



ATHALIUM

Elevating Spaces with Italian Precision

BED SYSTEM

ABAIN
MADE IN SPAIN

HORIZONTAL WALLBED

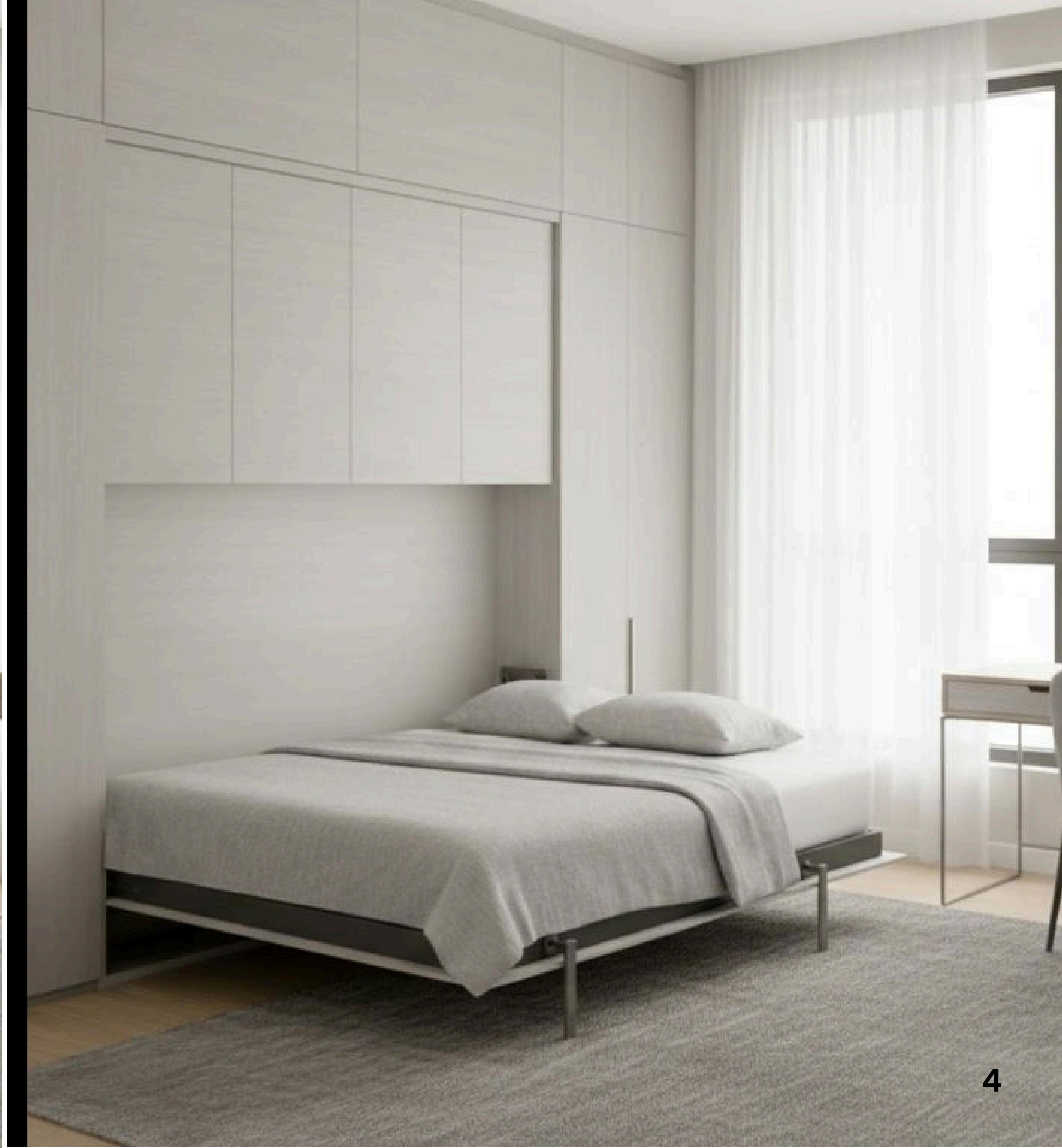
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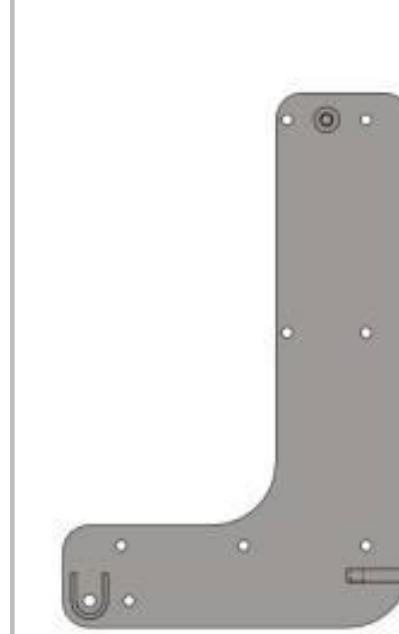
INTRODUCTION

The Abain Horizontal Wallbed System is a functional space-saving solution designed for efficient and safe use. This catalogue outlines the system operation, key components, accurate dimensions, and step-by-step installation guidelines to ensure proper performance and durability.

