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OPERATING INSTRUCTIONS

MAW110Plus



MANUAL Mobile Wall

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1. GENERAL INFORMATION AND REMARKS

This manual **describes the operation of the wall of the MAW110Plus mobile system**. It consists of panels placed next to each other, moving along rails mounted in the ceiling.

The basic functions of the mobile wall are:

- **dividing a used room - spreading the panels** in the track, leading them out of the parking rack or parking space (depending on the type of panel suspension system)

At a given stage, the diagrams are presented in the form of illustrations with specific comments, recommendations and warnings.

In this manual, **graphic symbols are used to pay special attention** to information important for the mobile system:



FOR INFORMATION

A note or recommendation that must be followed in order to improve the assembly process of the mobile system



CAUTION

Particular attention or **dependencies to be followed!**



WARNING!!!

Special attention or warning that must be strictly observed!

2. WALL SPECIFICATION

The **MAW110Plus** mobile wall system is a system consisting of panels (modules) that enables easy separation of rooms from any usable space. An additional advantage is the fact that they are available in **standard or increased acoustics**. The panels are hung on carriages moving on different tracks depending on the weight; they can be hung on **1 carriage** or on **2 carriages** (then there is a parking rack).

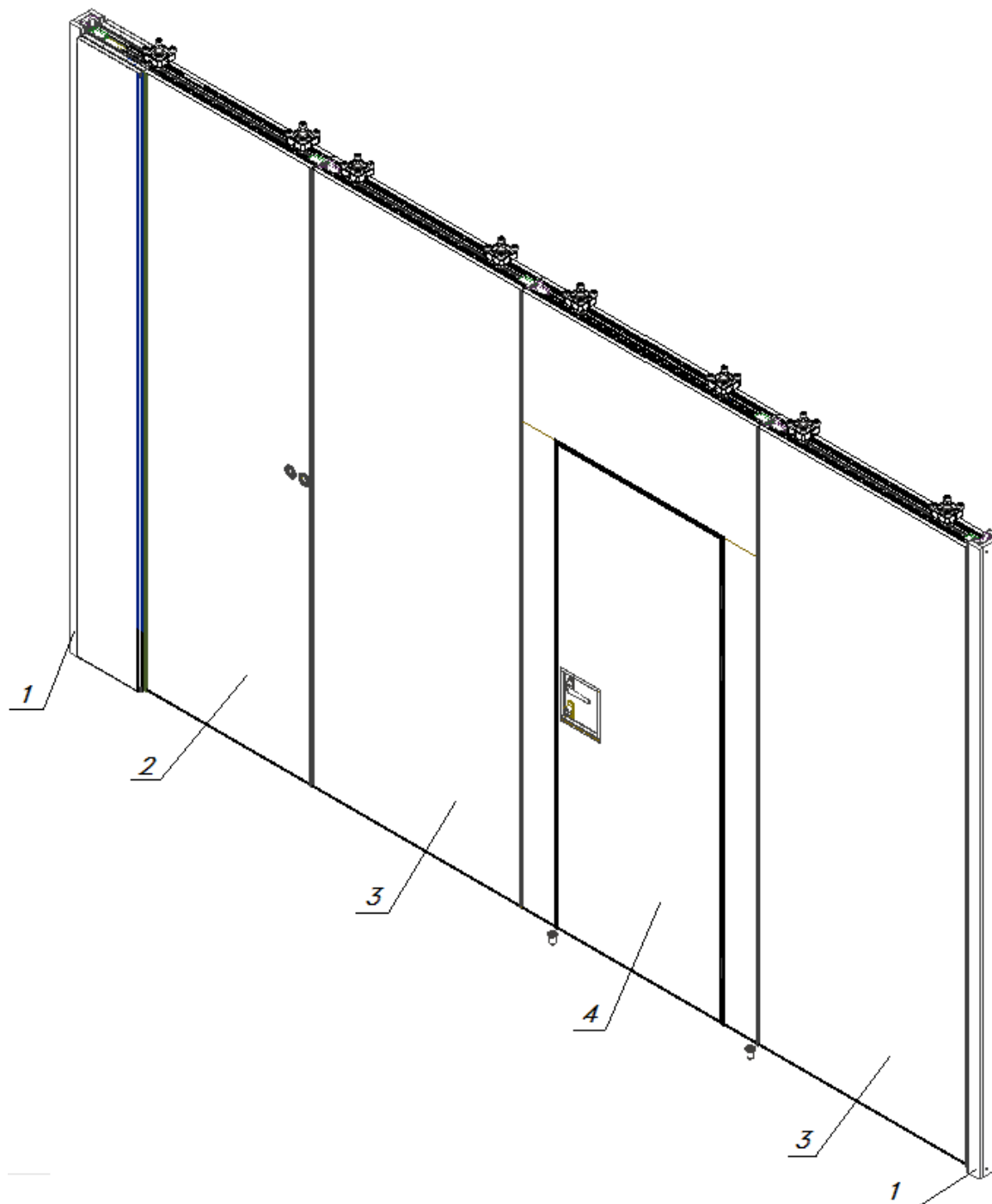


Fig.1. Example of the arrangement of panels in the wall:

- | | |
|--------------------------|--------------------|
| 1-wall batten | 2-telescopic panel |
| 3-plain panel (standard) | 4-door panel |

The essential elements of each type of panel are indicated below:

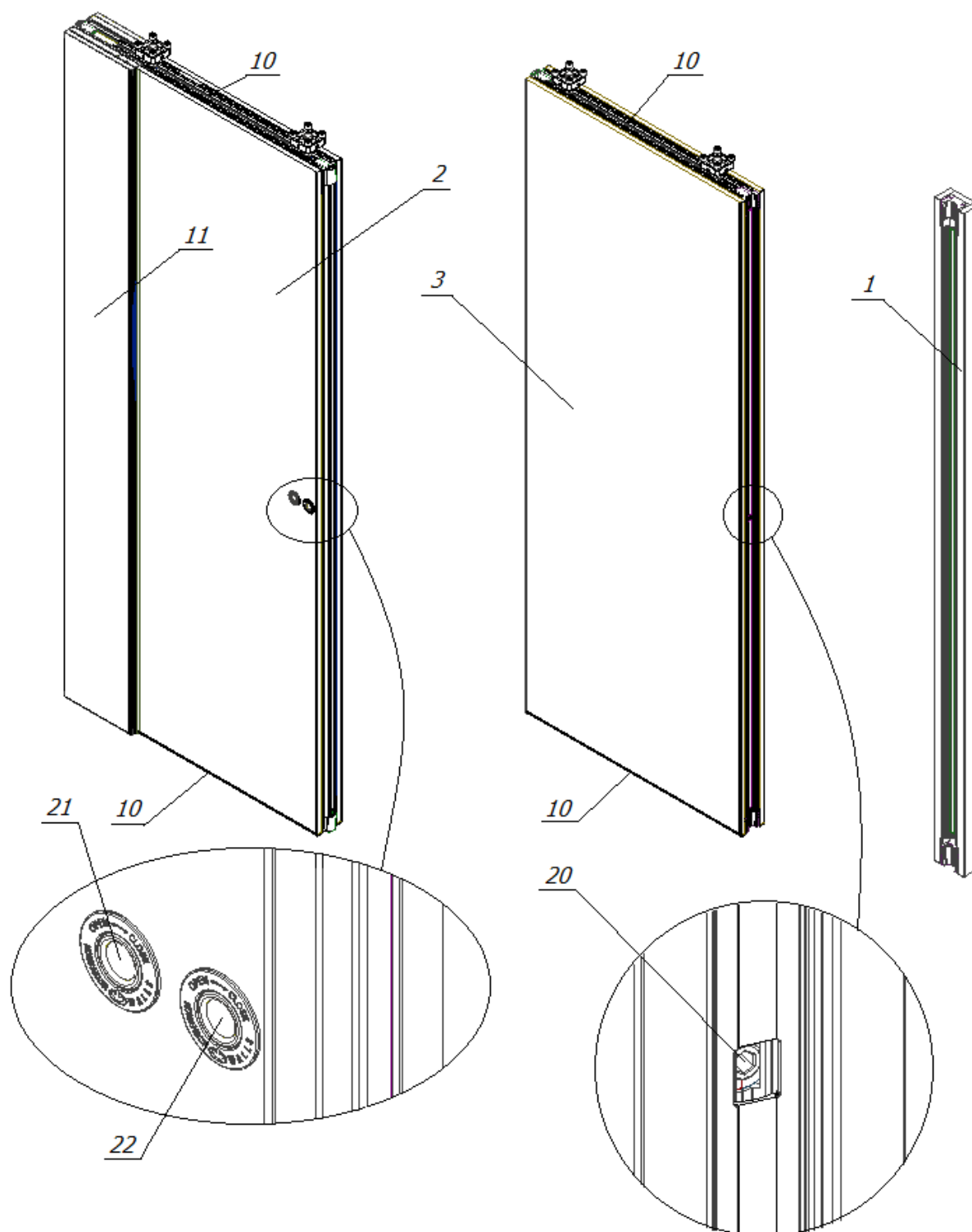


Fig.2. Simplified diagram of the construction of basic modules of the manual mobile wall

