

## INSTALLATION OF METAL INSPECTION HATCHES

### SECTIONS:

1. Integrated metal inspection hatches.....1
2. Full-panel metal inspection hatches.....3

### 1. INTEGRATED METAL INSPECTION HATCHES

Integrated metal inspection hatches are formed within a single CEWOOD panel. The surrounding part of the panel remains as the outer CEWOOD frame, while a concealed metal frame supports the removable hatch door, which is made from the cut-out section of the same CEWOOD panel. The hatch can be opened and closed using concealed push-to-open snap locks whenever access is required.

This section covers only the installation of metal inspection hatches. For complete ceiling installation instructions, see the "Downloads" section under "Installation manuals" and select the relevant ceiling system.

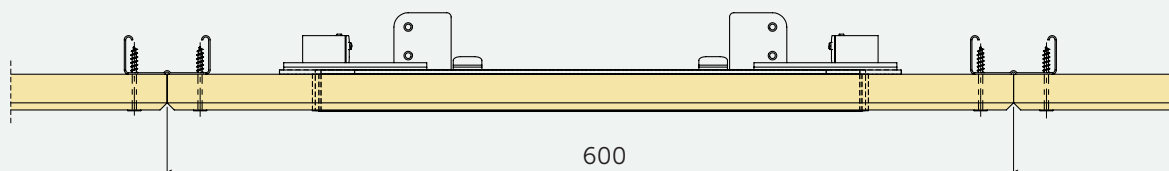
#### Technical specifications

|                        |                                                                                     |
|------------------------|-------------------------------------------------------------------------------------|
| Wood wool width        | 1.0 mm; other wood wool upon request                                                |
| Panel thickness        | 25 mm; 35 mm                                                                        |
| Size (standard panels) | 1200x600 mm; 600x600 mm                                                             |
| Colours                | natural painted, white, black, grey and any shade in RAL or NCS system upon request |
| Profiles               | P0; P5; other edge profiles upon request                                            |
| Fire reaction class    | B-s1, d0; A2-s1, d0                                                                 |

#### Metal component



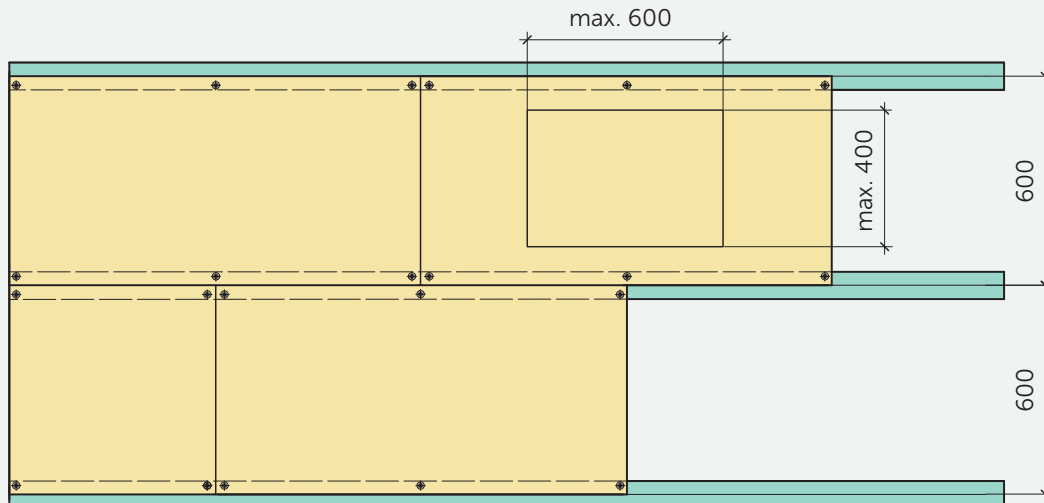
#### CEWOOD panel with integrated metal inspection hatch – side view



The CEWOOD Panel with the integrated metal inspection hatch is fixed to the CD profiles with screws at the standard 600 mm spacing.

## INTEGRATED METAL INSPECTION HATCHES

### Screw placement diagram with hatch



The CEWOOD panel with the integrated metal inspection hatch is installed in the same way as a standard CEWOOD panel, with no additional installation steps required. Use 6 screws for 1200x600 mm panels and 4 screws for 600x600 mm panels.



