-drag the area where you want to enlarge.

Note: Press End key to revert to the previous display area.

-Move a screen

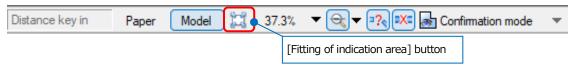
Press $\uparrow \downarrow \leftarrow \rightarrow$ keys.

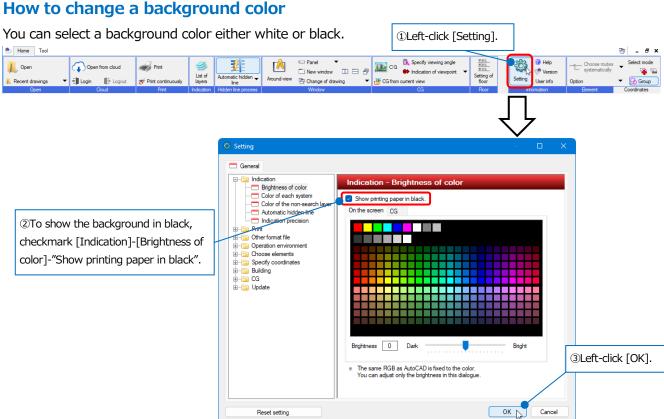
Drag a wheel to move a screen.

Also, drag scroll bars that are placed on the right or bottom on a screen to move a screen.

-Show entirely

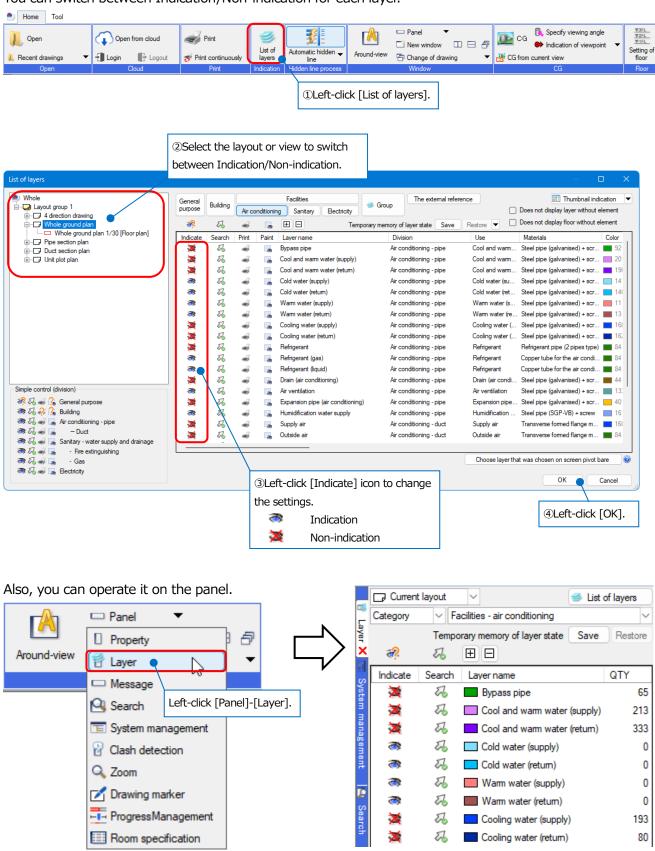
Left-click [Fitting of indication area] button on the status bar, or press Home key.





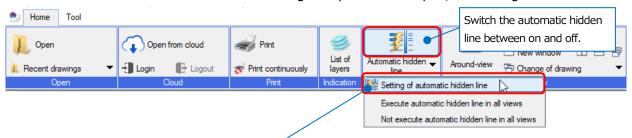
How to switch between layer displays

You can switch between Indication/Non-indication for each layer.

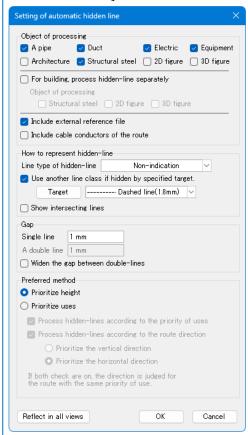


How to set up an automatic hidden line

If an automatic hidden line is set for the drawing that you want to open, the setting is reflected.



You can check or change the setting of automatic hidden line by [Automatic hidden line]-[Setting of automatic hidden line].



Supplementary explanation

In the case that [Process hidden-line manually] is set for the drawing:

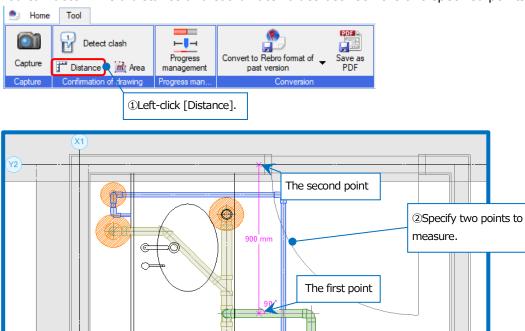


When you apply an automatic hidden line to the drawing for which hand operated hidden line was set, Rebro changes the setting details to automatic hidden line. If you want to recheck the state of hand operated hidden line, open the drawing again.

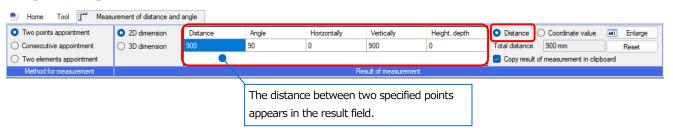
3. Check a drawing

How to measure a distance or an angle

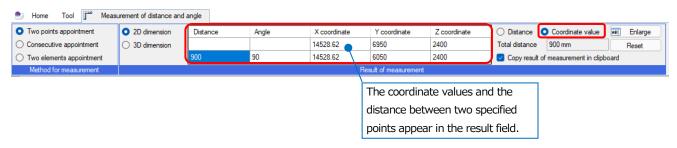
You can determine a distance and coordinate values between the two specified points.



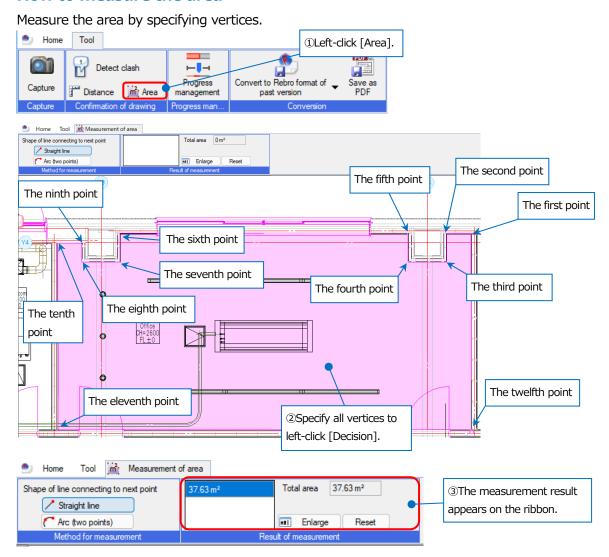
For [Distance]



For [Coordinate value]