1-wall batten	10-beams extending the panels
2-telescopic panel	11-sliding part of the telescopic panel (drawer)
3-plain panel (standard)	20-extending the plain panel
	21-extending the sliding part of the telescopic panel (drawers)
	22-extending the telescopic panel

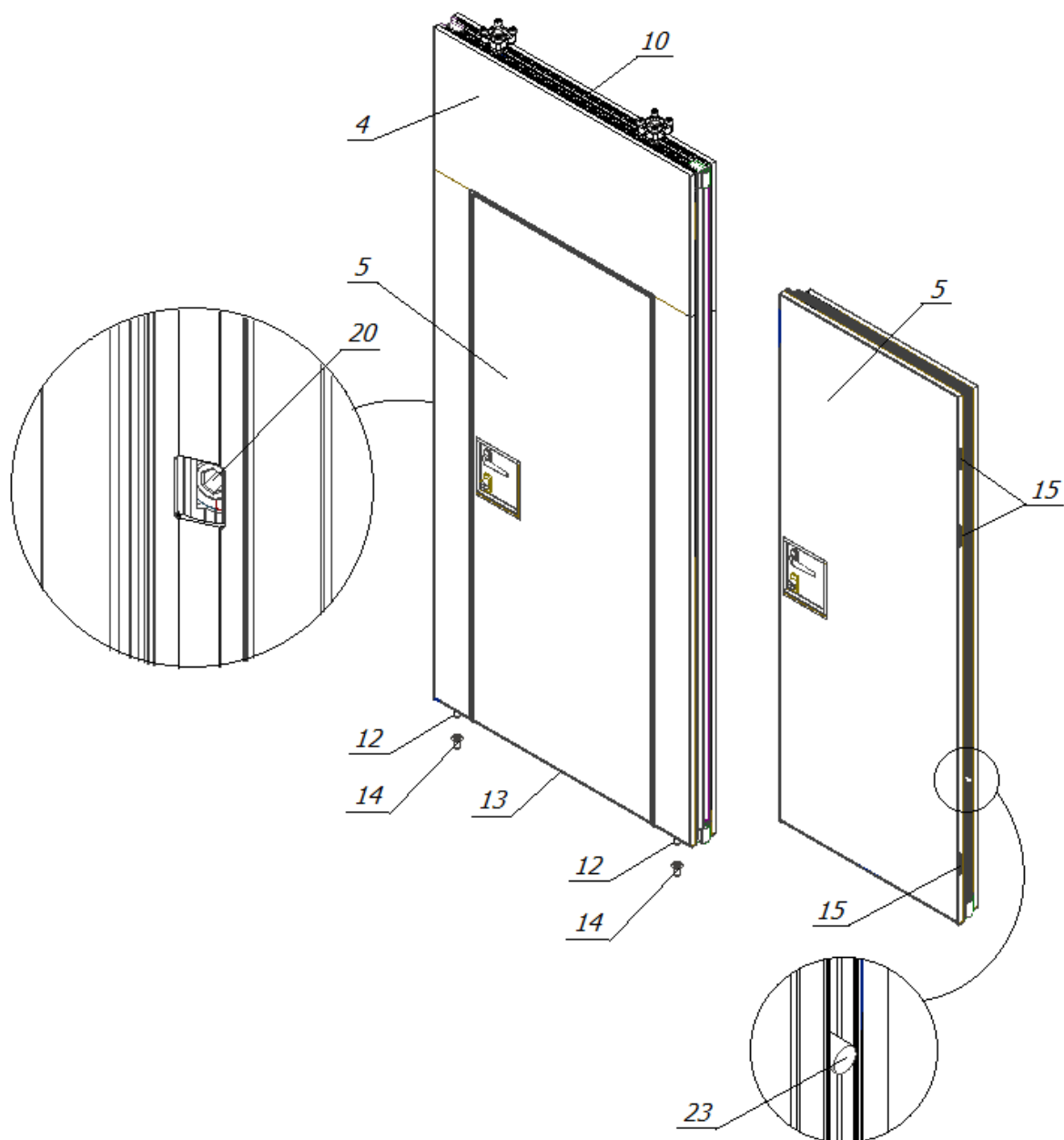


Fig.3. Simplified diagram of the construction of the door panel of the mobile wall

- | | |
|---|---|
| 4-door panel frame | 5-door leaf of the door panel |
| 12-pin embedding the lower parts of the frame | 13-door sealing beam |
| 15-concealed hinges | 14-floor socket |
| 20-extending the door panel | 23-pin regulating the pressure of the door sealing beam |

3. FUNCTIONAL SCHEME OF THE WALL

Depending on the type of panel suspension (1-point or 2-point), the principle of unfolding and folding of the walls is the same. The difference is that in the wall with suspension:

- **2-point** - the panels are parked **in the parking rack** (fig.4)
- **1-point** - the panels are parked **along the axis** of the wall on one side (fig.5)