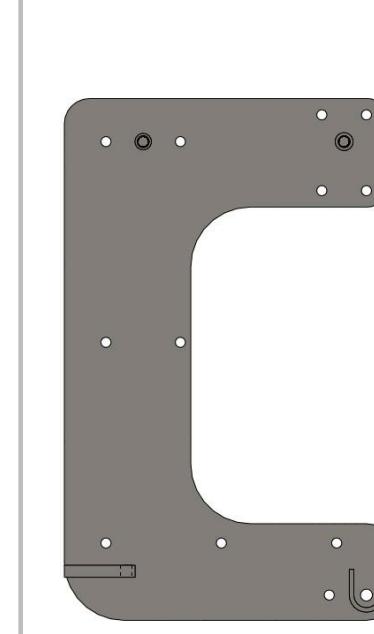


MATERIALS & TOOLS

Main Components



• Left Plate



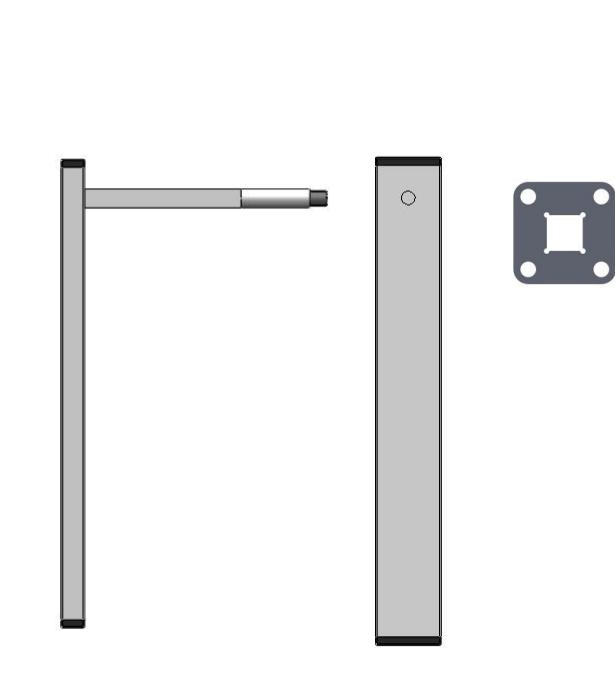
• Right Plate



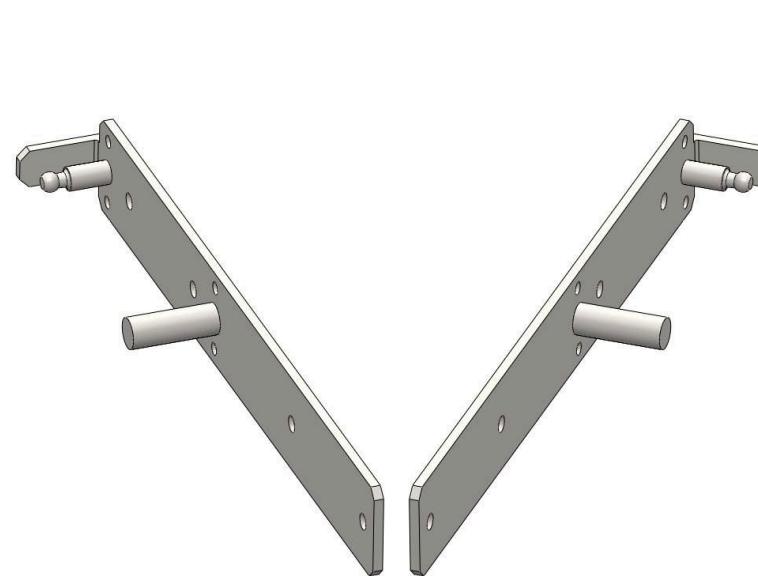
• Hook



• Gaz Lifts



• Legs Support

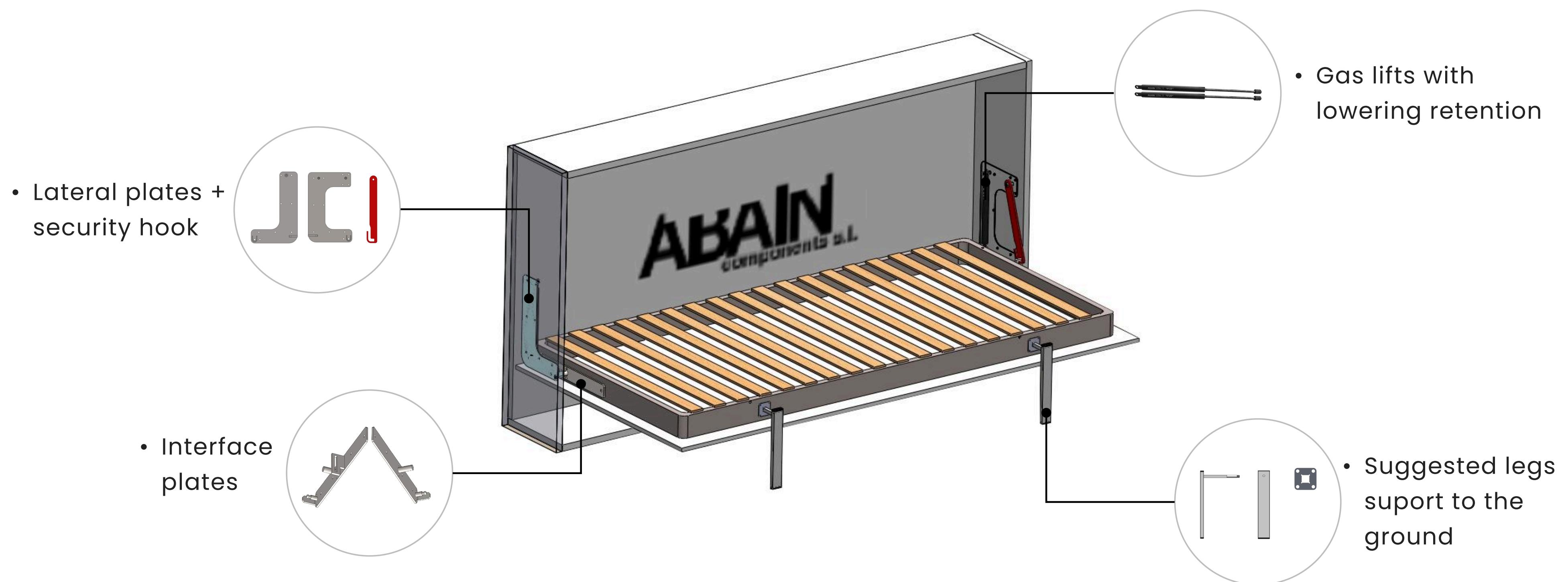


• Interface Plate

SYSTEM STRUCTURE

Components

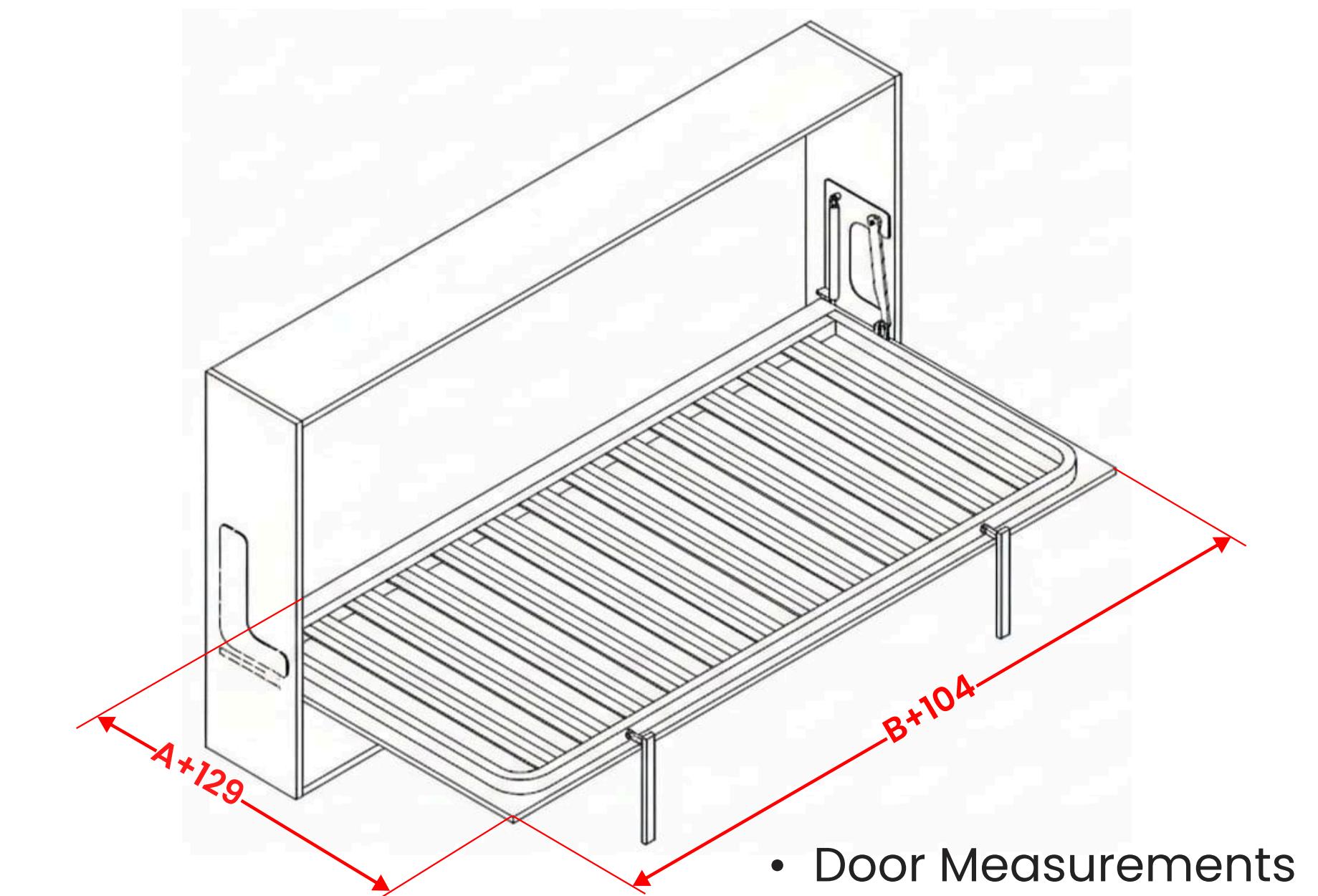
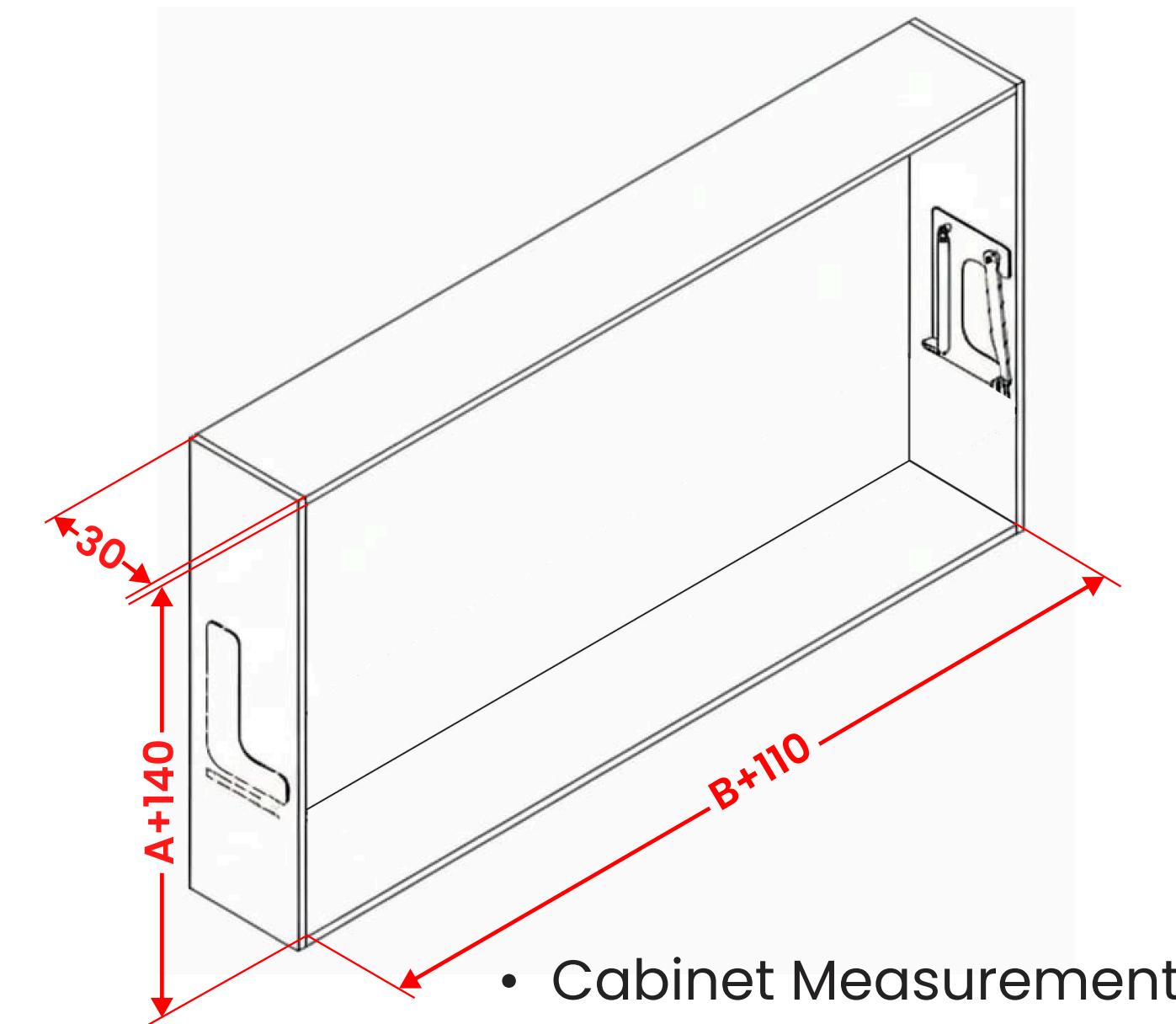
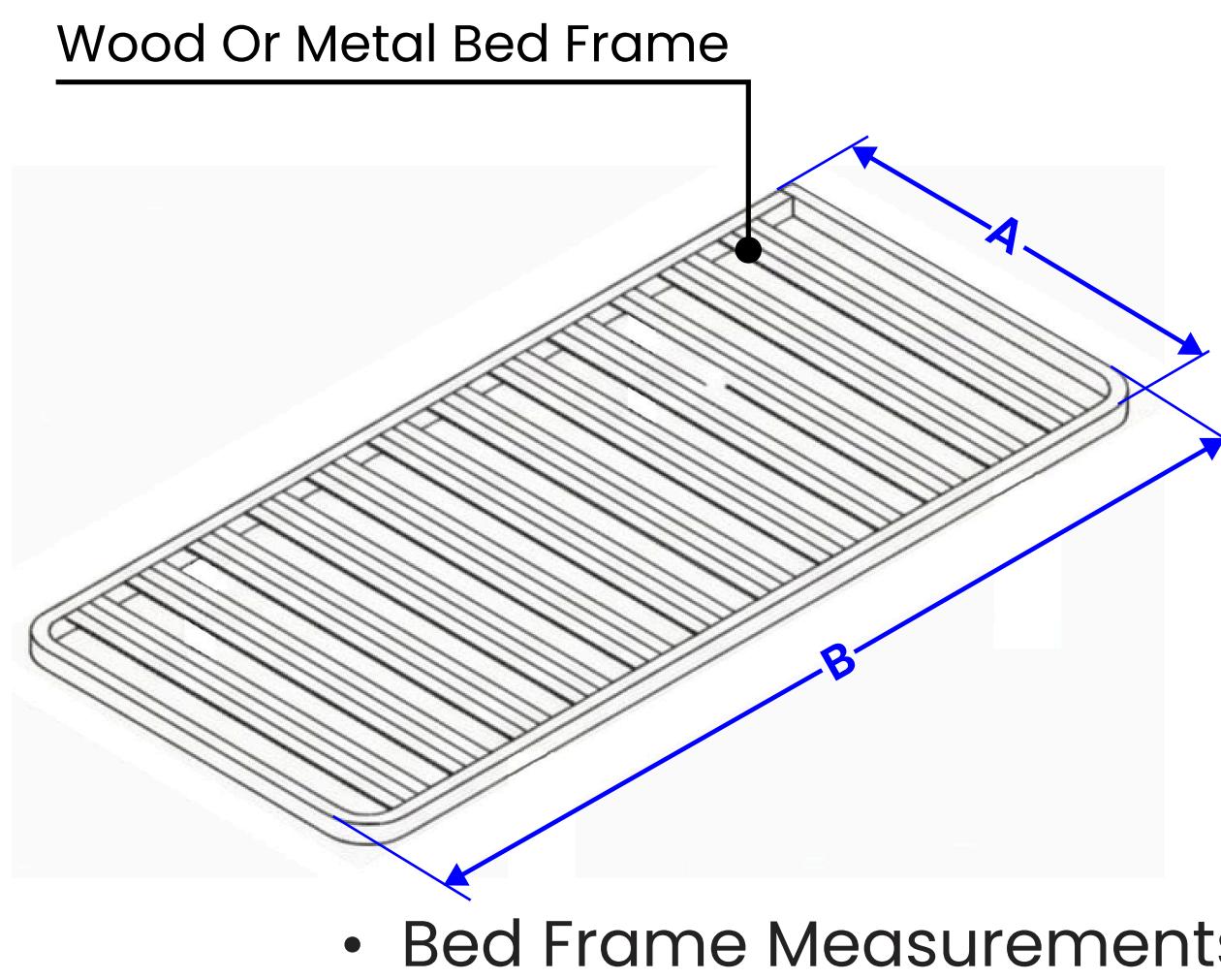
The illustration presents the complete **horizontal wall bed system**. The annotated drawing identifies all **key components** and provides a clear understanding of the system structure and operation.