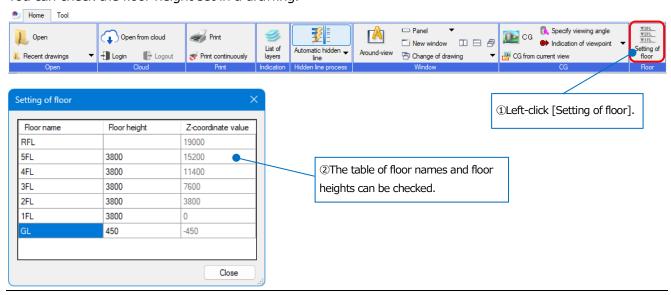


How to measure the area



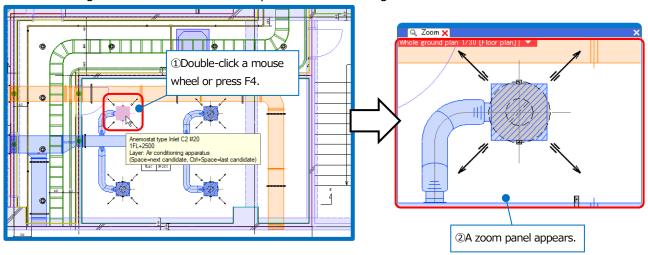
How to check the floor height

You can check the floor height set in a drawing.



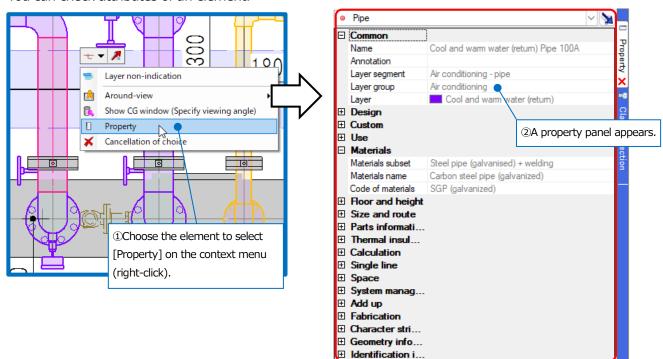
As for zoom panels

You can enlarge an area around a mouse pointer on a drawing.



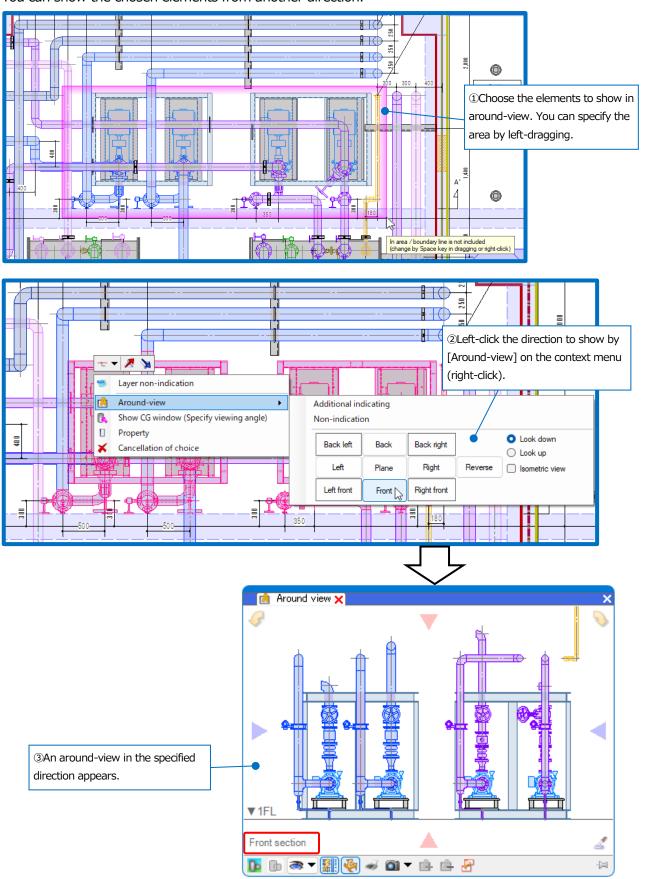
As for property panels

You can check attributes of an element.

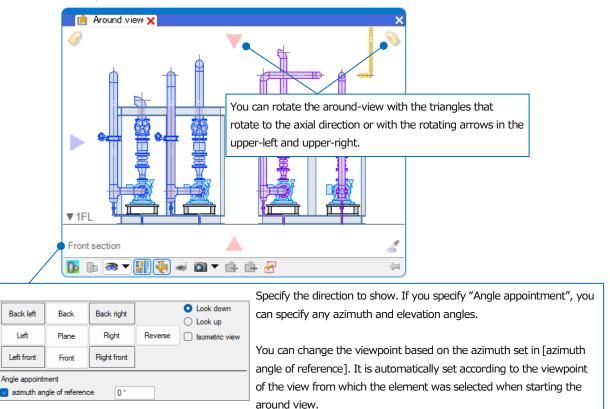


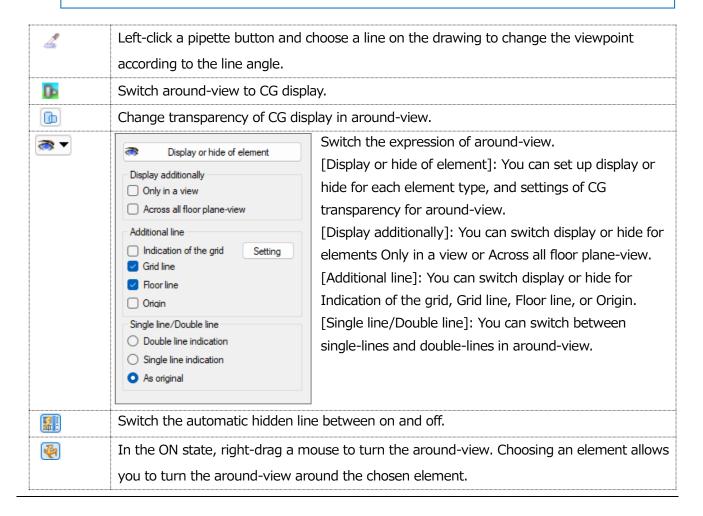
As for around-view

You can show the chosen elements from another direction.



You can switch the viewpoints in around-view.

