



NATHALIUM

Elevating Spaces with Italian Precision

BED SYSTEM

ABAIN
MADE IN SPAIN

VERTICAL WALLBED

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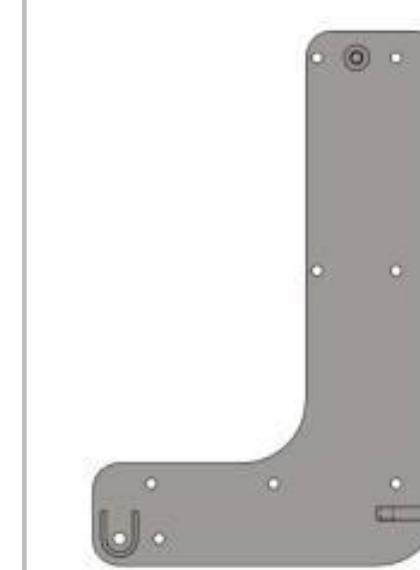
INTRODUCTION

The Abain Vertical 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.

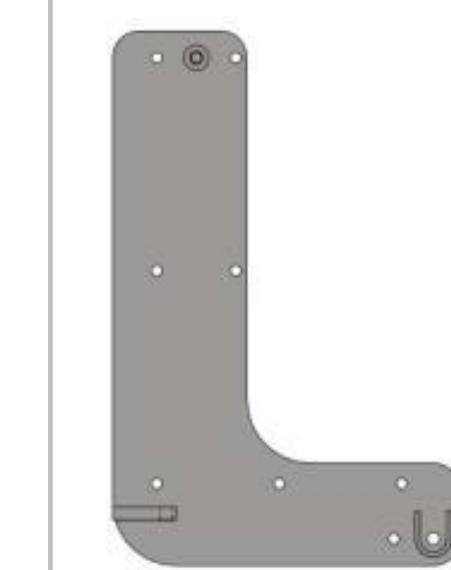


MATERIALS & TOOLS

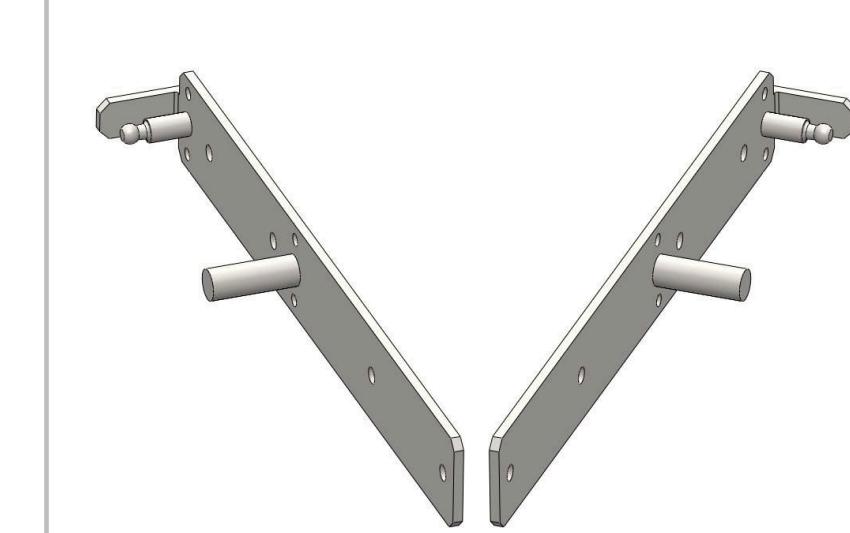
Main Components



Left Plate