SYSTEM STRUCTURE

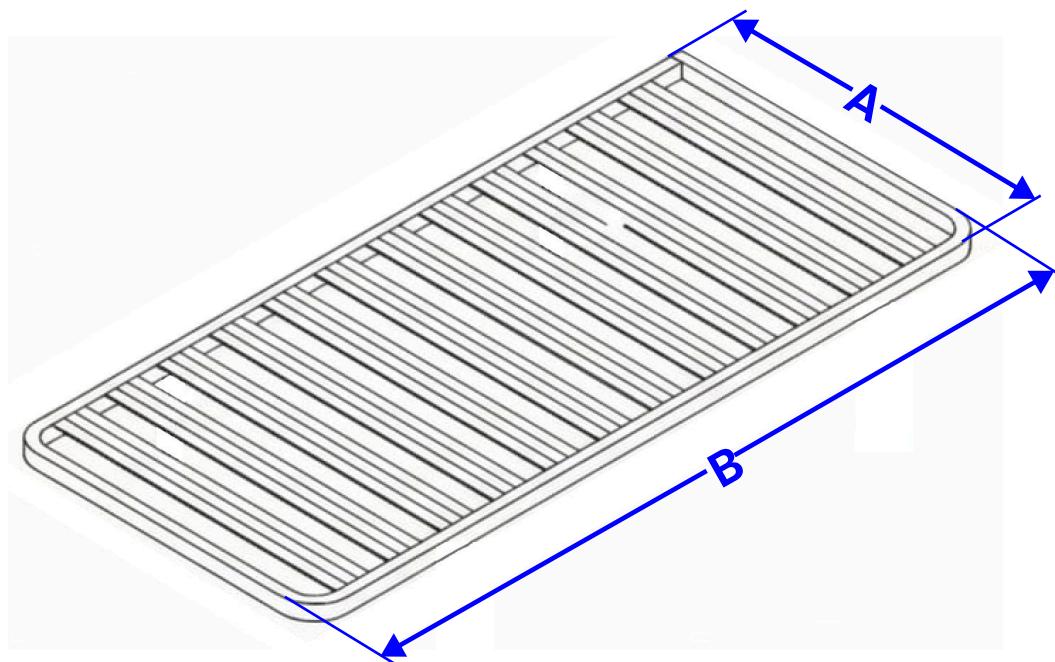
Measurements

Inner measurements resulting from the final cabinet, regardless of thickness of the boards.



SYSTEM STRUCTURE

Gaz Lift Strength



A	B	Gaz lift strength
800	1800	200 N
800	1900	200 N
800	2000	200 N
900	1800	200 N
900	1900	200 N
900	2000	200 N
1000	1800	300 N
1000	1900	300 N
1000	2000	300 N

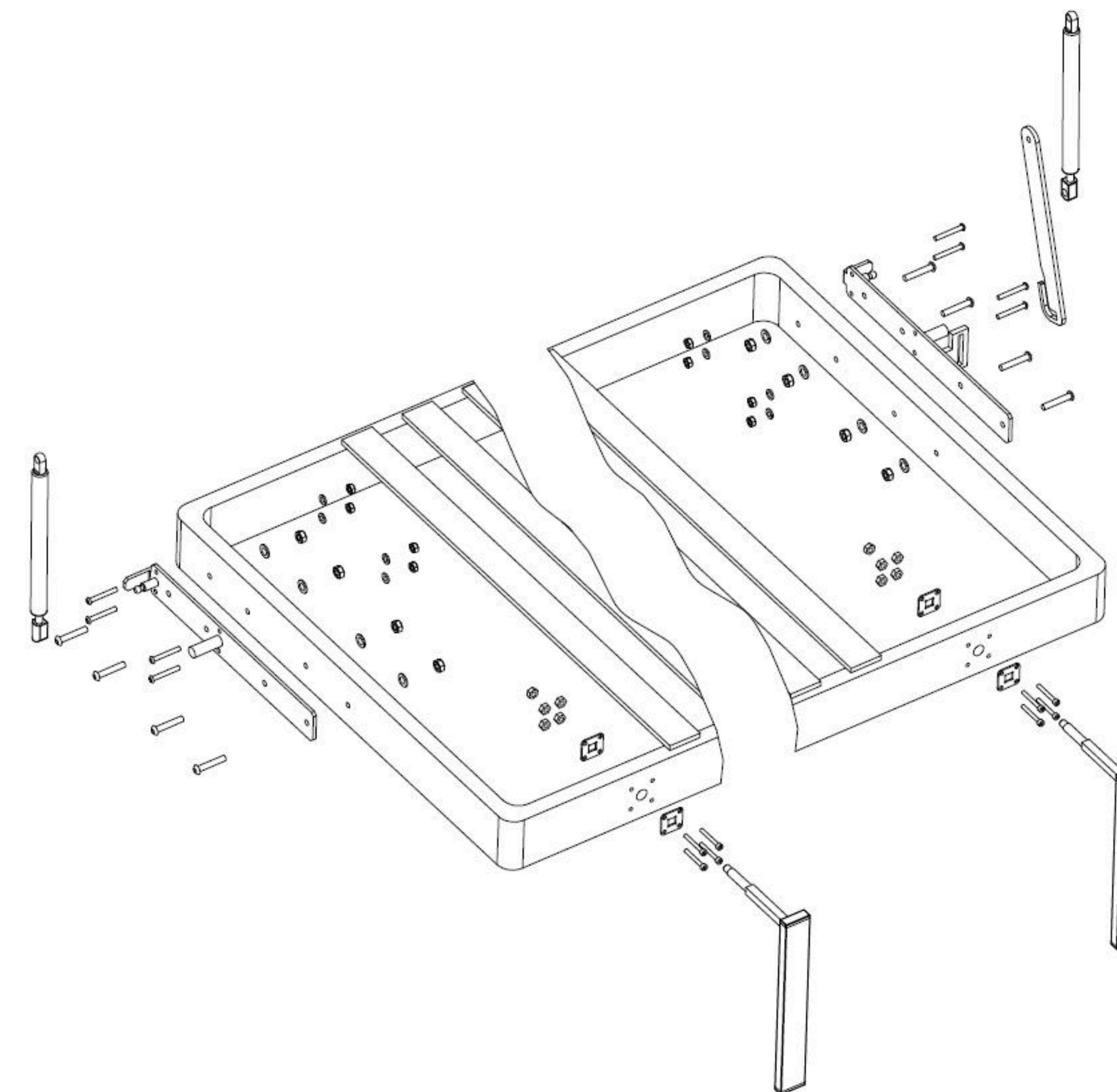
A	B	Gaz lift strength
1050	1800	300 N
1050	1900	300 N
1050	2000	300 N
1200	1800	500 N
1200	1900	500 N
1200	2000	500 N
1350	1800	700 N
1350	1900	700 N
1350	2000	700 N

A	B	Gaz lift strength
1400	1800	700 N
1400	1900	700 N
1400	2000	700 N
1500	1800	800 N
1500	1900	800 N
1500	2000	800 N
1600	1800	900 N
1600	1900	900 N
1600	2000	900 N

SYSTEM STRUCTURE

Assembly overview

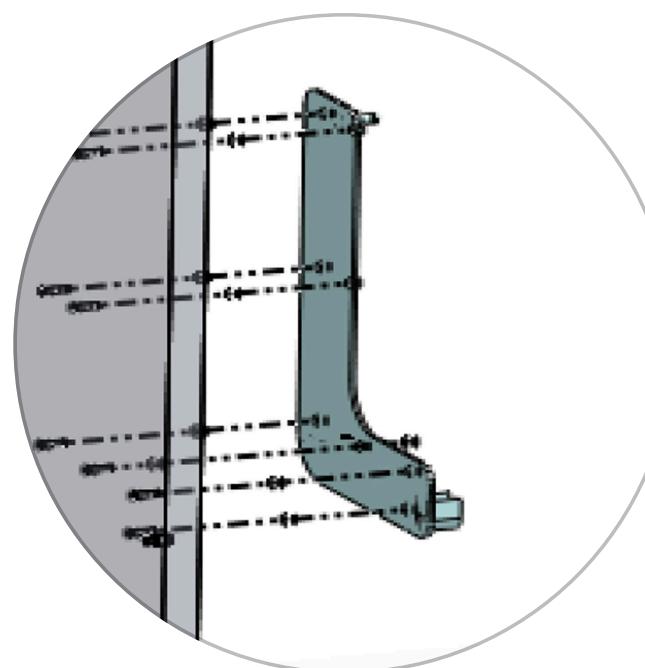
- The **exploded 3D illustration** shows the **general assembly** of the wall bed system.
- It presents the **main components separated** to clarify their position and connection.
- Detailed explanations of each component are provided in the following pages.