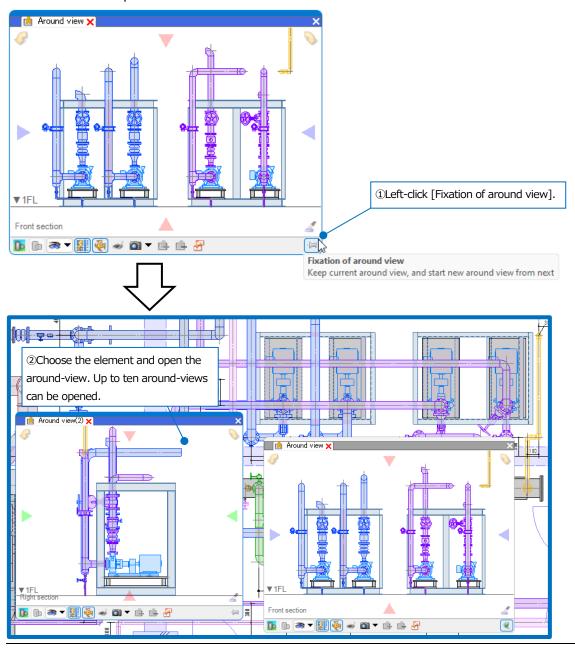




RebroViewer

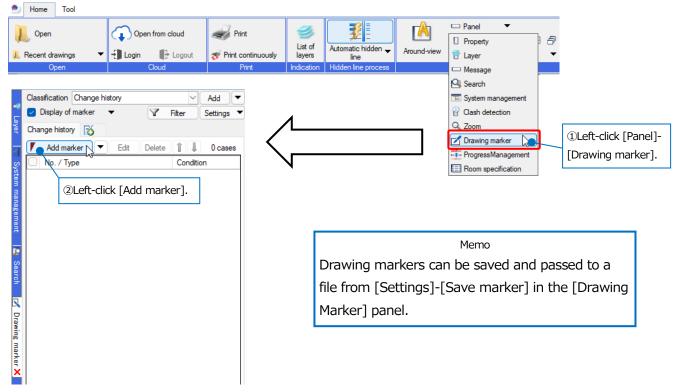
₩	Print the around-view.
611 ▼	Save the image as an image file.
	[Save in file]: You can save the images into BMP, JPEG, GIF, TIFF, and PNG image format.
	[Save in clipboard]: You can paste the images onto Word or Excel.
	[Send by email]: You can send the saved images by e-mail. Left-click [Setting of email
	sending point] to enter an email address, subject, and main text.
	[Setting the resolution]: You can set the resolution for a captured image.
<u>_</u>	Display additionally the selected element on the current around-view.
<u> </u>	Hide the selected element on the current around-view.
B	Start an around-view in the same state of display.

You can start multiple around-views.

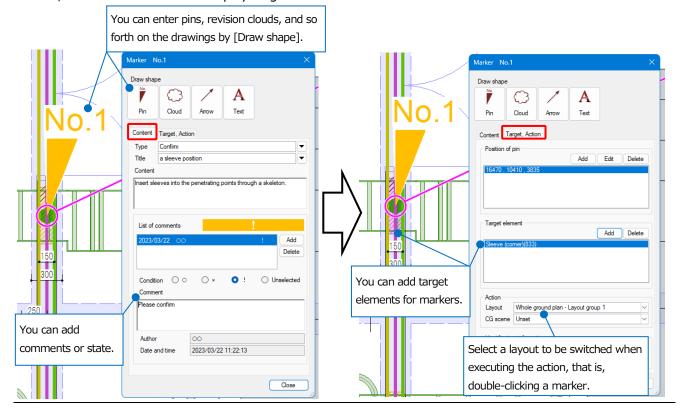


Drawing marker

You can add, edit, delete, etc., markers on the drawing. Shapes can be entered for each marker to annotate the drawing, and comments can be added to write instructions.

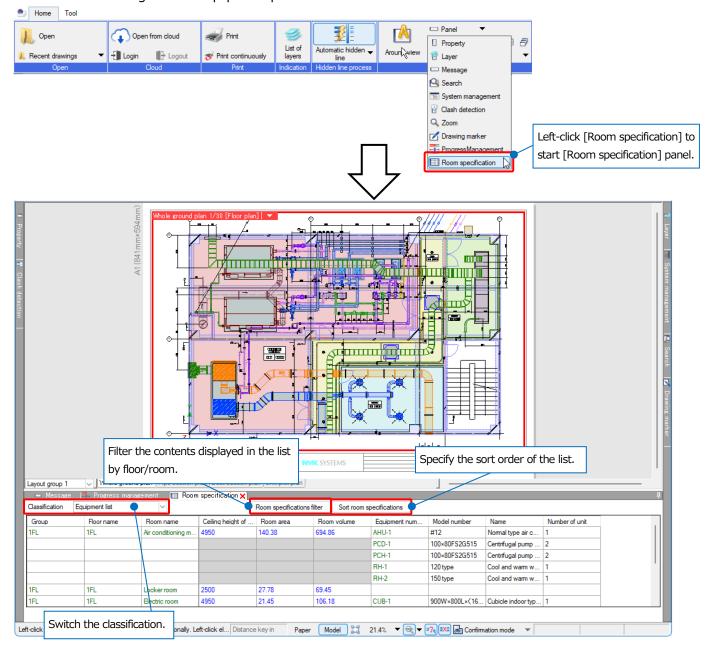


[Marker] dialog box appears, allowing you to enter shapes on the drawing, as well as marker titles, descriptions, and comments. When you switch to [Target, Action] tab and add target elements of the marker, Rebro can also rubber-display target elements of the selected marker.



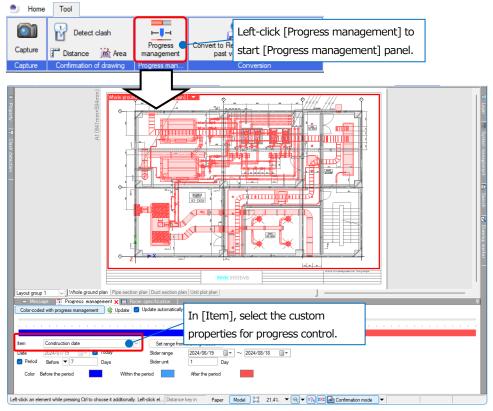
Room specification

When you open a drawing with room specifications set, Rebro can show a list of information about the rooms in the drawing and the equipment placed in the rooms.

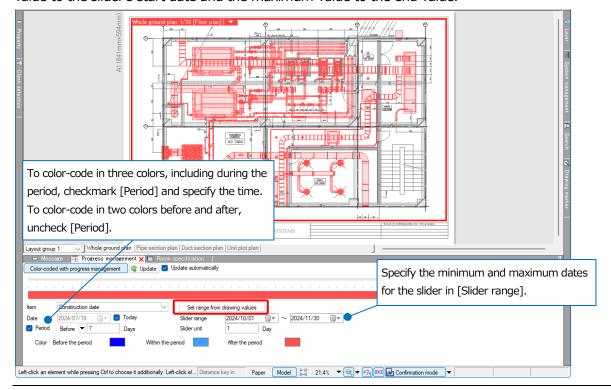


Progress management

When you open a drawing with a construction date (date) set as custom properties, Rebro can color-code and show it before the reference date or after; or before the period, during, or after.