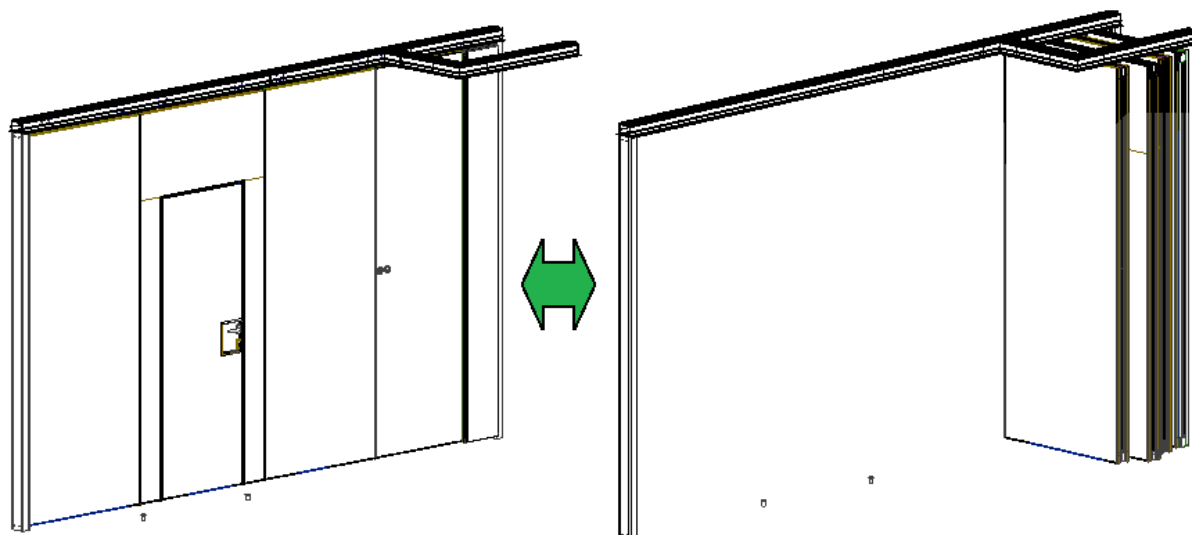


Fig.4. Layout of panels in a **2-point suspension** wall with a parking space

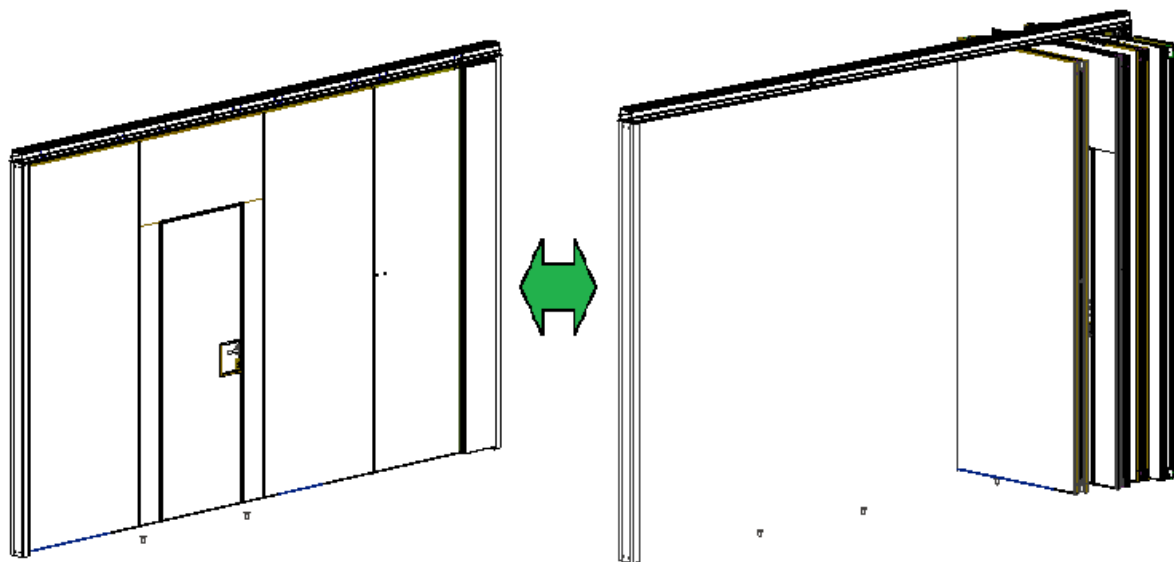


Fig.5. Layout of panels in a **1-point suspension** wall

The unfolding and folding of the mobile wall is presented step by step in chapters 5 and 6. **In addition, please read the information and notices.**

4. LOCKING THE WALL MODULES

After installing the entire system in the room, we can start operating it. The mobile wall has 2 basic functions. It can be:

- **UNFLODED (divide the room)** - by leading out the mobile panels:
 - **from the parking rack** - for a 2-point suspension wall (Fig.4)
 - **from the parking space** - for a 1-point suspension wall (Fig.5)
- **FOLDED (restore the space of the room)** - by leading out the mobile panels:
 - **into the parking rack** - for a 2-point suspension wall (Fig.4)
 - **into the parking space** - for a 1-point suspension wall (Fig.5)



FOR INFORMATION

Each manual panel is **locked** or **unlocked** by spreading beams (10, 12), which are activated with a **KEY (Fig.6)**. It is inserted into the holes in the panels (20, 21, 22, Fig.7-10) and by turning it in the right direction:

- **TO THE RIGHT** blocking the panel - spreading beams extend - clockwise - (marked in red in figures 7-10)
- **TO THE LEFT** unlocking the panel - spreading beams are hidden - counterclockwise - (marked in green in figures 7-10)



Fig.6. A key for locking and unlocking the mobile panels in the manual MAW110Plus wall system



WARNING !!!

The spreading beams (10, 12) in the panels are released until they are **COMPLETELY hidden in the panel profiles**, so that **the gap** between the floor and the panel and the track and the panel are **clearly visible** (green in Fig.7-10)

4.1. Locking the plain panel (standard)

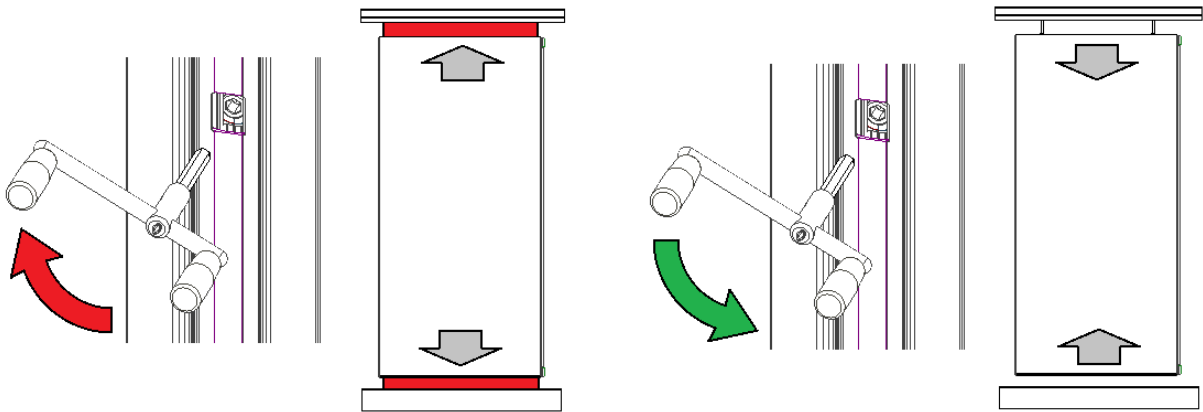
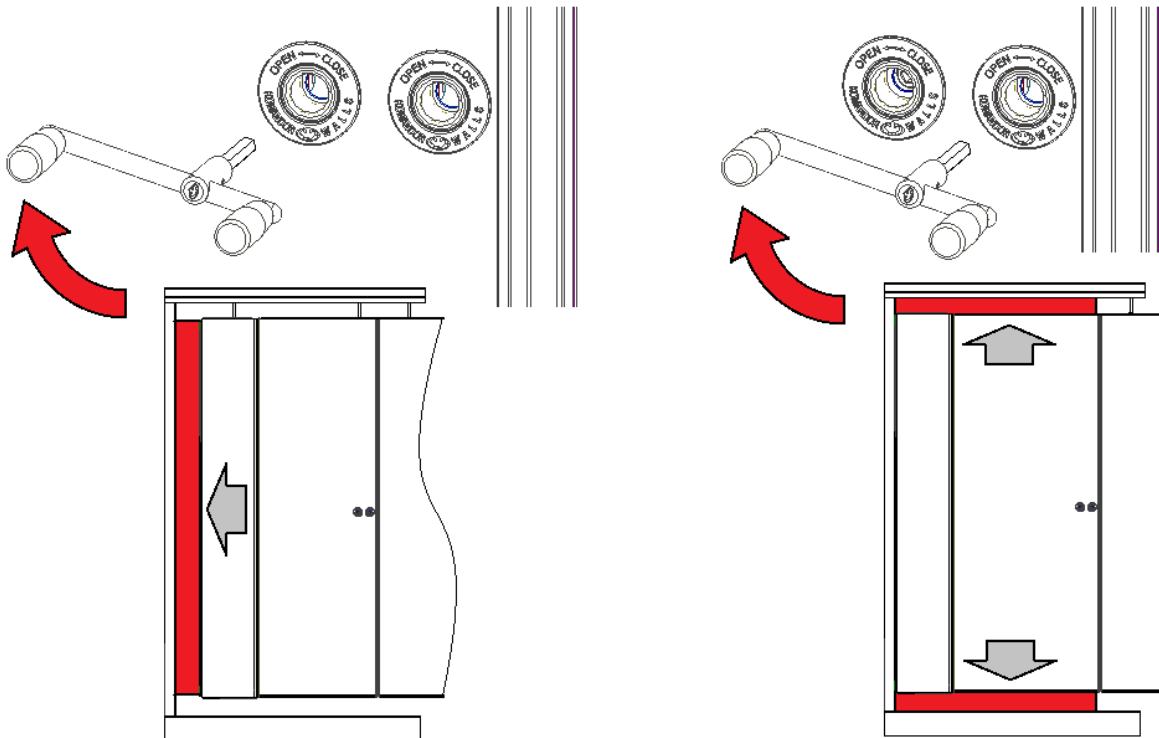


Fig.7. Locking (left) and unlocking (right) a plain/standard panel

4.2. Locking the telescopic panel



Rys.8. Locking the telescopic panel from the left: pull-out part (drawer),

from the right: extending the spreading beams



CAUTION

To lock the telescopic panel **correctly**, the key must be inserted **FIRST** into the left hole (21) and then into the right one (22)



FOR INFORMATION

After the locking or unlocking process is completed, **the telescopic panel mechanism always leaves one hole plugged**, eliminating the incorrect order of key entry by the user