ⓘ Press the hatch panel to release the two concealed push-to-open snap locks. The blue safety catch arms hold the hatch securely in a partially open position and prevent it from dropping. Press the safety catch arms inward to release the hatch and open it fully. The hatch panel can also be completely removed if required.



## 2. FULL-PANEL METAL INSPECTION HATCHES

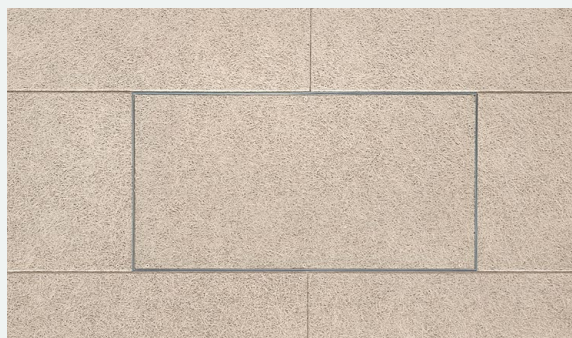
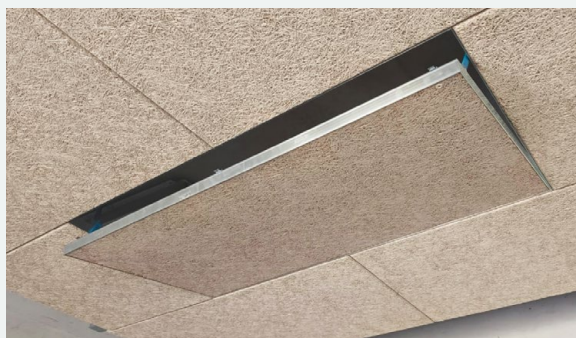
The full-panel metal inspection hatch spans the full size of a CEWOOD panel, meaning its outer frame is larger than the hatch itself. A CEWOOD panel is mounted directly onto the inner metal frame, creating a seamless and continuous surface. The hatch can be easily opened and closed using concealed push-to-open latches whenever access is required.

Although this solution is designed for high-end professional work and specific projects, this type of hatch requires appropriate modifications to the CD profile frame structure, due to its large metal frame.

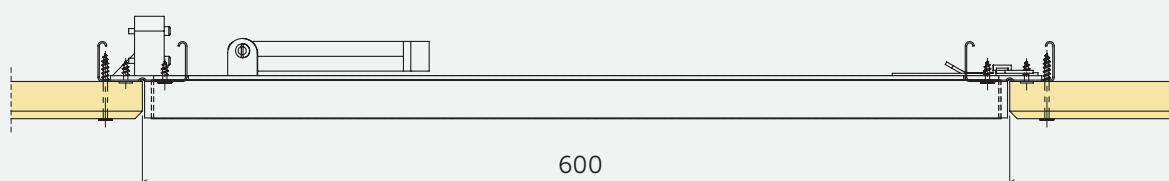
This section covers only the installation of metal inspection hatches. For complete ceiling installation instructions, see the "Downloads" section under "Installation manuals" and select the relevant ceiling system.

### Technical specifications

|                       |                                                                                     |
|-----------------------|-------------------------------------------------------------------------------------|
| Wood wool width       | 1.0 mm; other wood wool upon request                                                |
| Panel thickness       | 25 mm                                                                               |
| Size with metal frame | 1243x643 mm; 643x643 mm                                                             |
| Colours               | natural painted, white, black, grey and any shade in RAL or NCS system upon request |
| Profiles              | P0                                                                                  |
| Fire reaction class   | B-s1, d0; A2-s1, d0                                                                 |



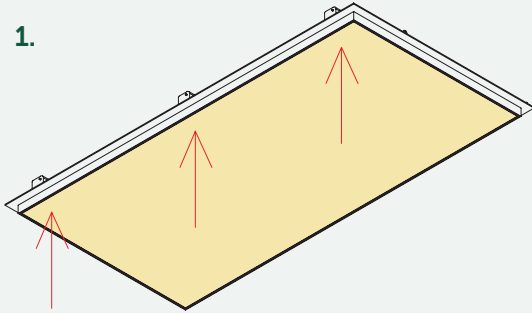
### CEWOOD panel as a full-panel inspection hatch - side view