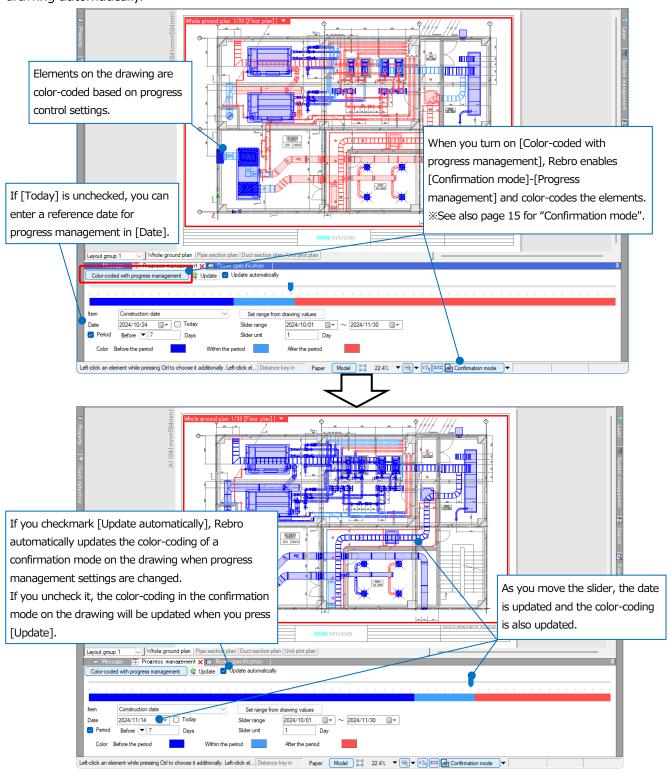


Decide on [Period] or [Slider range] to be checked in progress control. When you left-click [Set range from drawing values], Rebro gets the date set in [Item] on the whole drawing; and sets again the minimum value to the slider's start date and the maximum value to the end value.



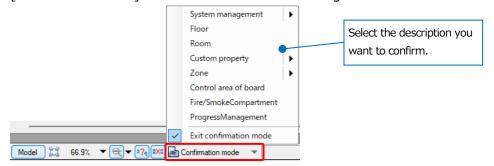
RebroViewer

In [Date], enter a date that will be the reference for progress management. When you turn on [Color-coded with progress management], all elements are color-coded according to the specified date. Checkmark [Update automatically] and move a slider to update the date and the color-coding on the drawing automatically.

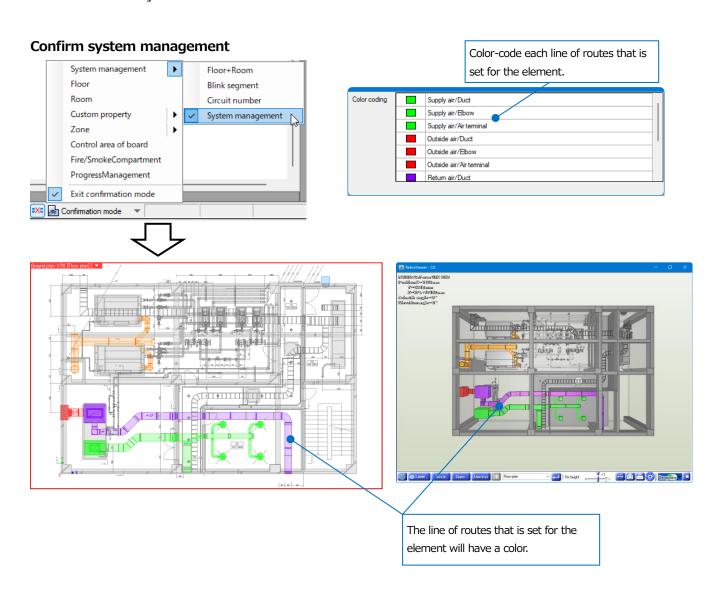


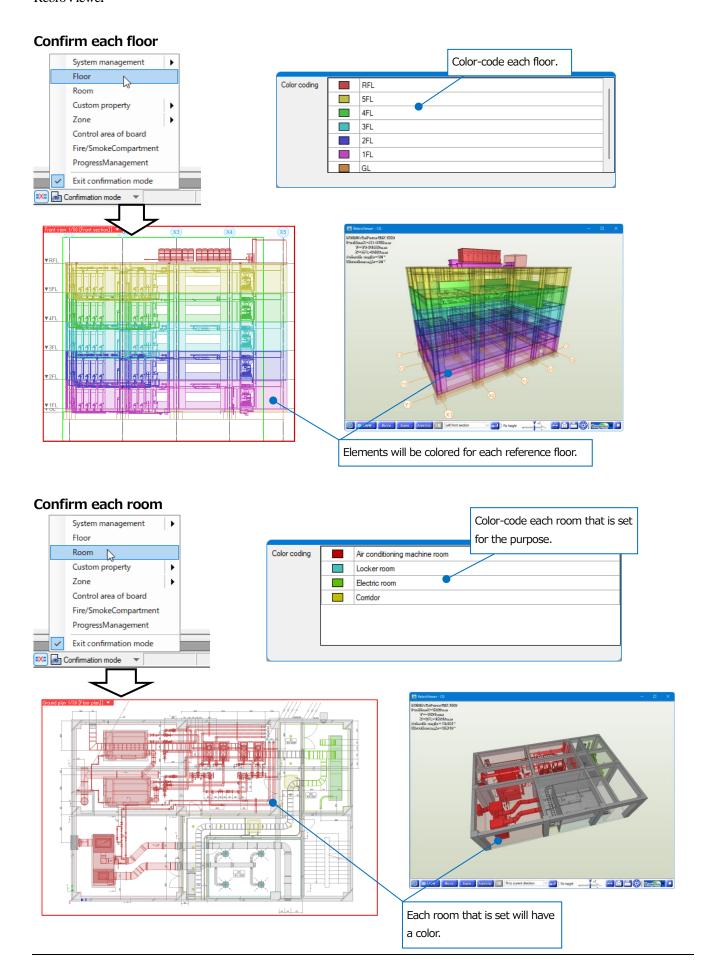
As for confirmation mode

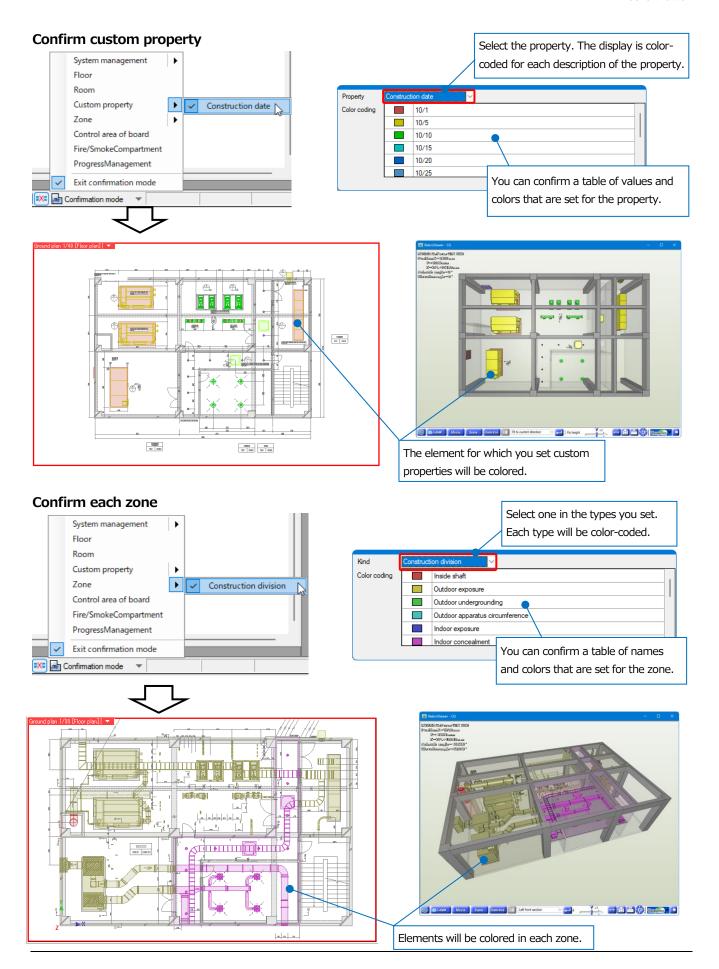
In the case that System management, Room, Custom property, etc. are set, you can left-click [Confirmation mode] to color-code and show drawings or CGs.