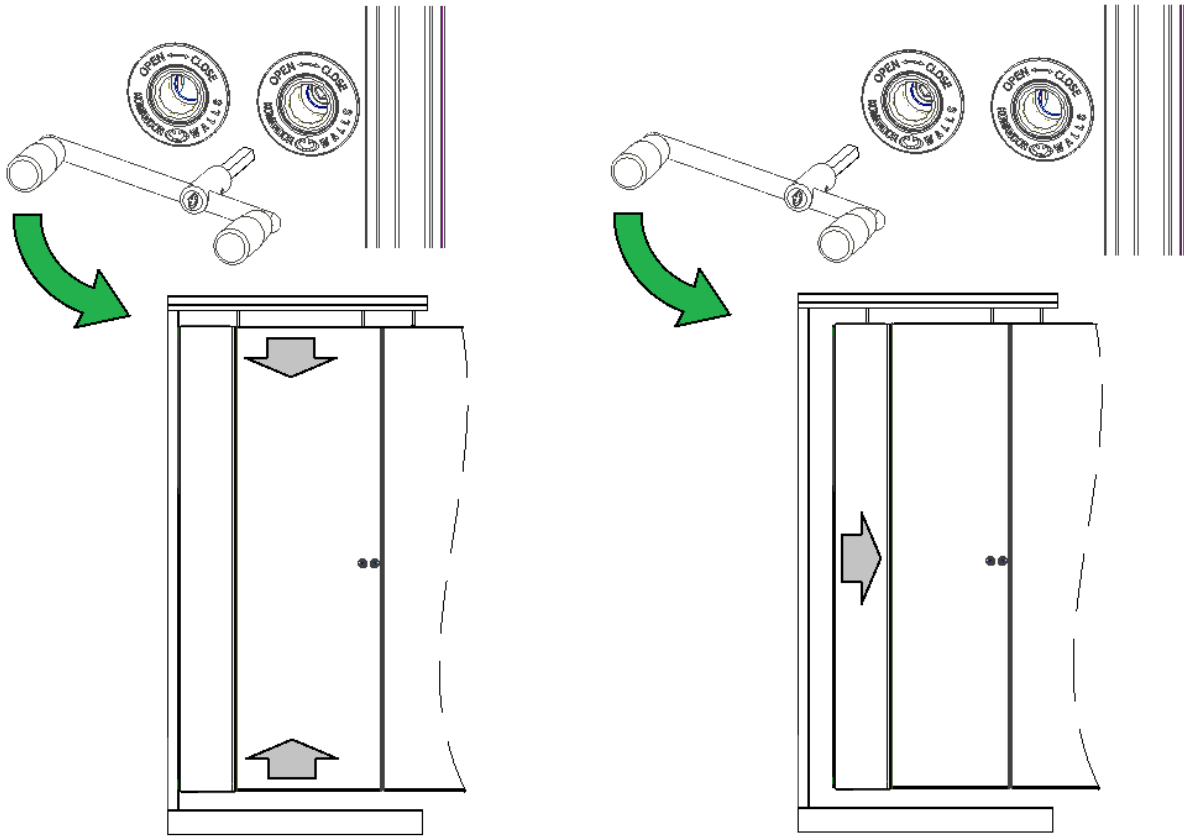


Fig.9. Unlocking the telescopic panel from the left: hiding the spreading beams

from the right: hiding the pull-out part (drawers),



CAUTION

To unlock the telescopic panel **properly**, the key must be inserted **FIRST** into the **right hole (22)** and then into the **left one (21)**

4.3. Locking the door panel

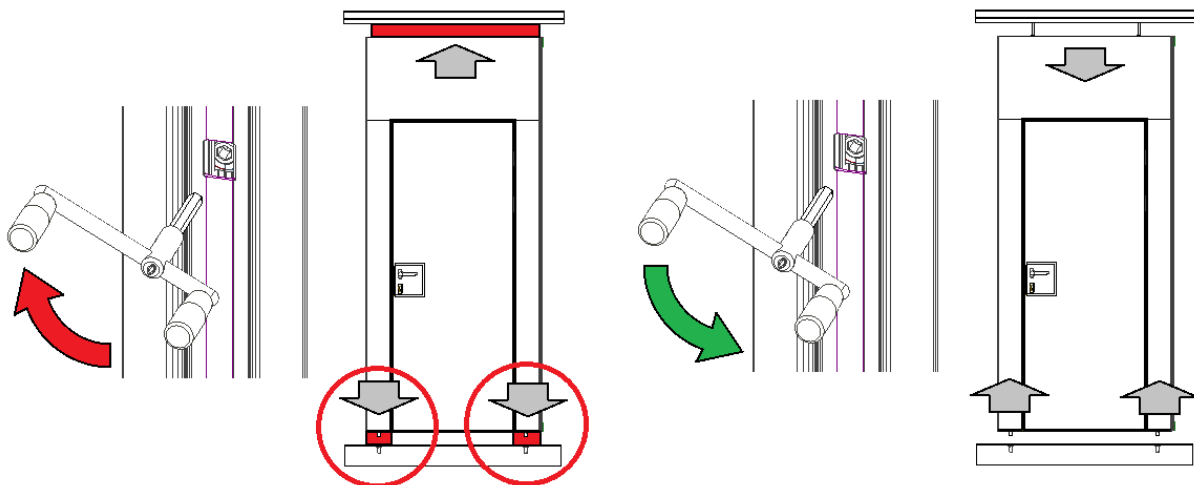


Fig.10. Locking (from the left) and unlocking (from the right) the door panel

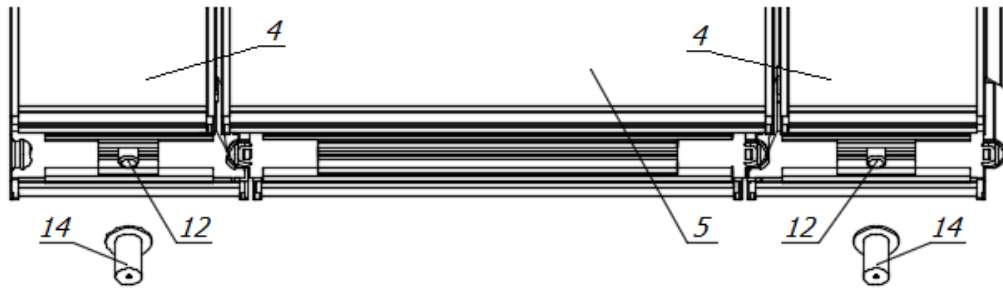


Fig.11. Correct positioning of the door panel when locking

4-door panel frame

5-door leaf of the door panel

12-pin embedding the lower parts of the frame

14-floor socket



CAUTION

The ends of the beams spreading the door frame (12) **must go to the floor sockets (14)**. Otherwise, there is a risk of the panel sliding when closing the door. When spreading, **make sure** that the ends of the beams (12) enter the sockets in the floor (14)

Adjustment of the pin of the sealing beam (13) takes place right after the wall is assembled and before its first use. Occasionally **check that the door sealing beam (13) is not too tight to the ground before the door closes.**

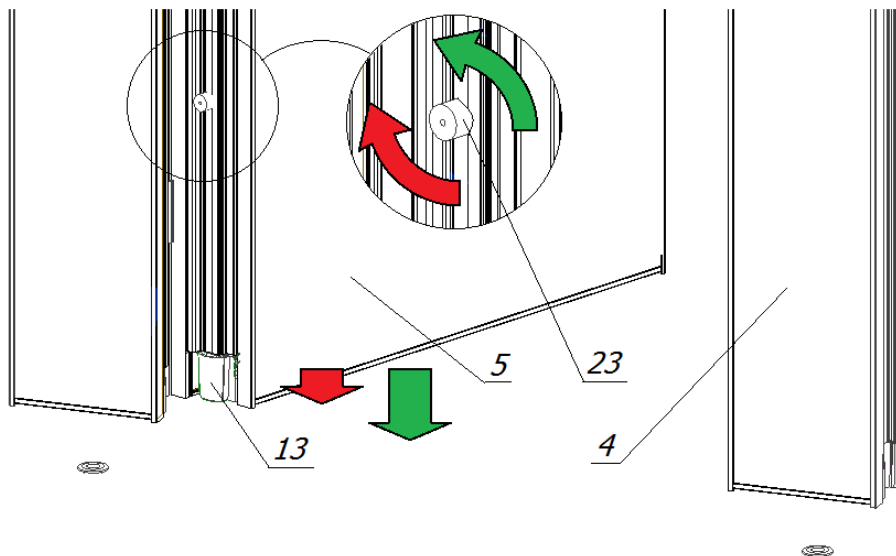


Fig.12. Adjusting the pressure of the door sealing beam

4-door panel frame

5-door leaf of the door panel

13-door sealing beam

23-pin regulating the pressure of the door sealing beam



FOR INFORMATION

Adjustment of the lower beam (13) is done by means of the pin (23) by turning:

- **RIGHT, increasing the pressure** to the ground (marked with a colored **green vertical arrow** in Fig.12)
- **LEFT, reducing the pressure** to the ground (marked with a colored **shorter red arrow** in Fig.12)

5. UNFOLDING THE WALL

The essence of this chapter is the step-by-step process of **unfolding the wall**, i.e. **dividing the room** by removing the panels:

- **from the parking rack** - for a wall with a 2-point suspension (Fig.4)
- **from the parking spaces** - for a wall with a 1-point suspension (Fig.5)

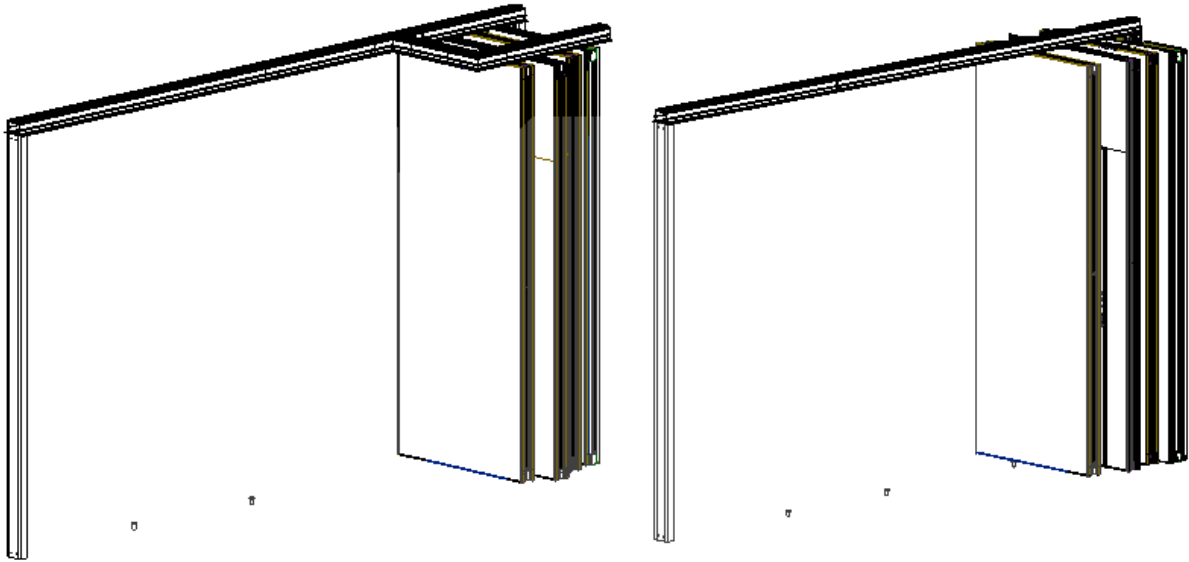


Fig.13. Folded mobile wall before the process of its unfolding
from the left: for a wall with a 2-point suspension from the right: for a 1-point suspension wall



FOR INFORMATION

The same rules of conduct apply, regardless of how many and in what order the panels are arranged in the wall.

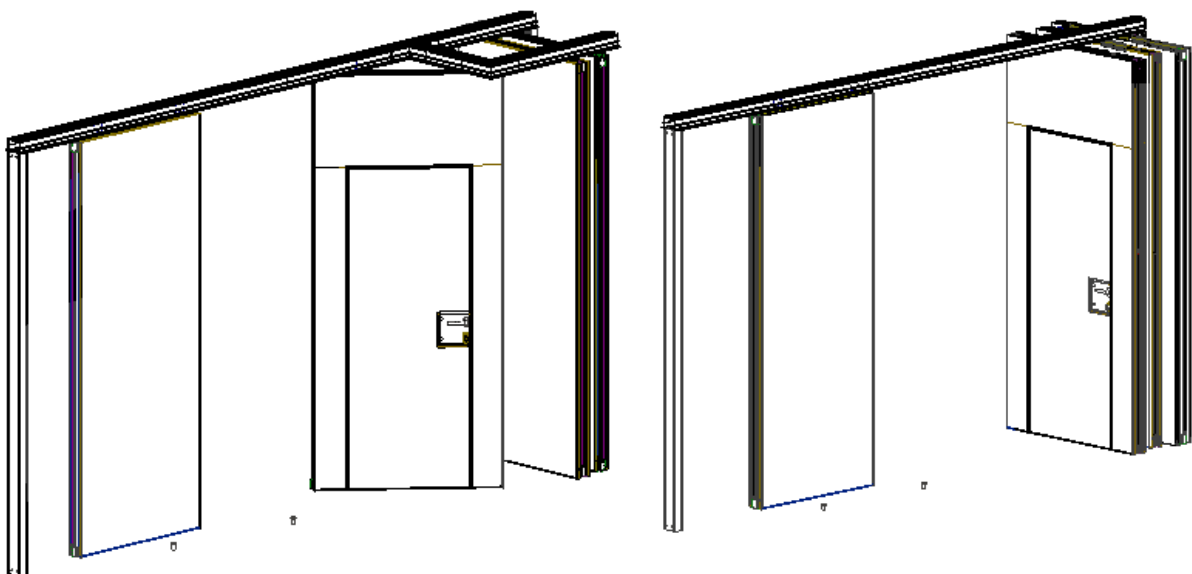


Fig.14. Illustration of points 1-3 of unfolding the wall
from the left: for a wall with a 2-point suspension from the right: for a 1-point suspension wall

1. Take the panel (3) out of the parking rack (or parking place) and drive to the skirting board (1)
2. Lock the panel (3) with a **key by inserting it into the hole (20) in the aluminum profile (Fig.7)**



CAUTION

Despite the presence of vertical magnetic stripes in the profiles, **lightly press the panel** so that the **aluminum profiles have more secure contact with each other**. Do this with **each panel**



FOR INFORMATION

Locking the panels (by extending the spreading beams) is done with the key, which is turned **to the RIGHT** (colors of **red arrows in Fig.7-10**)

3. Repeat the steps from point 2 for **the door panel (4)** keeping the above comments (Fig.10)



CAUTION

Check whether the ends of the beams spreading **the door frame (12) HAVE FIT into the sockets in the floor (14) (Fig.11)**

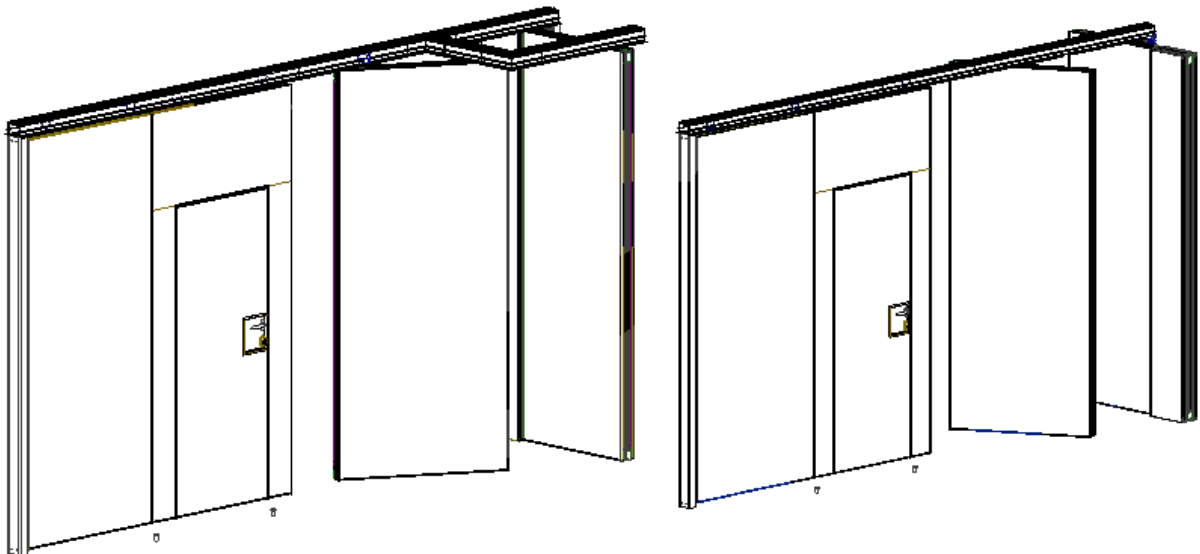


Fig.15. Illustration of point 4 of unfolding the wall
from the left: for a wall with a 2-point suspension from the right: for a 1-point suspension wall

4. Depending on how many regular panels (3) or door panels (4) the wall has **in front of the telescopic panel (2)**, **repeat the actions according to points 2 and 3 (Fig.7 and 10)**.
5. Take the telescopic panel (2) out of the parking rack (or parking space) and reach the penultimate panel (it can also be a door panel)