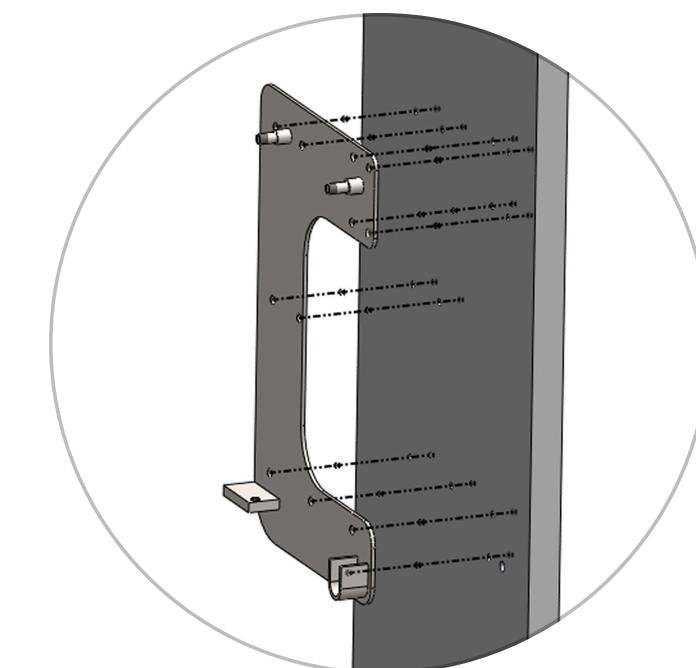
SYSTEM INSTALLATION

Lateral Plates

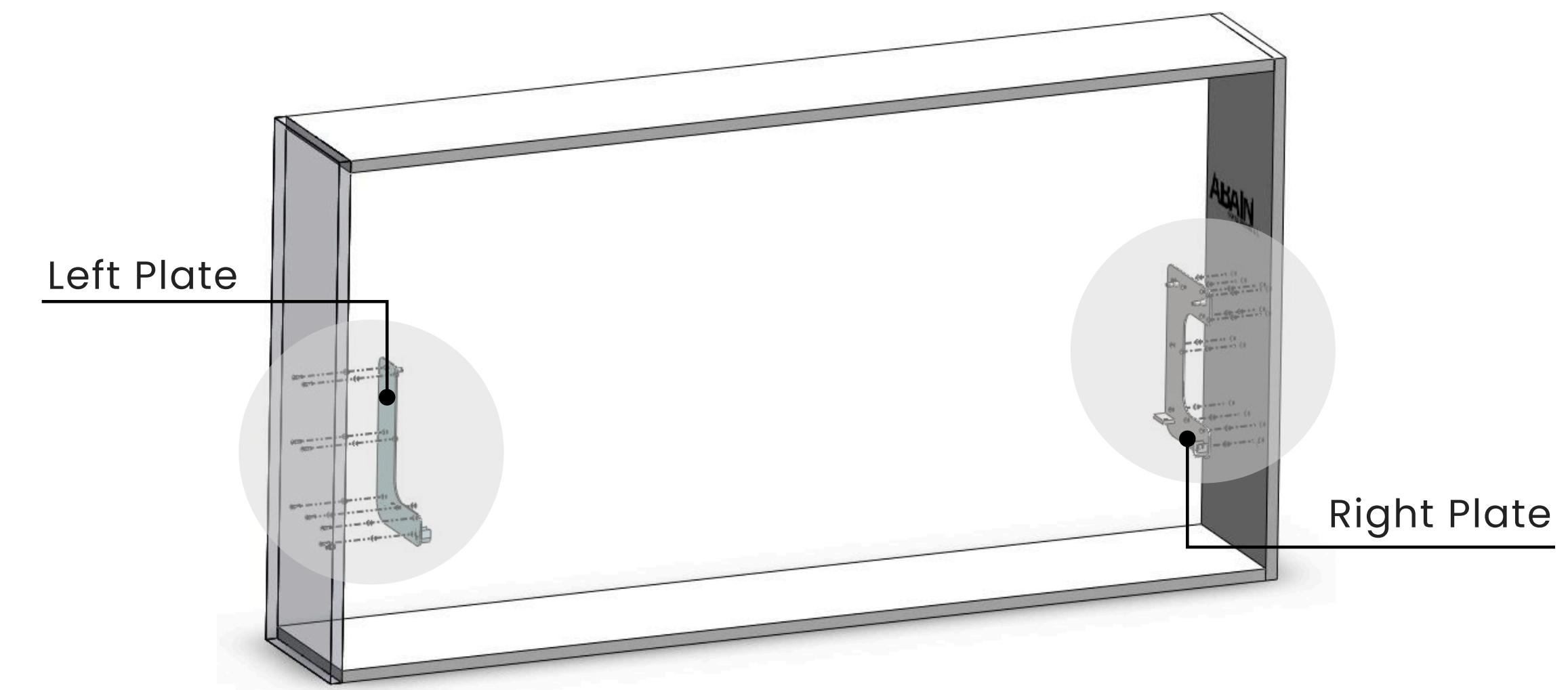
1. With the non-assembled cabinet, the metal plates are mounted inside of the side panels.



Left Plate



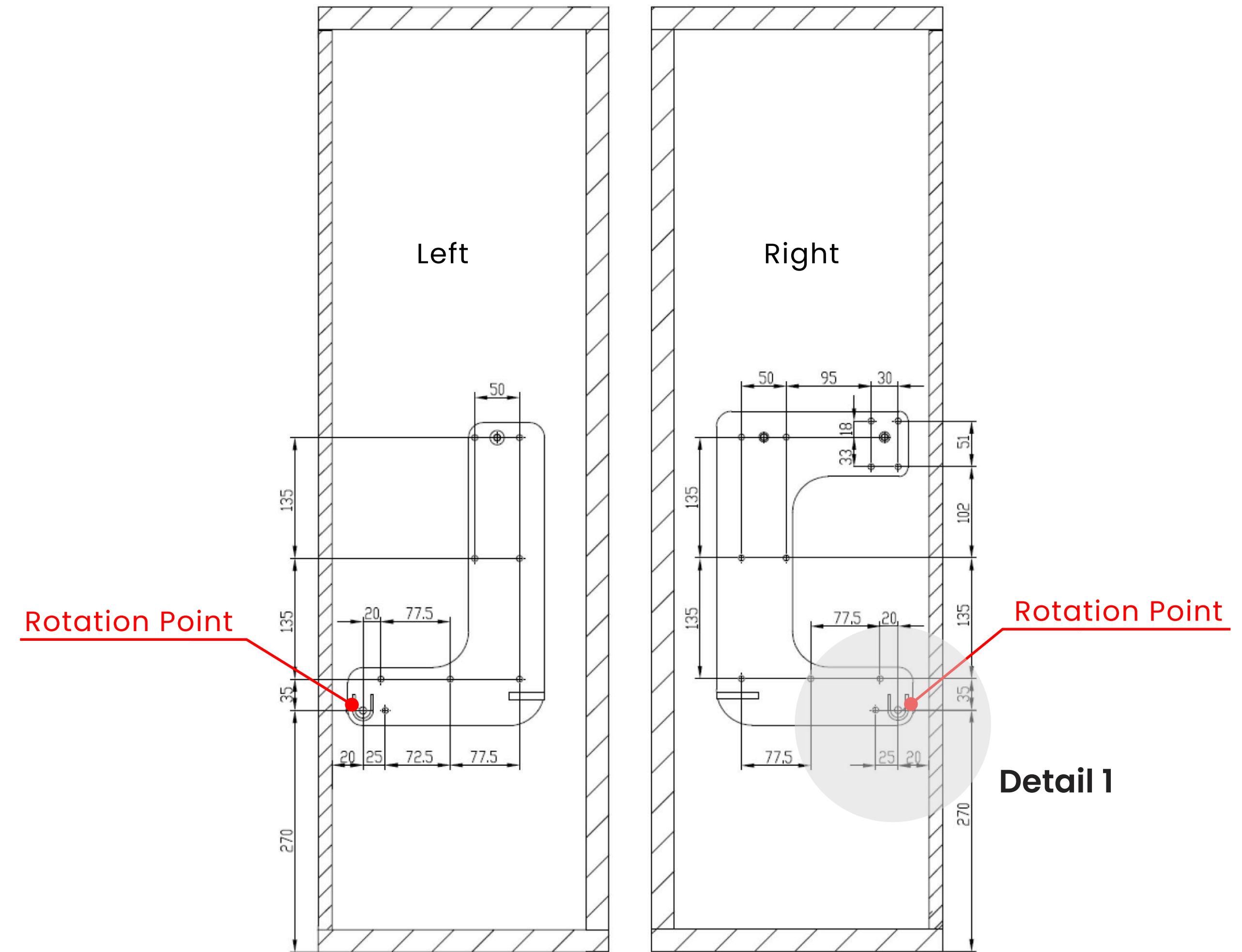
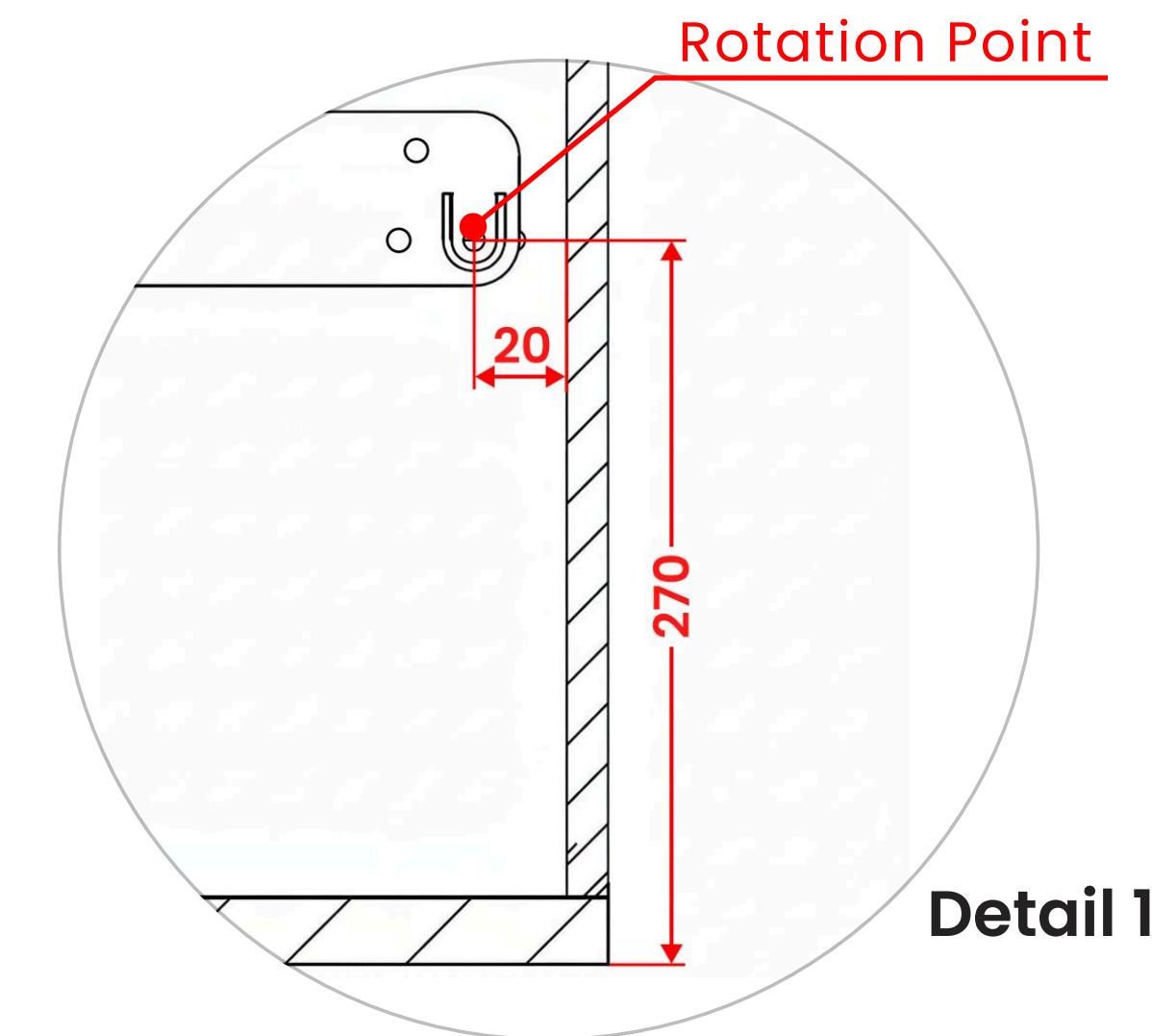
Right Plate