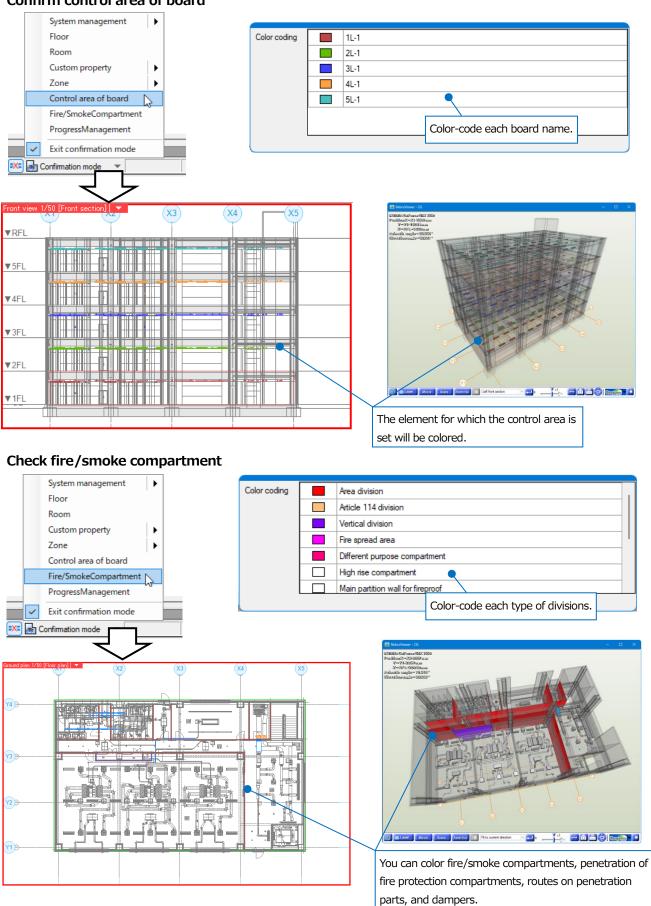
For Color-coding, Custom property, Zone type, etc., confirm at "▼" next to the "Confirmation mode" icon. To exit a confirmation mode and return to the original colors, left-click [Confirmation mode]-[Exit confirmation mode].



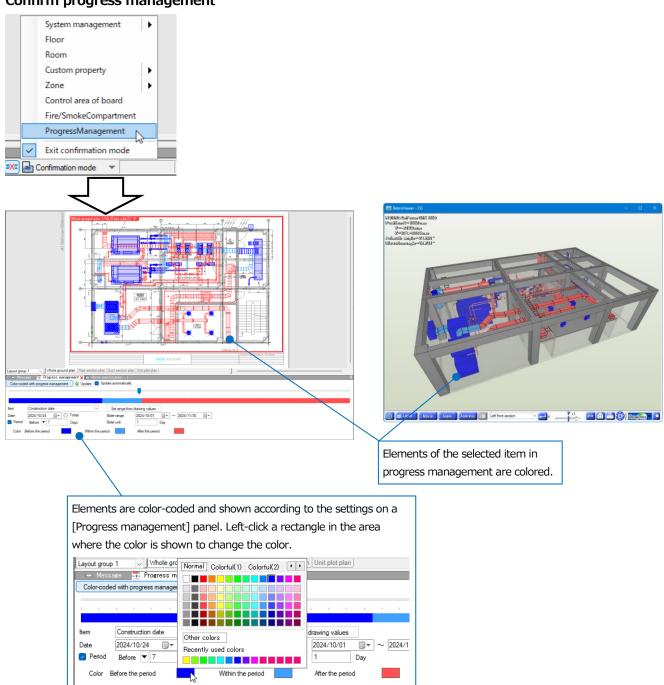






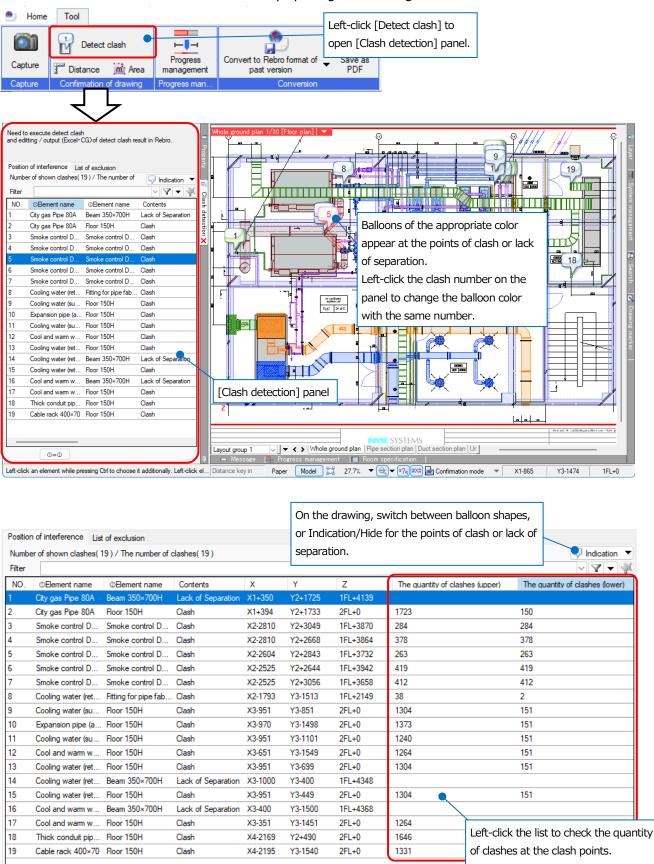


Confirm progress management

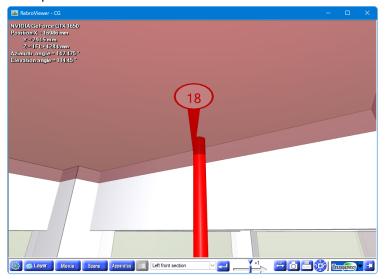


How to detect clashes

You can confirm the clash detection results by opening the drawing for which Rebro detected clashes.