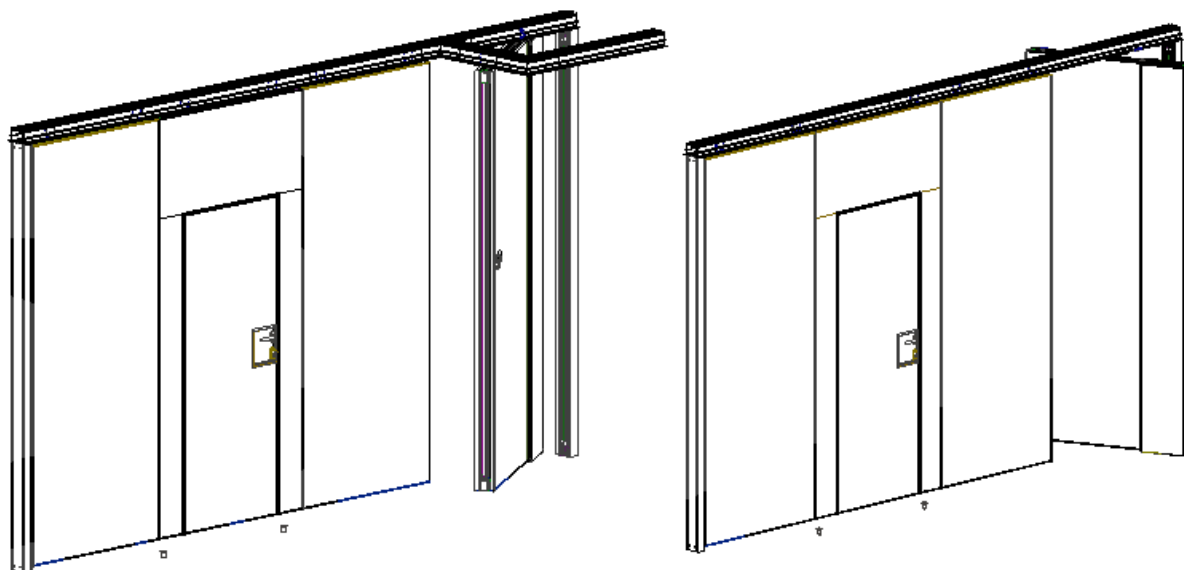


Fig.16. Illustration of point 5 of unfolding the wall
from the left: for a wall with a 2-point suspension from the right: for a 1-point suspension wall

6. Lock the telescopic panel (2) with the key by inserting it into the LEFT hole (21) first. When the withdrawable part (11) securely reaches the skirting board (1), the second RIGHT hole (22) will be revealed (Fig.8). Before inserting the key into the right hole, check the gaps in the door panel (4) if present in the wall (see NOTES on the next page!)

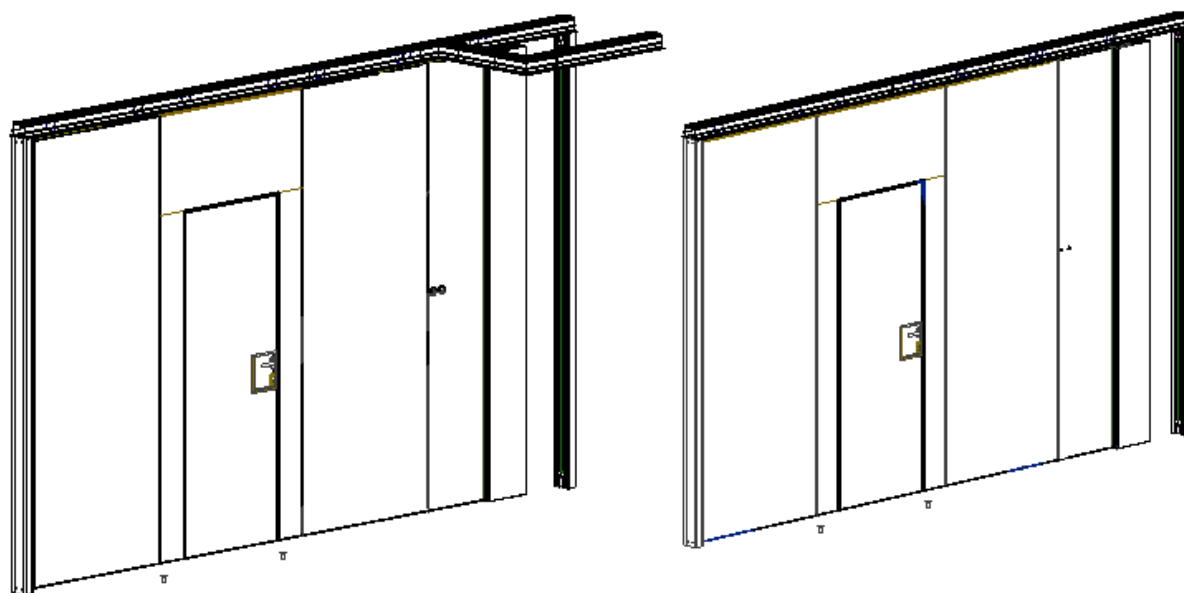


Fig.17. Illustration of point 6 of unfolding the wall
from the left: for a wall with a 2-point suspension from the right: for a 1-point suspension wall

7. If there is no door panel (4) lock the telescopic panel (2) completely by inserting the key into the RIGHT hole (22) (Fig.8)



CAUTION

Check if the sliding part (11) of the telescopic panel (2) **has not reduced the gap between the door frame (4) and the door itself (5)** compared to the gap visible between the hinges (Fig.18)

The expanding force may move the lower parts of the door panel frame (4) to the side, blocking the door (5) and making it IMPOSSIBLE to open (red color in Fig.18)



FOR INFORMATION

The situation is different if the door panel is **several panels away** from the telescopic panel (2). Spacing the panels between them should prevent this phenomenon of gap reduction. However, **it is recommended to check** if the door panel is working properly **(green in Fig.18)**

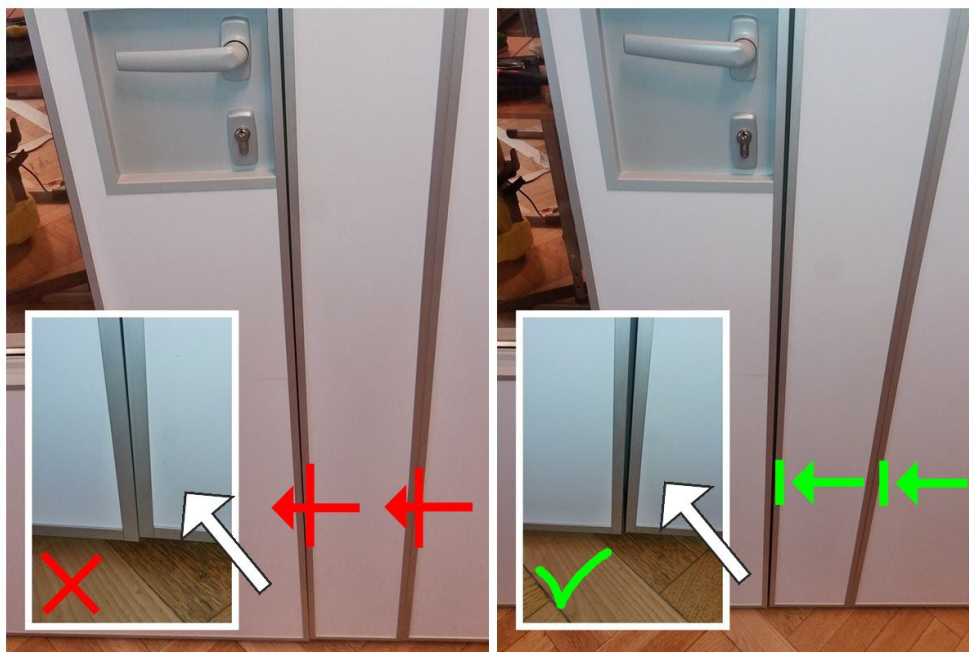


Fig.18. Risk that may occur when expanding the telescopic panel (2) causing deformation of the door panel (4)

from the left: invisible gap - **no possibility** to open the door from the right: visible gap - **OK**

8. After complying with the above remarks regarding the door panel (4), lock the telescopic panel (2) completely by **inserting the key into the RIGHT hole (22) (Fig.8)**