SYSTEM INSTALLATION

Lateral Plates

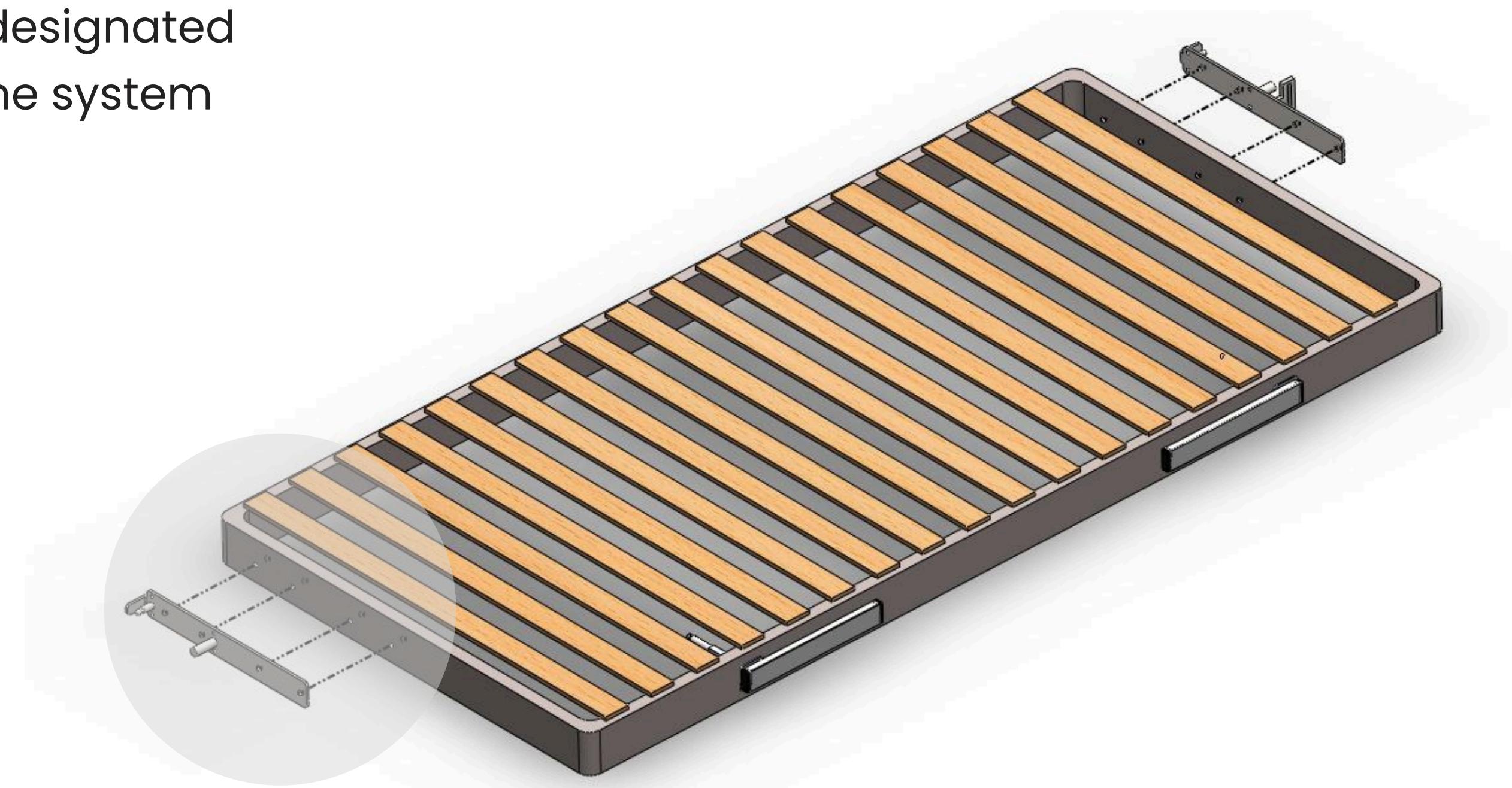
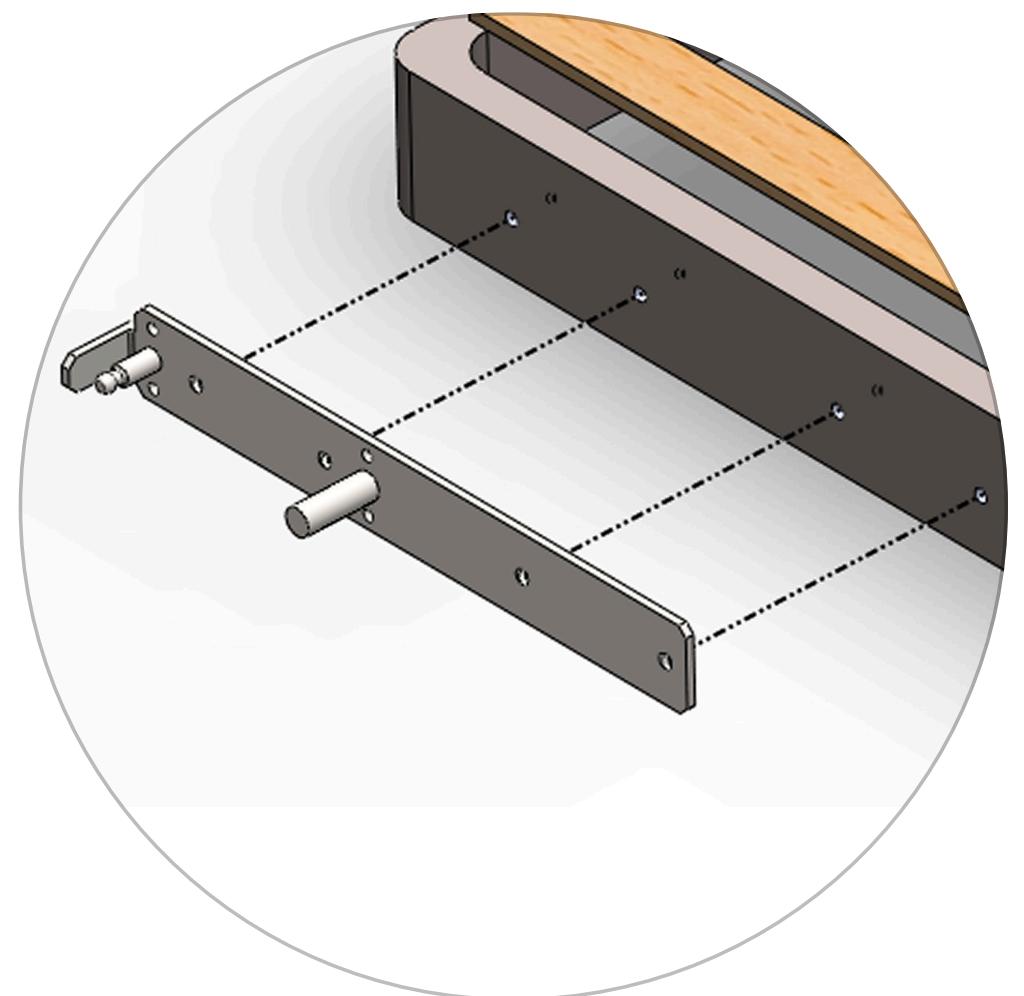
The point of origin is the pivot point, **270mm from the floor and 20mm from the inside of the door**.