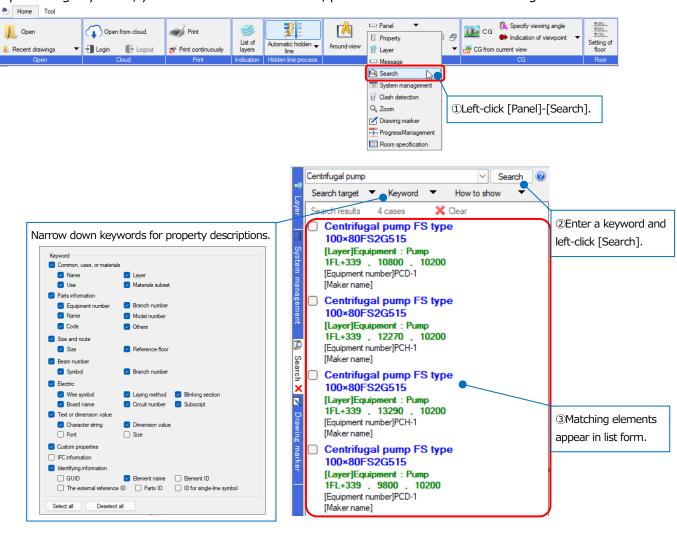


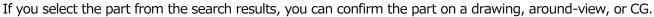
When you double left-click the table or balloon, CG screen appears and brings the viewpoint close to the clash point.

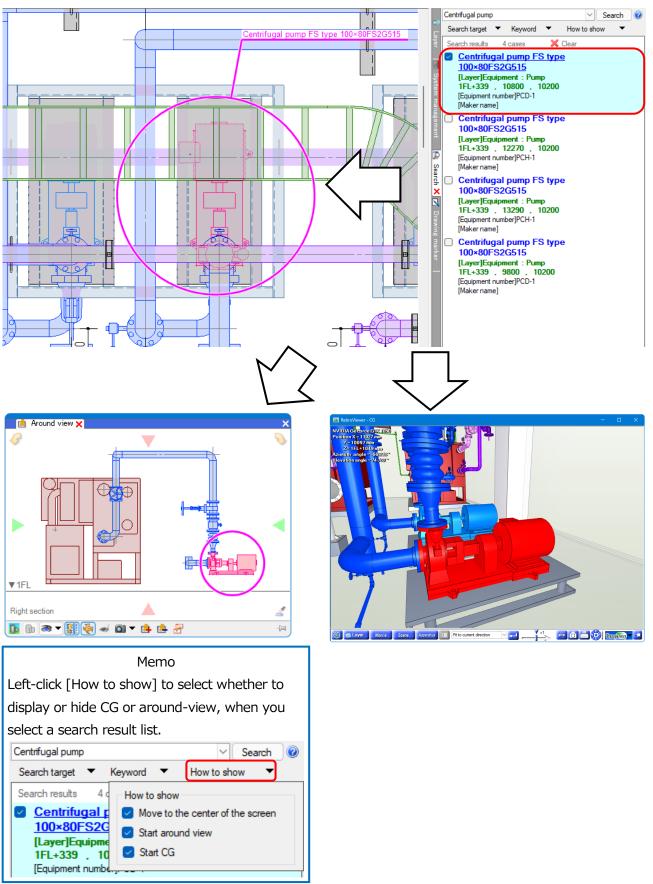


How to search for characters and so on

By entering keywords, you can search for characters, parts and so forth on the drawing.

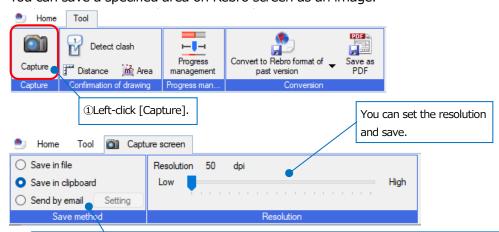






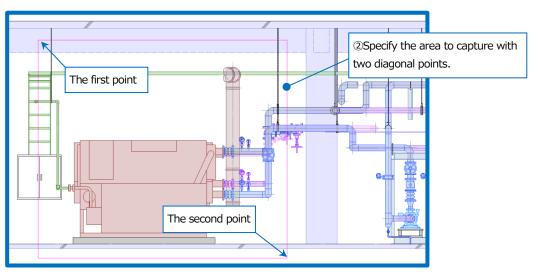
How to capture images

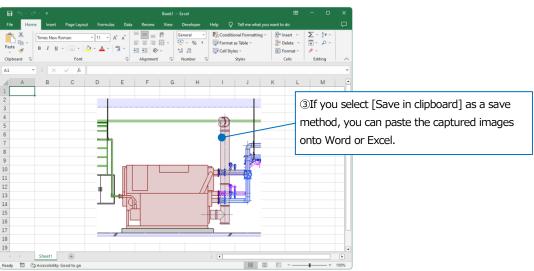
You can save a specified area on Rebro screen as an image.

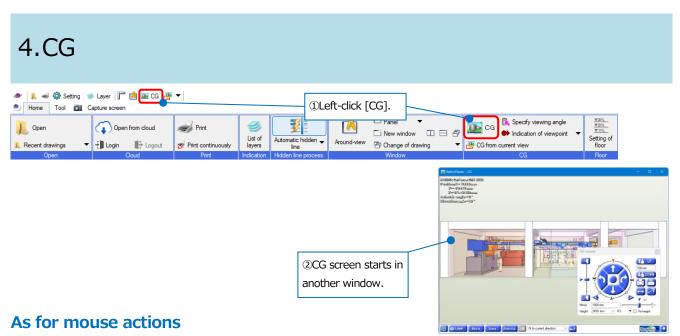


[Save in file]: You can save the images into BMP, JPEG, GIF, TIFF, and PNG image formats. Also, you can save into PDF file format. [Save in dipboard]: You can paste the images onto Word or Excel.

[Send by email]: You can send the saved images by e-mail. Left-click [Setting] to enter an email address, subject, and main text.







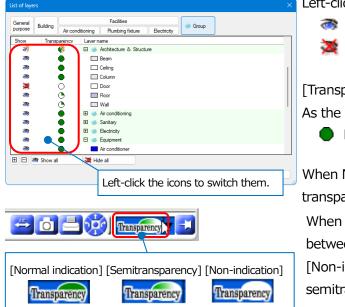
Wheel Go forward or backward by rotating. Move the screen by dragging. Left-drag Turn the screen up, down, left, and right around the current position. Right-drag Rotate the screen around the position (on the element) where the mouse points. Double left-click (sweeping) Bring the viewpoint closer to the specified element. Double right-click Make the screen level.

Note: If you rotate the wheel while pressing Ctrl, the screen moves at twice the distance.

How to operate screens on a CG console panel Forward or backward Move the viewpoint forward or backward. 50 Turn to the left or turn to Turn the viewpoint to the left or right. the right Turn upward or turn Turn the viewpoint upward or downward. downward Slider handle Adjust the speed and quantity of movement Height when moving on the screen. Specify a moving distance. Set the distance at a Move pitch of one-click for moving forward or backward. Pan (Up) or (Down) Move the viewpoint up or down at the input value. Pan (Left) or (Right) \(\sqrt{P} \) Move the viewpoint to the left or right. Height Select the floor name and enter the viewpoint height directly to move the screen. Checkmark in the box, to fix the current height Fix height and move the screen forward, backward, left, or right.