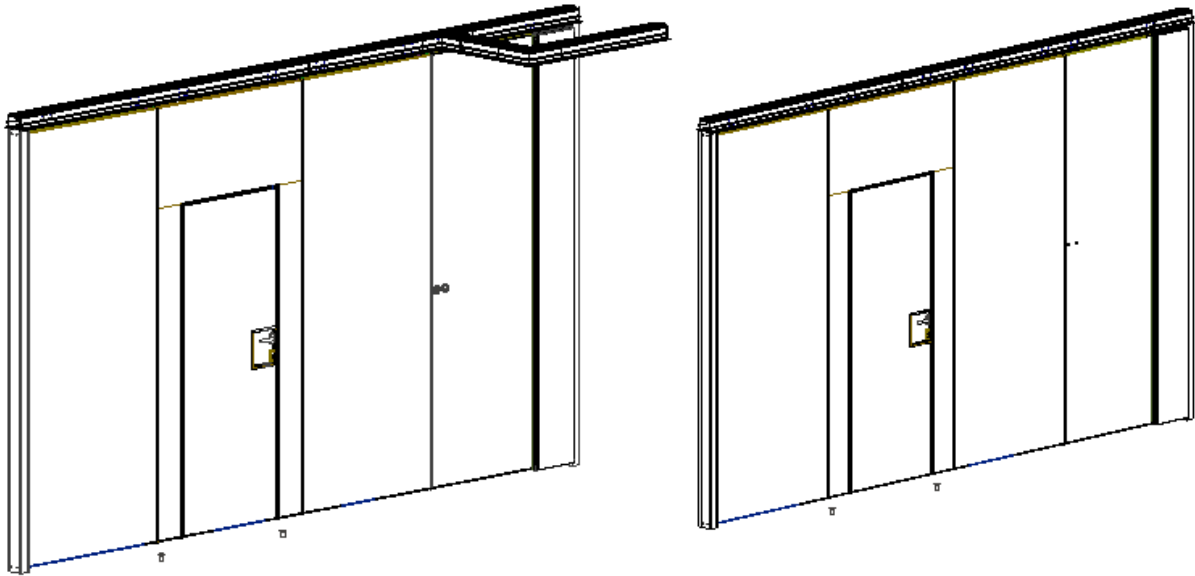


Fig.19. Illustration of points 7-8 of the ready, unfolded wall
from the left: for a wall with a 2-point suspension from the right: for a 1-point suspension wall



The wall is unfolded - the room has been divided

6. FOLDING THE WALL

The essence of this chapter is the step-by-step process of **folding the wall**, i.e. **restoring the space of the room** in which the described mobile wall is located, introducing panels:

- to the parking rack - for a 2-point suspension wall (Fig.4)
- to the parking space - for a 1-point suspension wall (Fig.5)

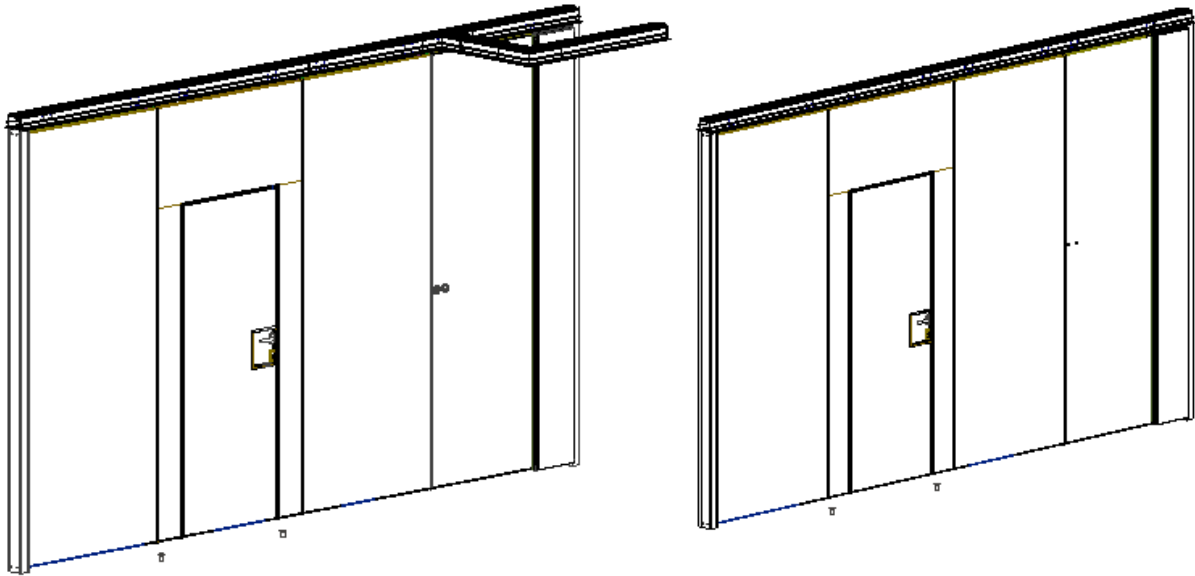


Fig.20. Unfolded mobile wall before the process of its assembly
from the left: for a wall with a 2-point suspension from the right: for a 1-point suspension wall



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The same rules of conduct apply, regardless of how many and in what order the panels are arranged in the wall.

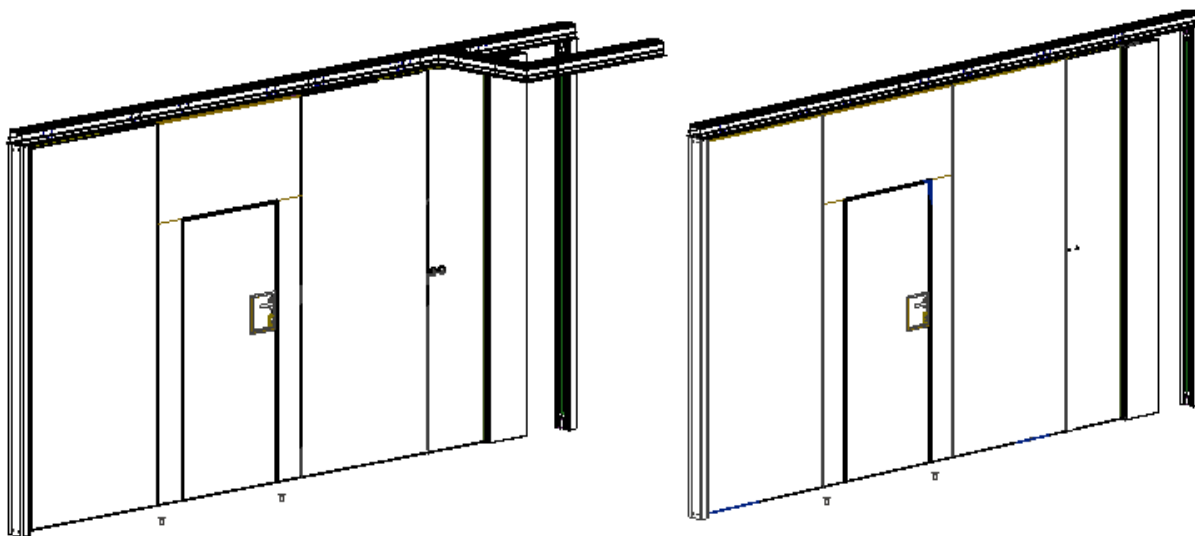


Fig.21. Illustration of points 1-2 of assembling the wall
from the left: for a wall with a 2-point suspension from the right: for a 1-point suspension wall

1. Unlock the telescopic panel (2) with the key **by inserting it into the RIGHT hole (22) first**. When the top/bottom draw-out beams (10) are completely hidden in the profiles, **the second LEFT opening (22) will be revealed (Fig.9)**
2. Unlock the telescopic panel (2) completely **by inserting the key into the LEFT hole (21) (Fig.9)**
3. Drive the telescopic panel (2) into the parking rack (or parking space)