SYSTEM INSTALLATION

Interface Plate

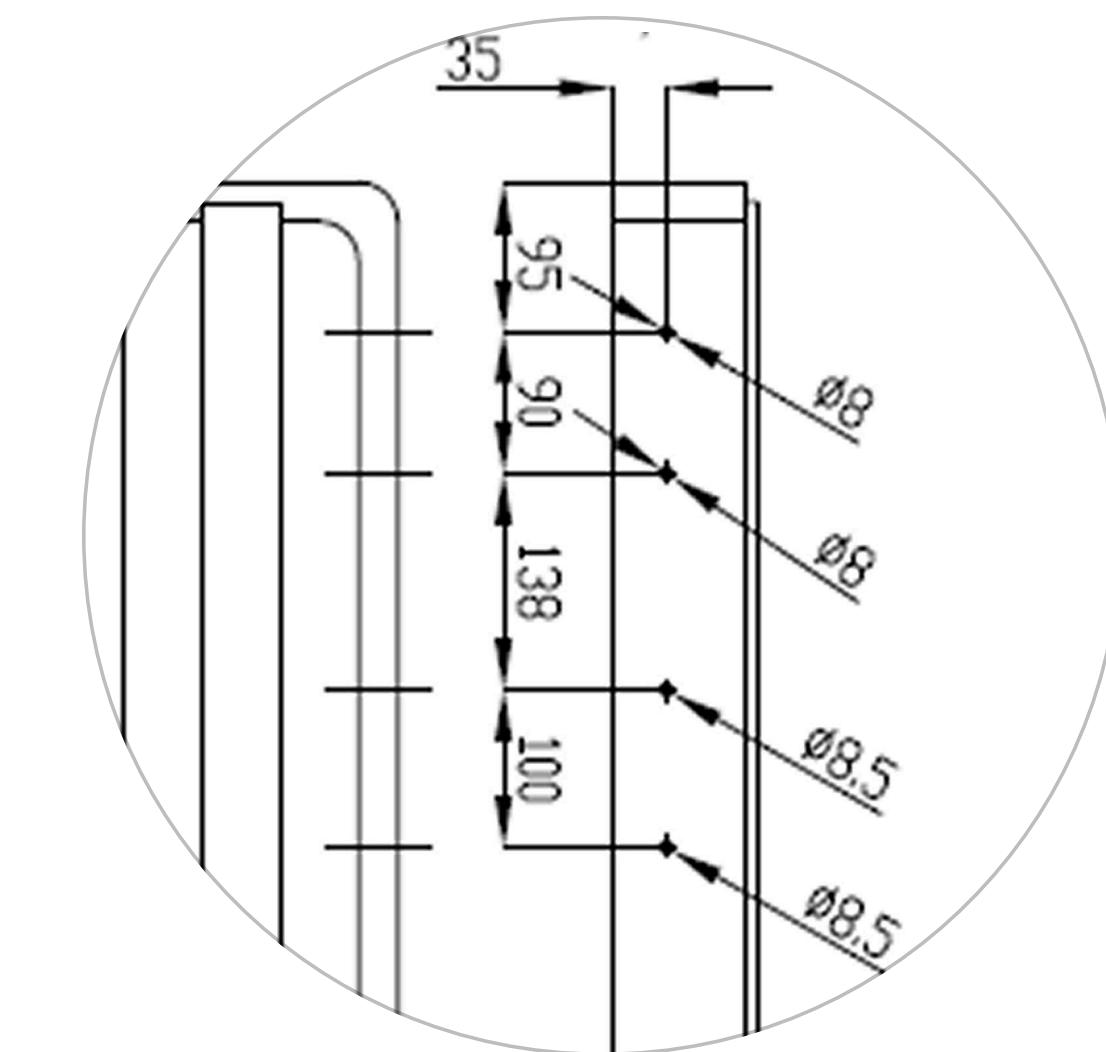
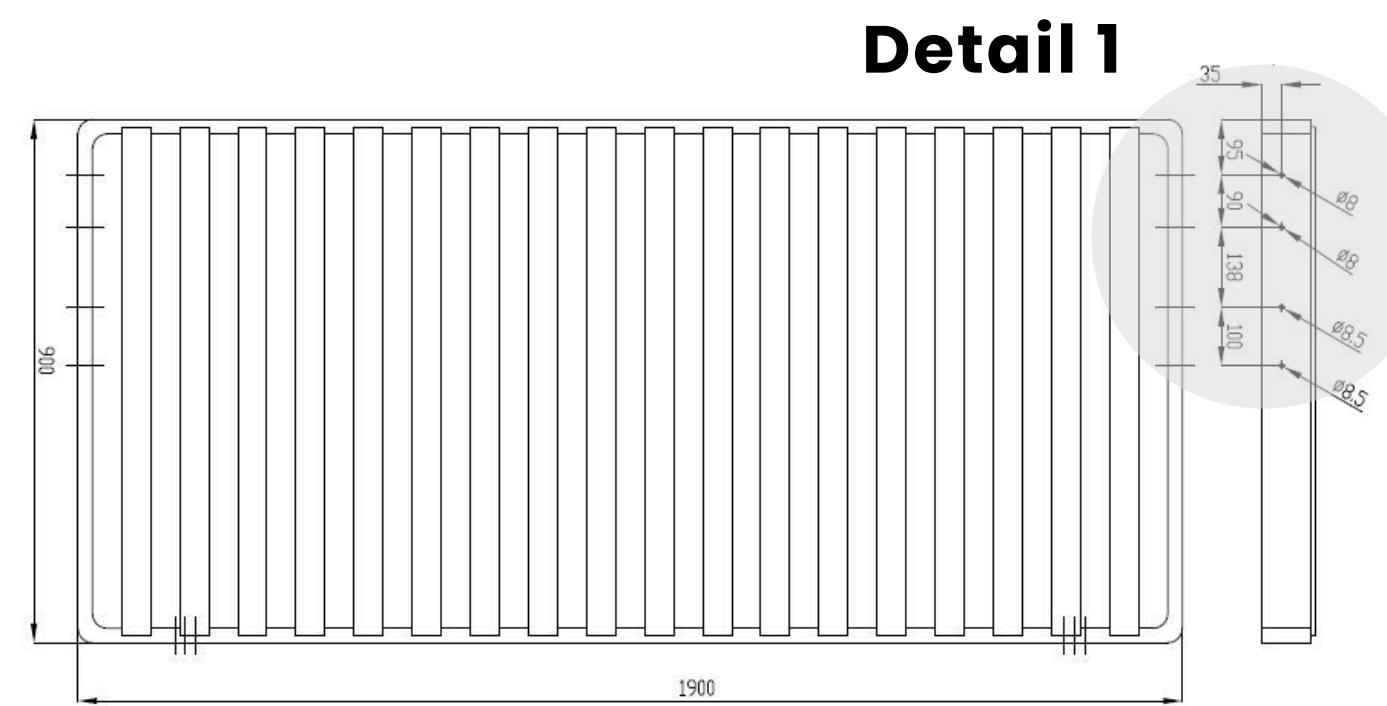
2. Mount the **interface plate** onto the bed frame at the designated position, ensuring **correct alignment** as specified in the system layout.



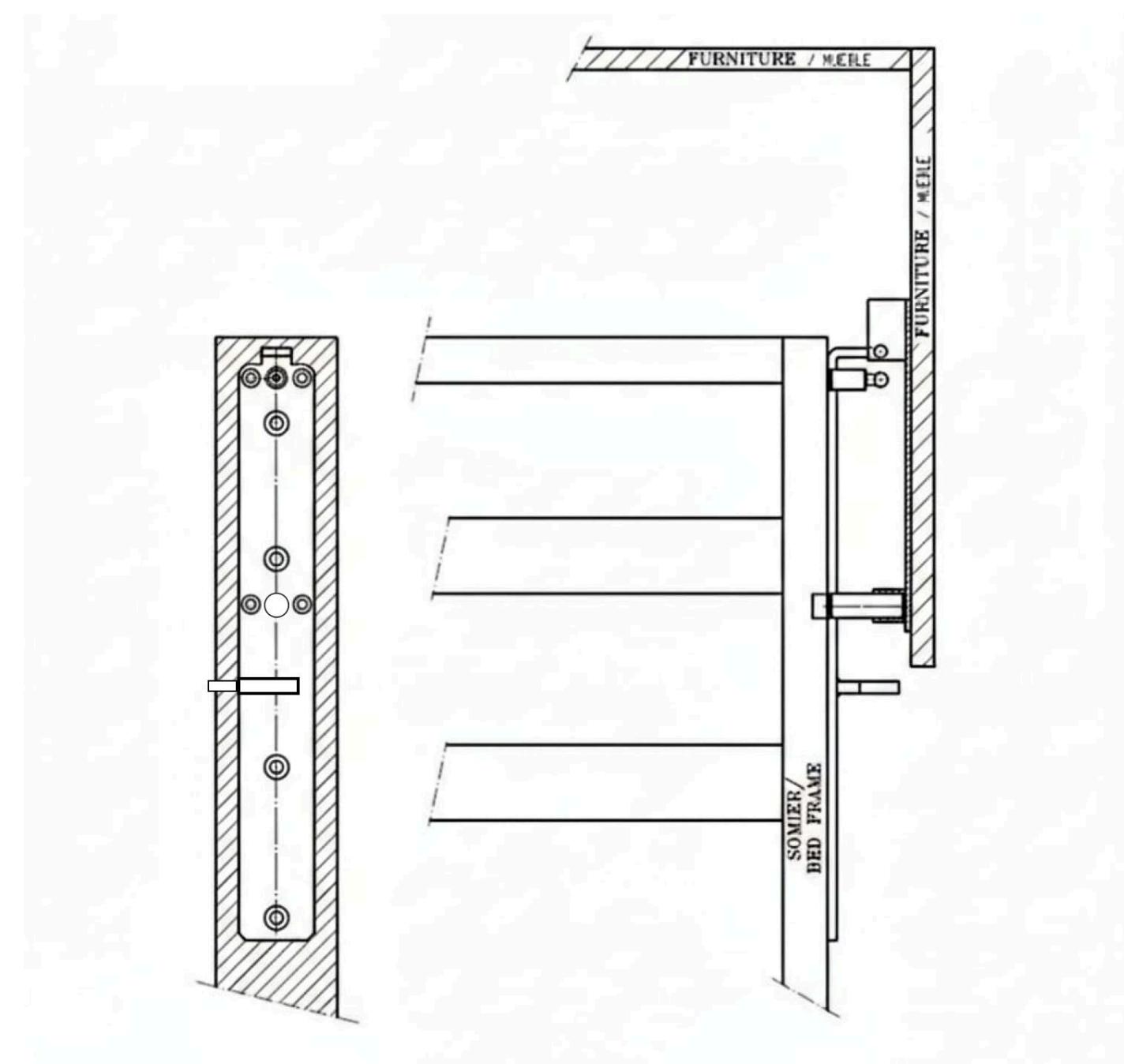
SYSTEM INSTALLATION

Interface Plate

Drilling measurements for interface plate mounting.