As for layers

On CG screens, you can set up Indication/Non-indication layers and layers transparency.



Left-click [Show] icon to switch the settings.

Indication

Non-indication

[Transparency] can be changed by left-clicking the icon. As the white ratio increases, the transparency increases.

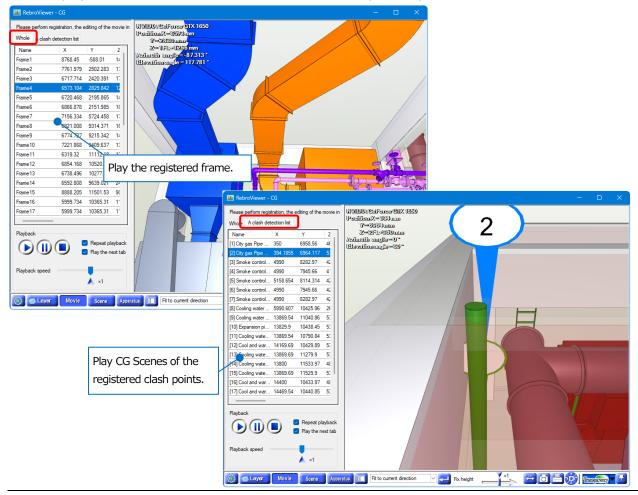


When Non-indication ic left-clicked, the transparency icon will be .

When you left-click [Transparency], you can switch between [Normal indication], [Semitransparency], or [Non-indication] for the layer that is set to semitransparent in [List of layers].

As for a movie

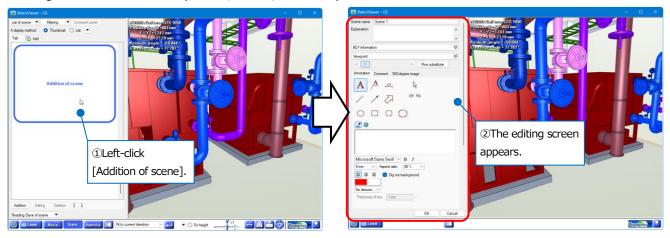
You can play movies created with Rebro, or [CG movie output] output with [Clash detection].



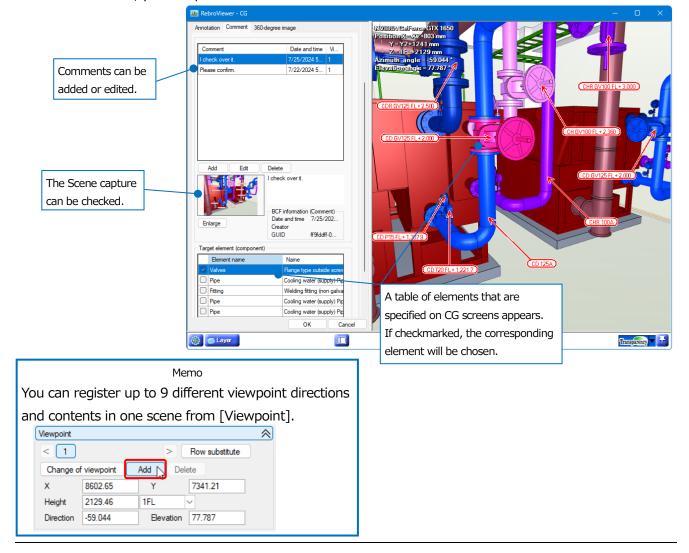
As for Scenes

You can register the currently shown CG screen as Scene, and fill out with characters, dimension lines, or figures on it by using [Annotation] tab.

The registered Scene can be printed, saved, and also passed to Rebro.

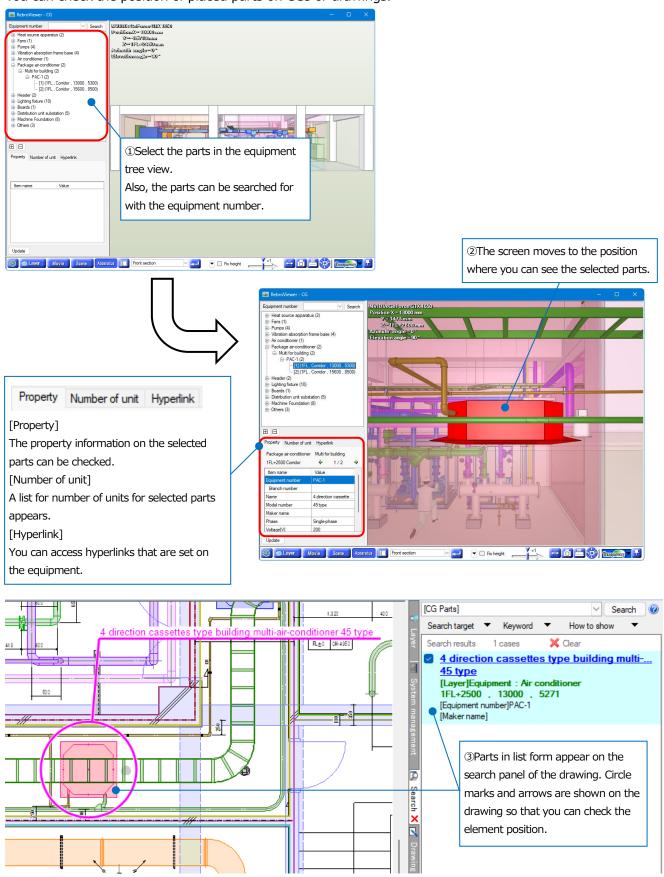


Comments on Scene can be exchanged in [Comment] tab. You can also pass the data to Rebro, if you save or read in BCF, you can pass it to other CAD.



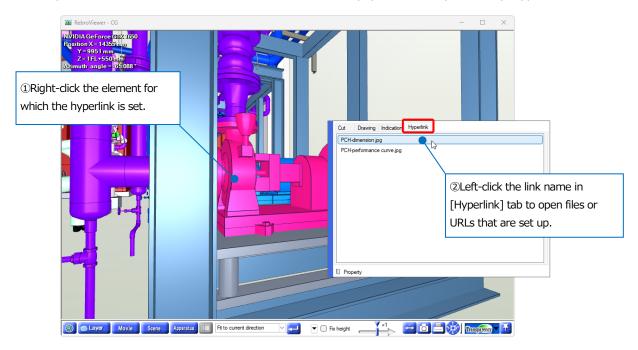
As for equipment

You can check the position of placed parts on CGs or drawings.