## FULL-PANEL METAL INSPECTION HATCHES

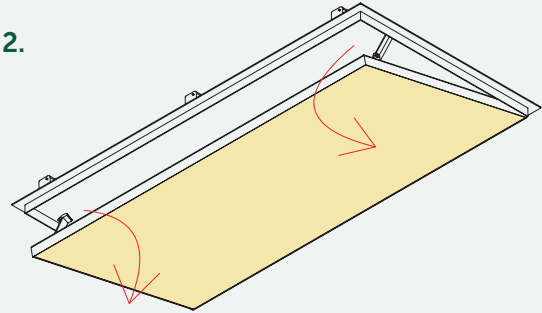
### Outer frame separation

1.



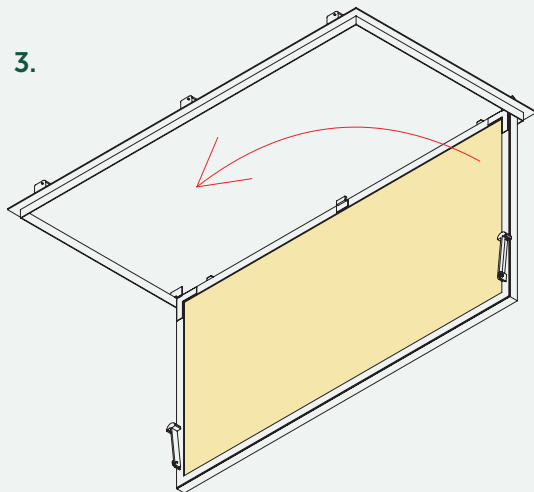
Press the push-to-open latches to release all 3 mechanisms, allowing you to separate the inner frame from the outer frame.

2.



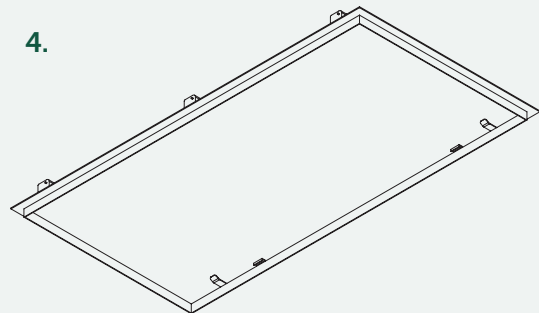
Press the safety catch arms inward to release the hatch and open it fully.

3.



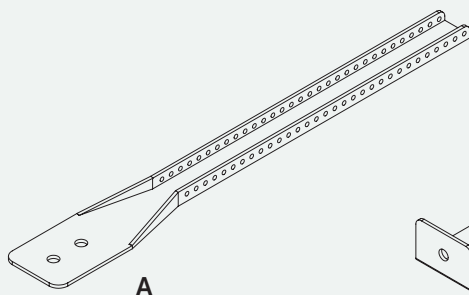
Tilt the inner frame to remove it completely.

4.

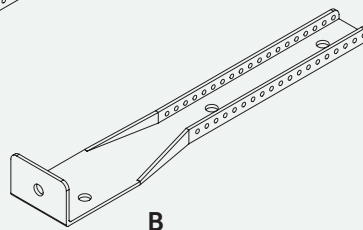


Proceed with the proper installation of the outer frame into the ceiling structure.

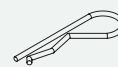
### Included components for load-bearing and inspection hatch support