Detail 1



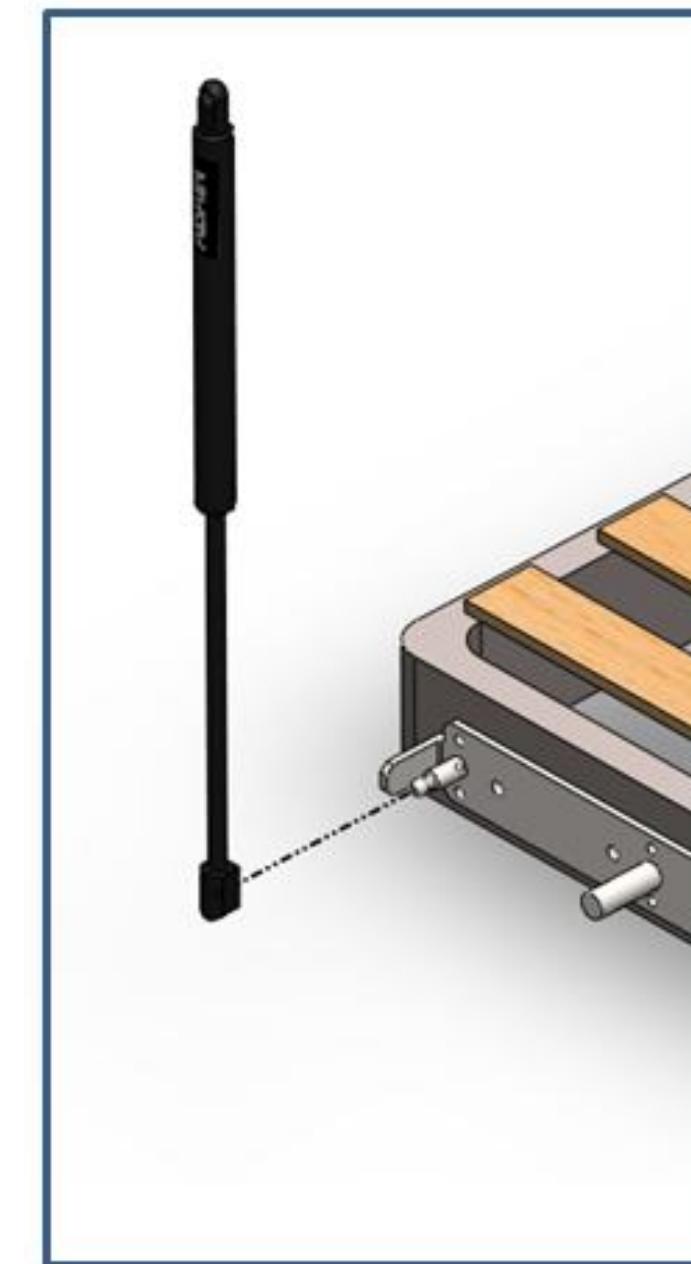
Side View

Plan View

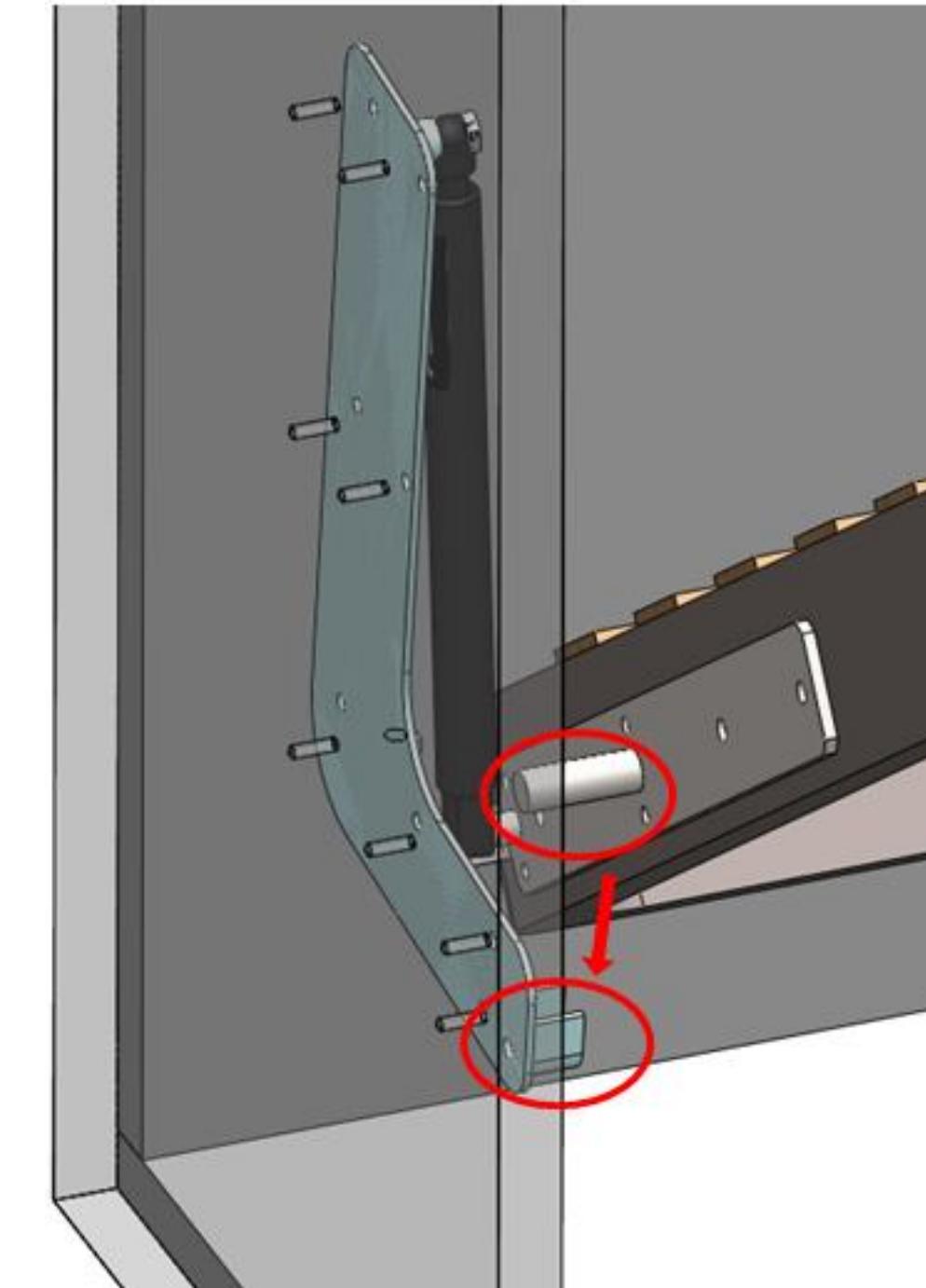
SYSTEM INSTALLATION

Gaz Lifts

3. Assemble the gas lifts to the bed frame by inserting the black plastic ball fittings into the ball studs located on both sides of the frame.



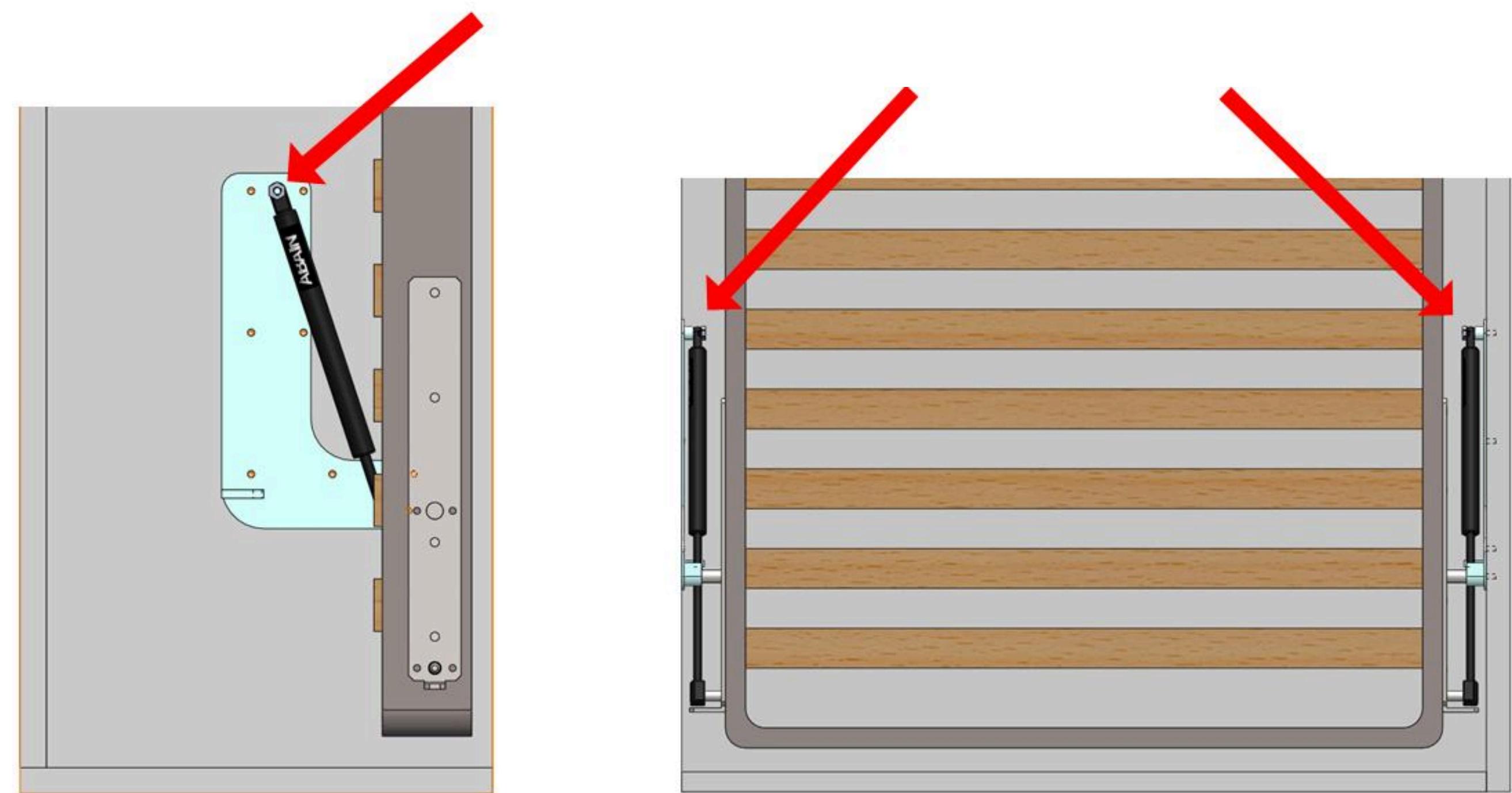
4. Install the bed base into the cabinet by resting the bed bolts on the U-shaped plate supports.