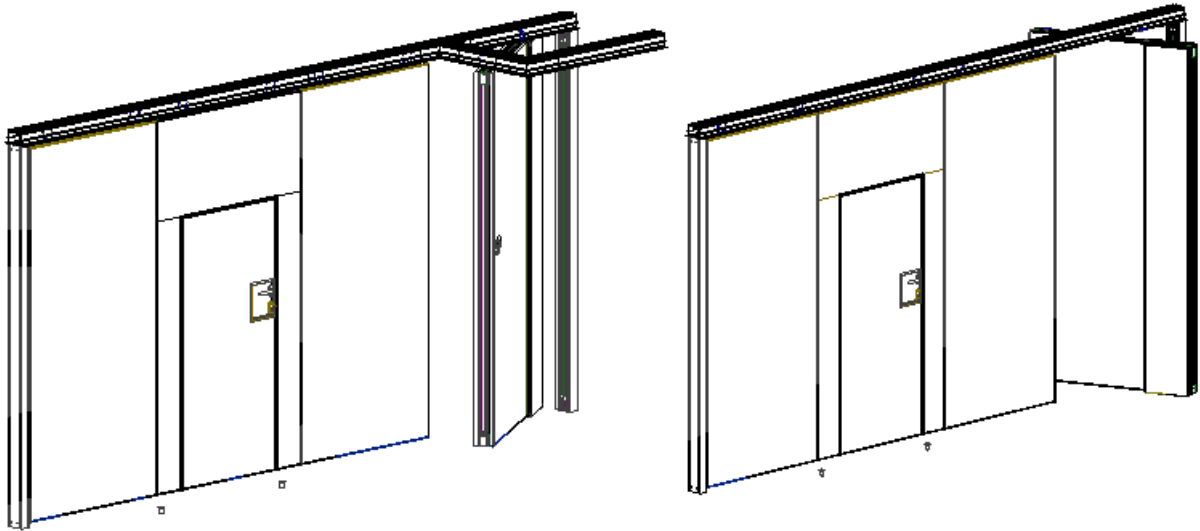


Fig.22. Illustration of point 3 of assembling the wall
from the left: for a wall with a 2-point suspension from the right: for a 1-point suspension wall

4. Unlock the panel (3) using **the key by inserting it into the hole (20) in the aluminum profile (Fig.7)**
5. Drive the panel (3) into the parking rack (or parking space)

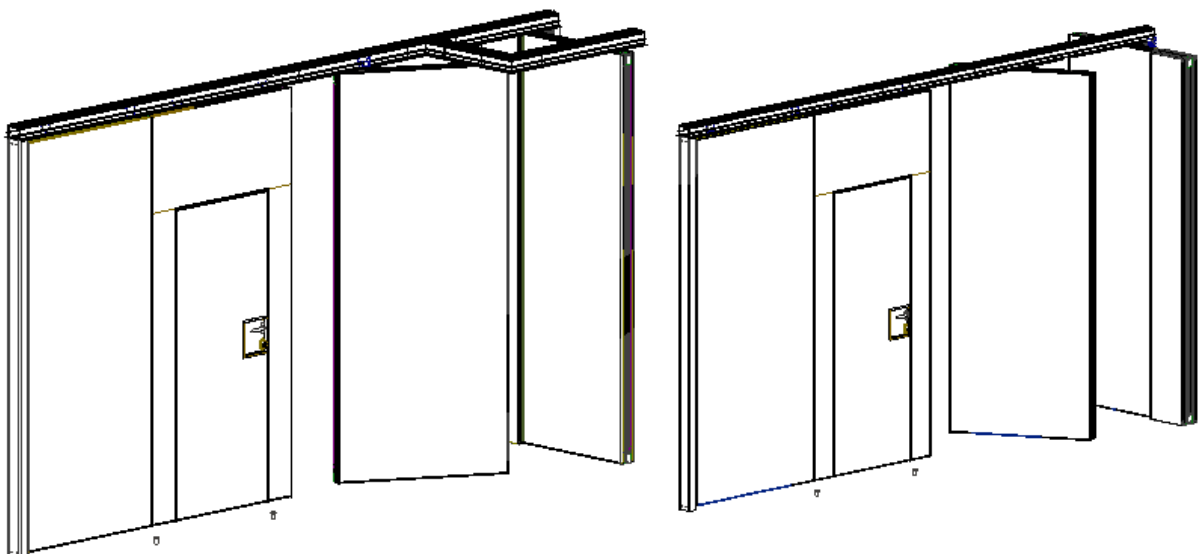


Fig.23. Illustration of points 4-5 of assembling the wall
from the left: for a wall with a 2-point suspension from the right: for a 1-point suspension wall

6. Repeat steps 4-5 for **the door panel (4) (Fig.10)**

7. Depending on how many regular panels (3) or door panels (4) the wall has, **repeat the steps according to points 4-5 (Fig.7 and 10).**

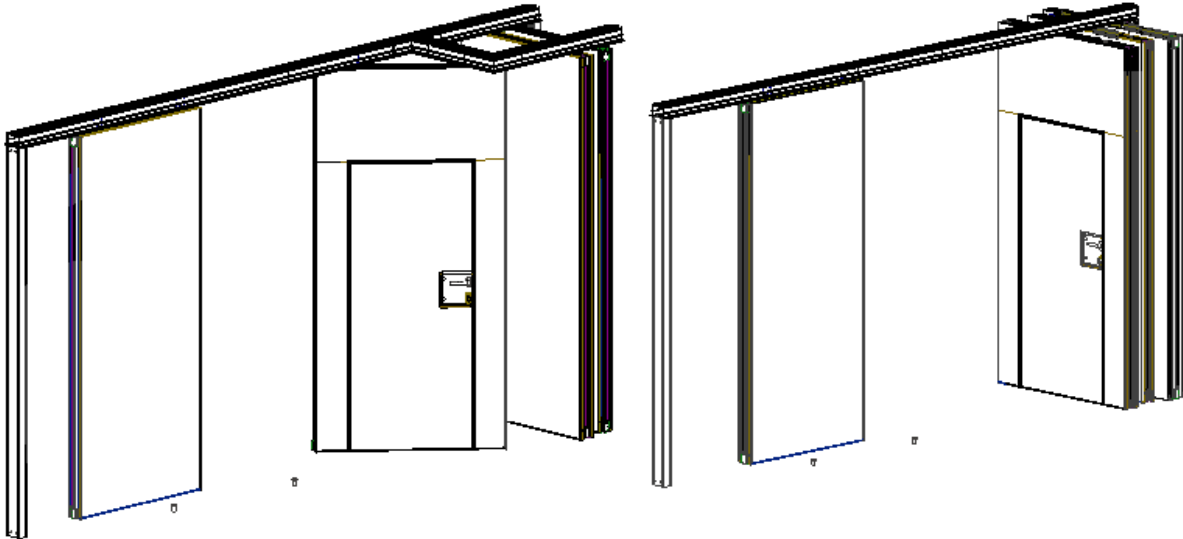


Fig.24. Illustration of points 6-7 of assembling the wall
from the left: for a wall with a 2-point suspension from the right: for a 1-point suspension wall



CAUTION

It is recommended to block the panels in the parking rack (or parking place) (as when unfolding the wall) to seemingly relieve the panels hanging on the parking rack or track axis - you can do this **every 2 panels**.

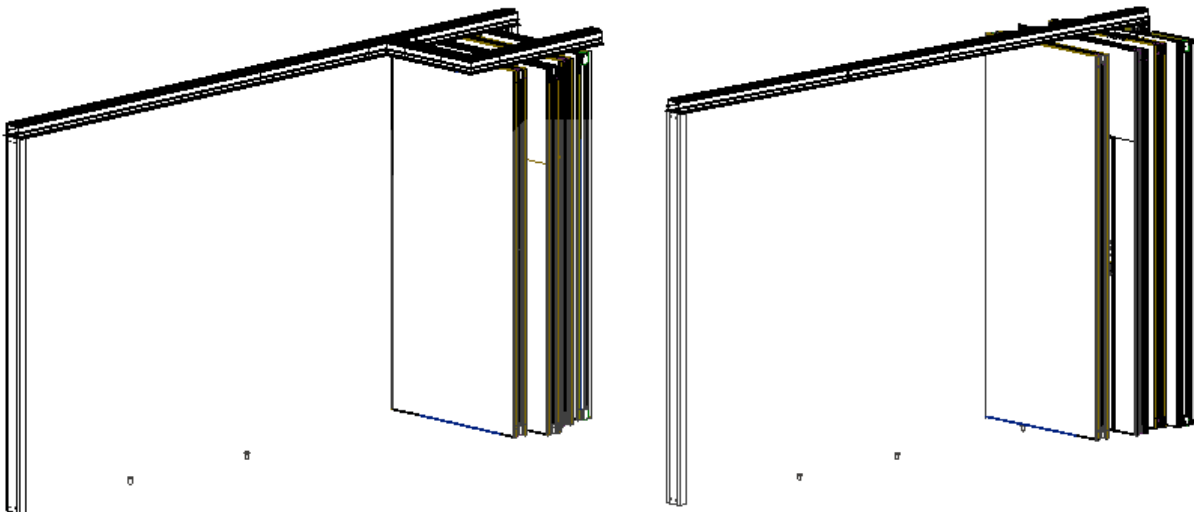


Fig.25. Illustration of point 7 of the ready assembled wall
from the left: for a wall with a 2-point suspension from the right: for a 1-point suspension wall



The wall is folded - the room has regained its space