A



B



C

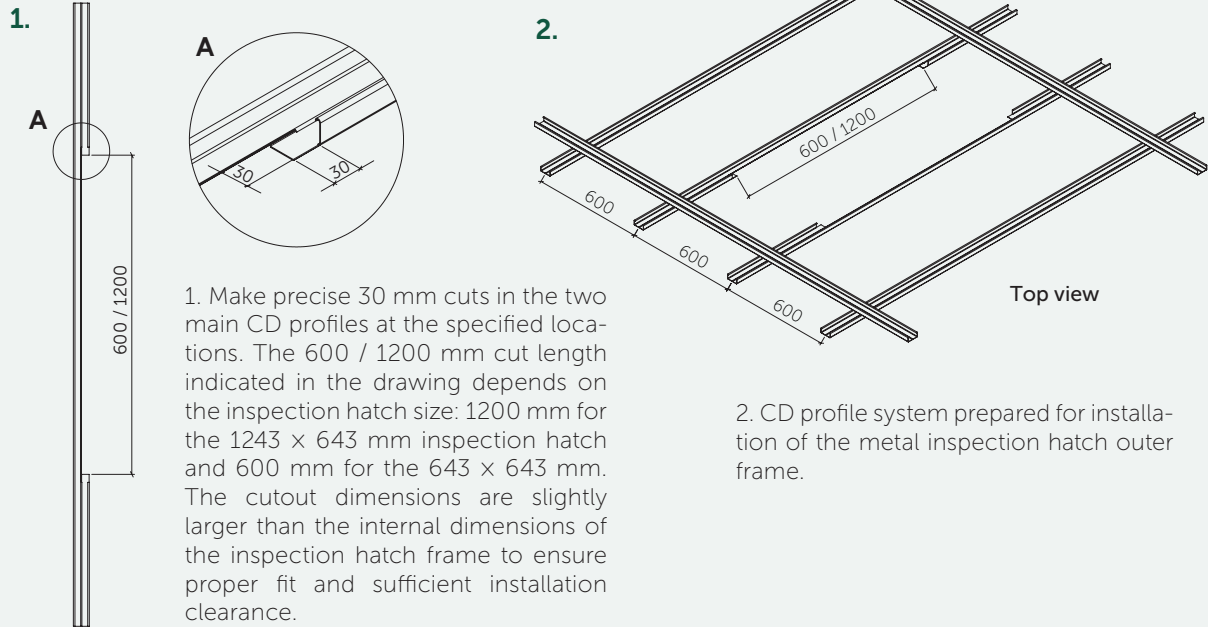
A - Nonius upper part

B - Nonius lower part

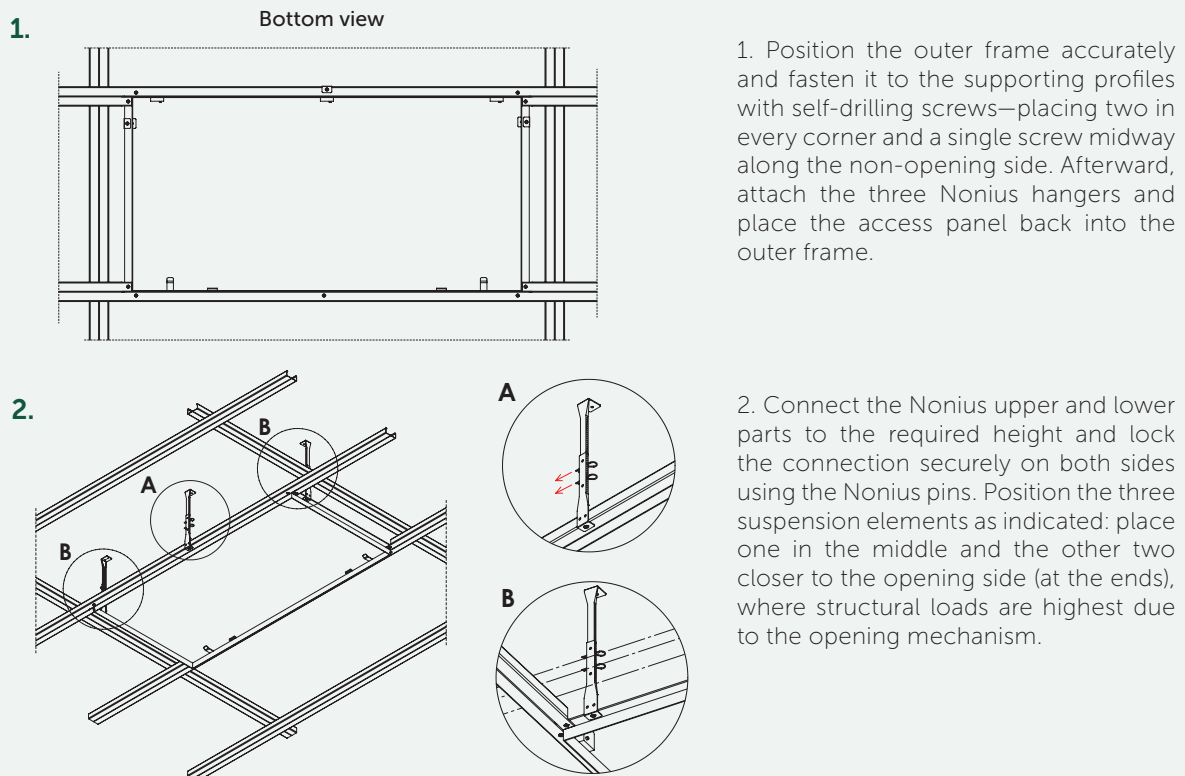
C - Nonius pin

## FULL-PANEL METAL INSPECTION HATCHES

### CD Profile frame system preparation

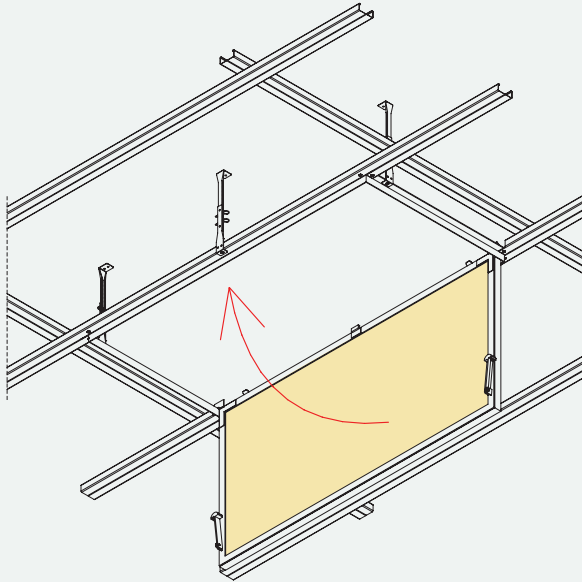


### Outer frame installation and suspension



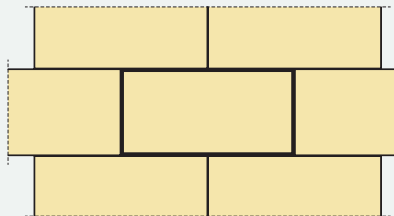
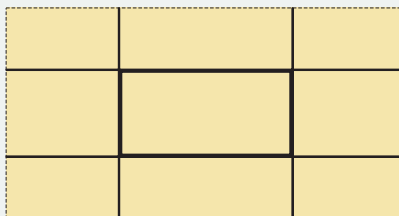
## FULL-PANEL METAL INSPECTION HATCHES

### Final installation of the inner frame



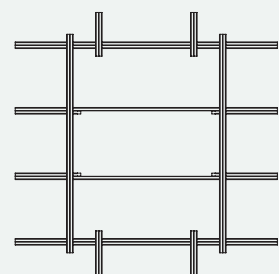
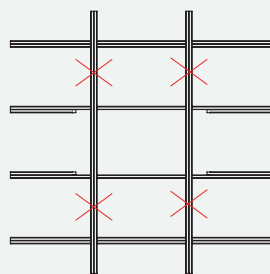
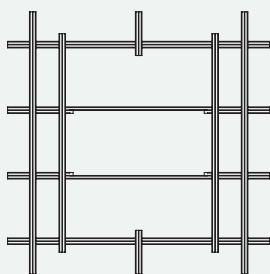
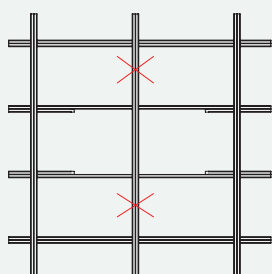
Re-insert the inner frame panel back into the outer frame in the reverse order of removal. Securely attach the safety catch arms and test the operation to ensure all three push-to-open mechanisms activate and function correctly.

### Panel installation pattern



Install the surrounding panels around the access frame using either a direct grid layout or a staggered pattern.

### CD profile and load bearing adaption



Adaptation by relocating one CD profile

Adaptation by relocating two CD profiles

- ! Where framing is already installed as part of standard ceiling construction, relocating one or two CD profiles falling within the path of the access hatch may be required, as illustrated in the diagrams. All installation practices must comply with the standard ceiling requirements specified earlier in this guide. Additional Nonius suspension elements are provided specifically to support and secure this modified load-bearing framework.