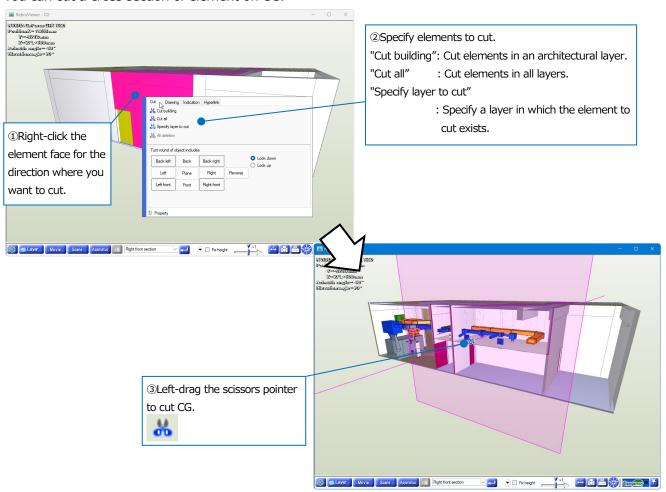
As for hyperlinks

On CG, you can refer to the linked files or URLs for the equipment that you set up hyperlinks.



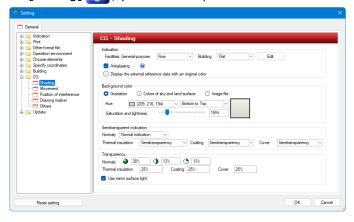
How to cut a cross section

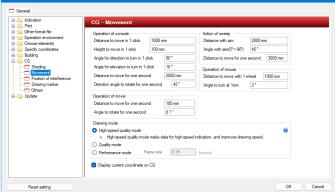
You can cut a cross section of element on CG.

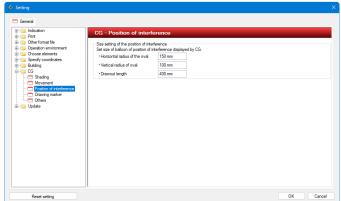


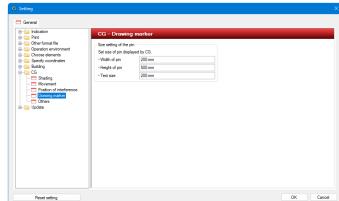
How to set up the displays and so on

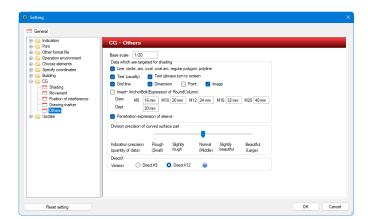
In [Setting] , you can set up the indications and movements on CG screens.









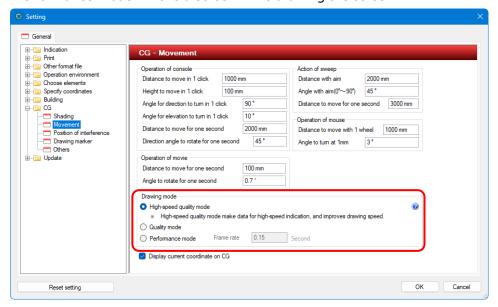


As for "Drawing mode"

"High-speed quality mode": Move a screen even in the middle of drawing while keeping the image quality of Quality mode.

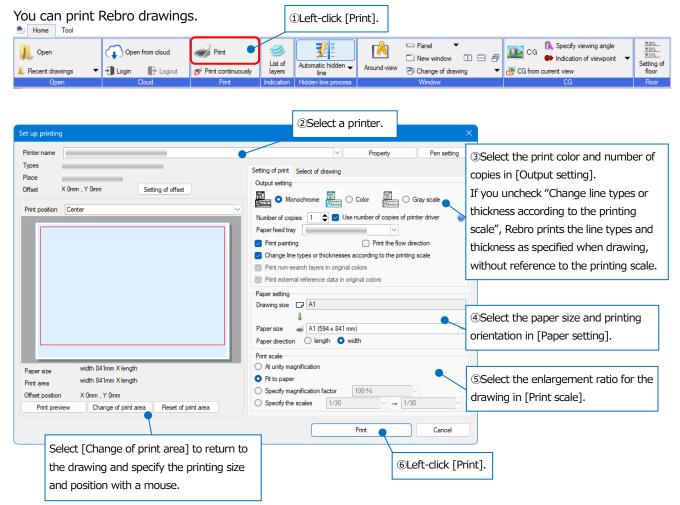
"Quality mode": Move a screen after showing all elements.

"Performance mode": Move a screen while drawing the screen.

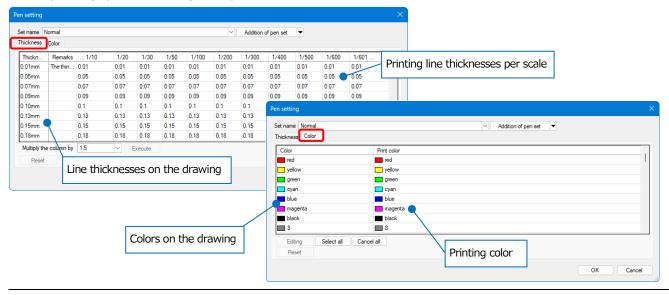


5.Print

How to print



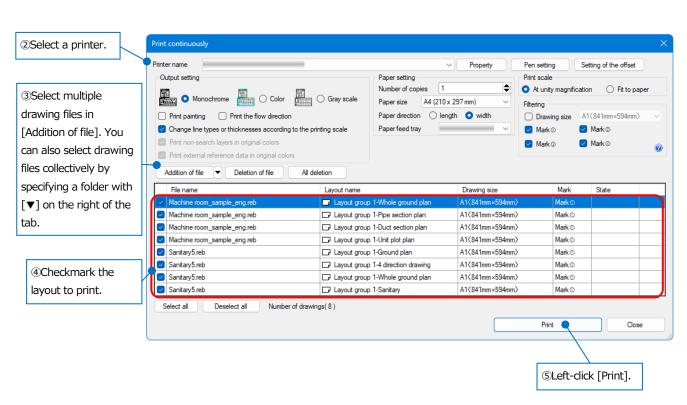
When printing, you can change the line thickness for each scale in [Pen setting]-[Thickness] tab. When printing, you can change the print color for each element color in [Color] tab.



How to print continuously

You can print layouts of multiple Rebro drawings collectively.





Software License Agreement for RebroViewer

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The Customer shall be deemed to have agreed to enter into the Agreement by installing the Software upon selection of "I agree to the provisions in the License Agreement" to be displayed in the dialogue representing the Agreement. In case where the Customer acquires the Software for his/her own personal use, the Agreement shall be established between the Customer him/herself and the Company, while in case where the Customer acquires the Software on behalf of any corporation or other legal entity, the Agreement shall be established between such corporation or legal entity and the Company.

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- 1. The Customer may terminate the right to use the Software at any time.
- 2. In case where the Customer falls under the conditions mentioned below, right to use the Software shall terminate automatically:
 - (1) In case of breach of the Agreement by the Customer.
 - (2) In case where the customer is granted right to use a different version of the Software.

Article 6 Measures against Termination of Right to Use

In case where the Customer's right to use the Software terminates, the Customer shall obliterate or destroy the Software and any duplicates of the Software.

Article 7 No User Support

The Company will not respond to any inquiries or questions with respect to the Software.

RebroViewer Operation Guide (August 1, 2024, Version 6)
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