SYSTEM INSTALLATION

Gaz Lifts

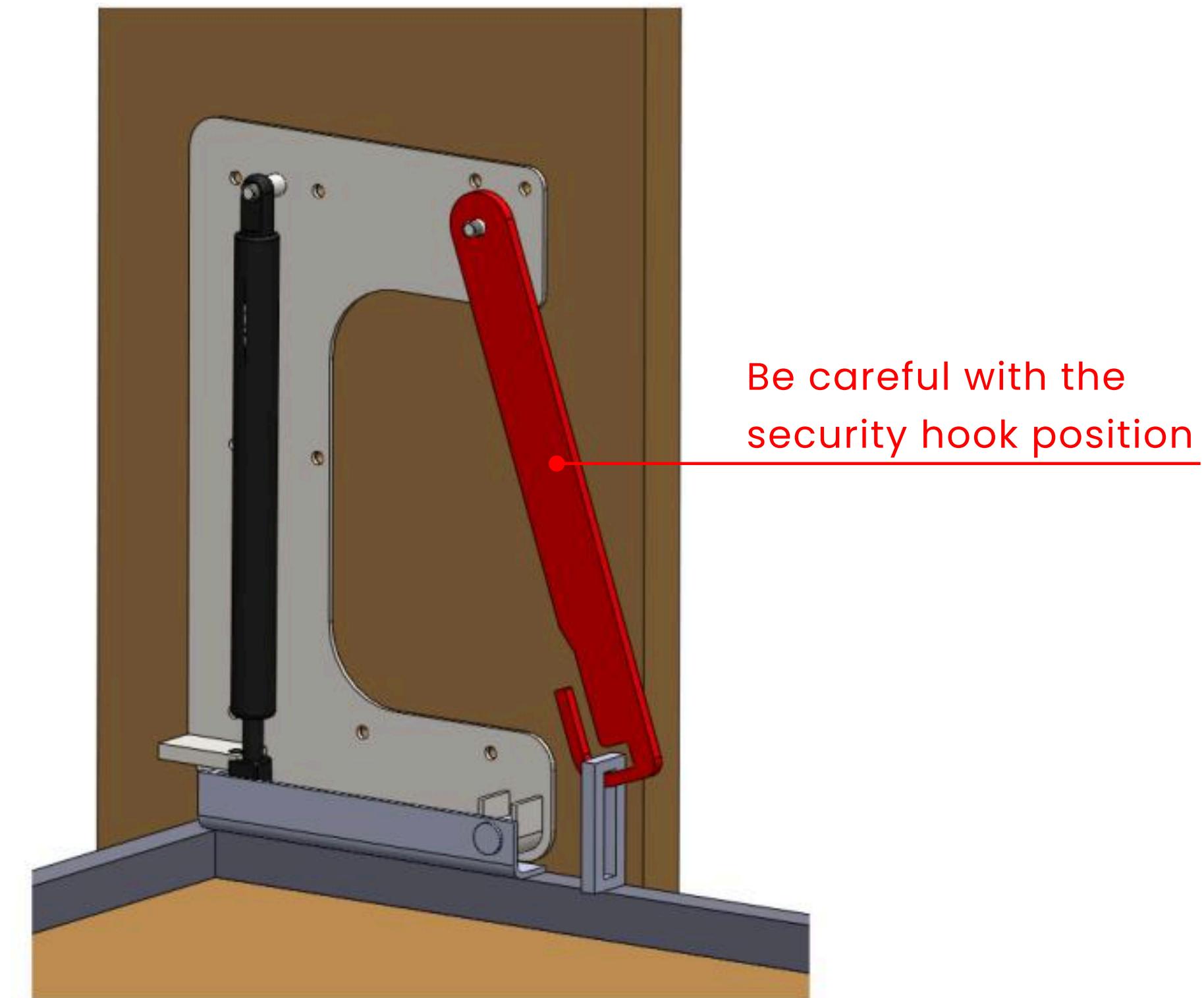
5. Without installing the door, **close the bed frame beyond the cabinet front** and **secure the gas lift eyelet** to the plate's threaded bolt.



SYSTEM INSTALLATION

Hook Installation

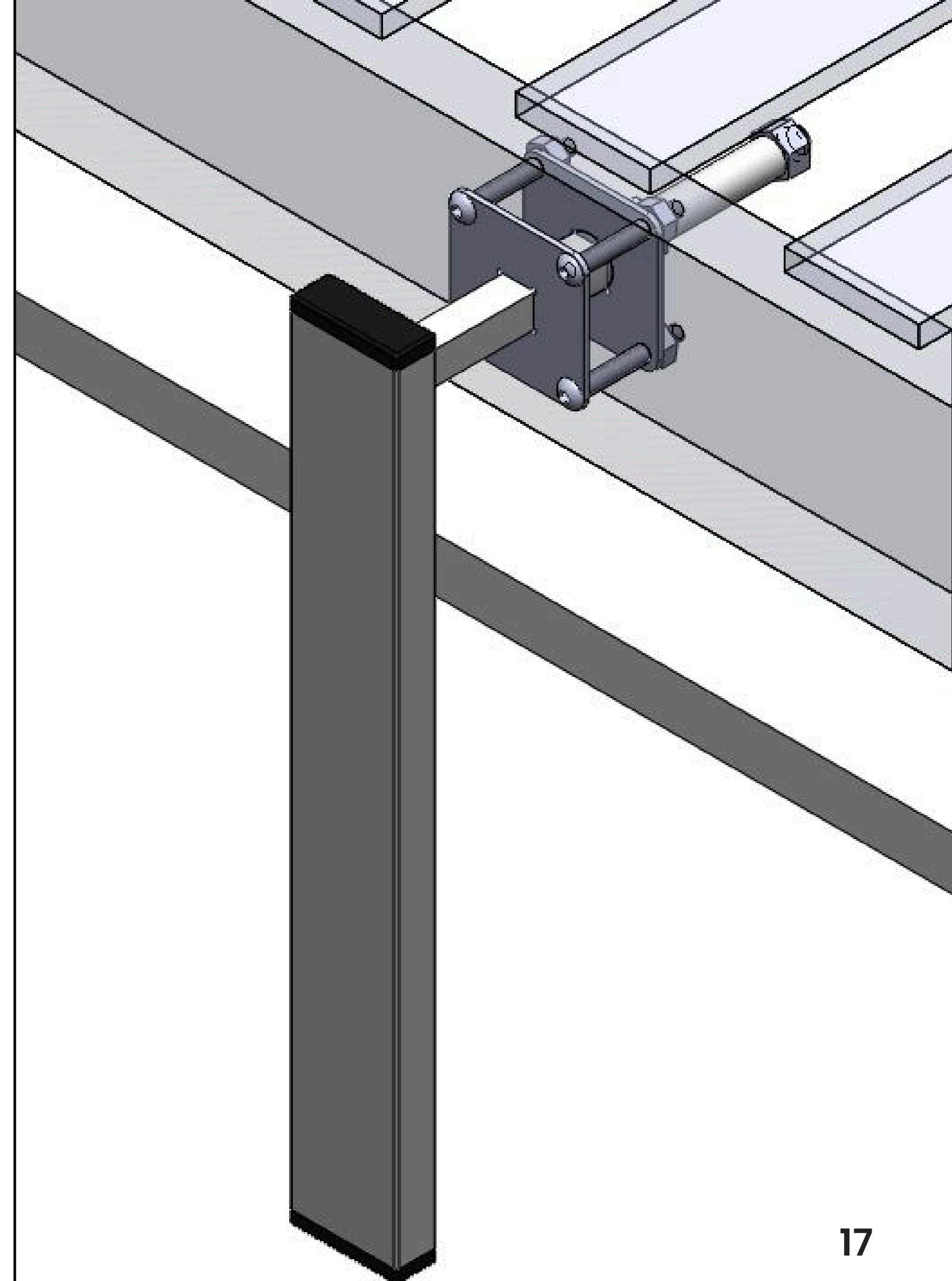
6. Install the **hook into the right-hand bed frame** link, with the **open side facing the inside of the cabinet**, then **secure the opposite end** to the plate's threaded bolt with the nut.



SYSTEM INSTALLATION

Legs Support

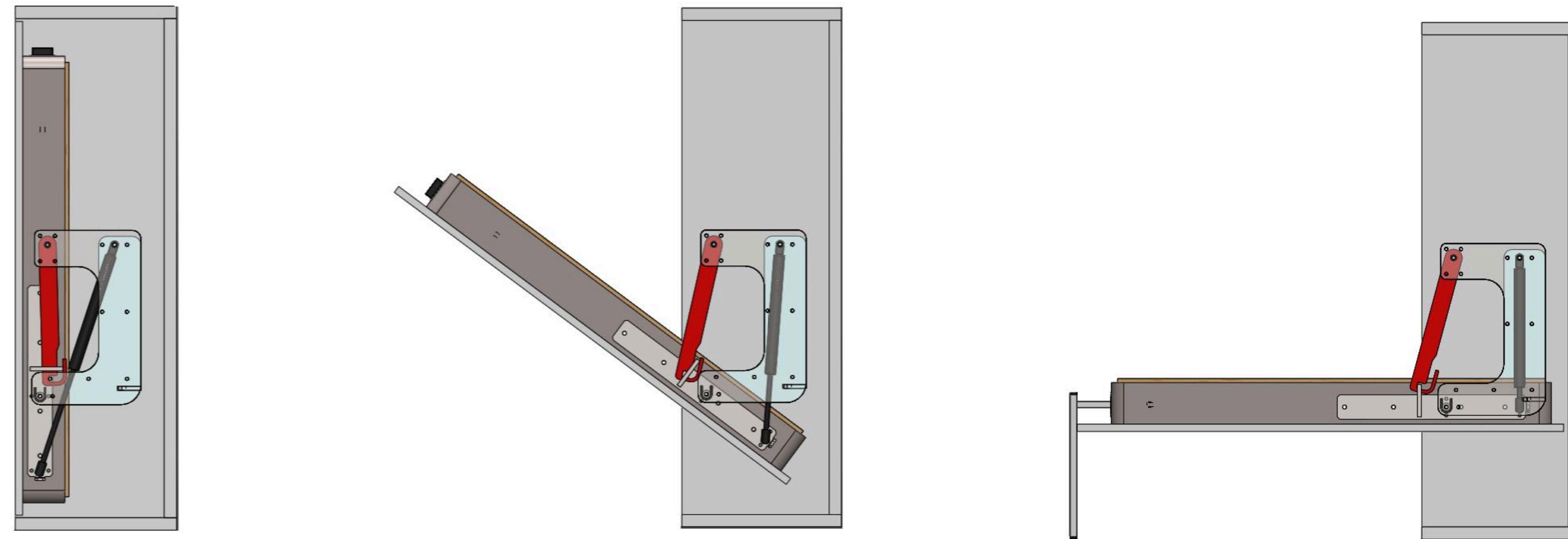
7. The **leg support** is fixed to the bed frame and **rests on the floor** to support the bed when opened.



OPERATING SEQUENCE

Smooth Lowering With Support

Bed lowering sequence with automatic leg support engagement in the open position.





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| Bed Systems

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