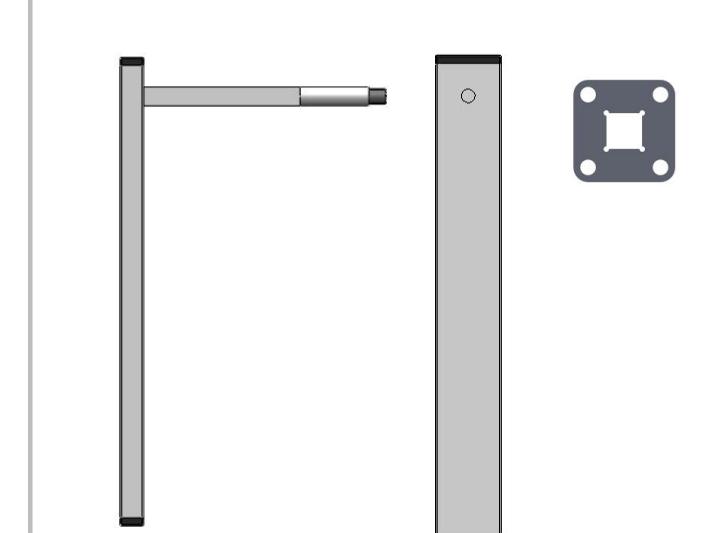
Right Plate



Interface Plate



Gaz Lifts

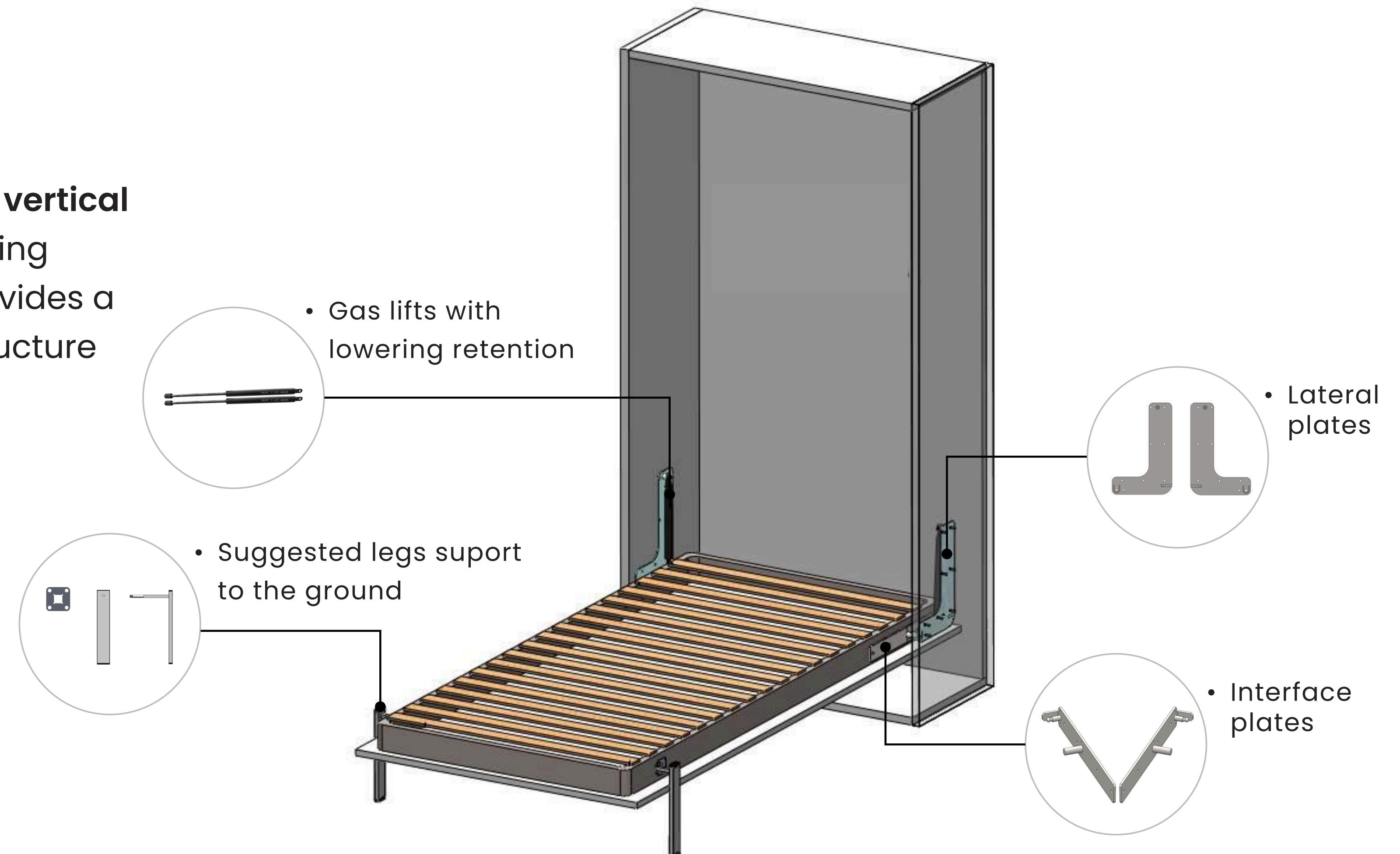


Legs Support

SYSTEM STRUCTURE

Components

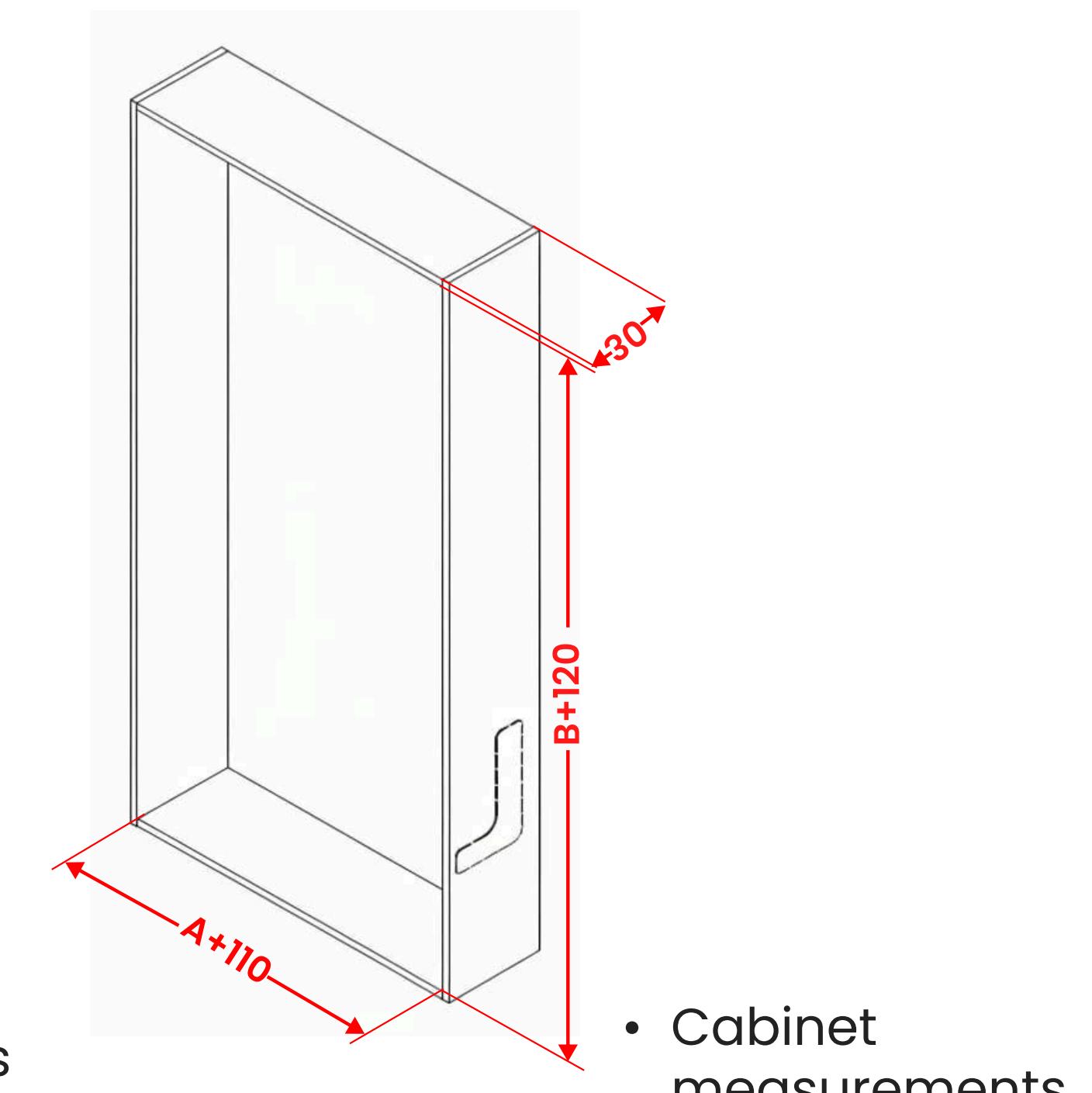
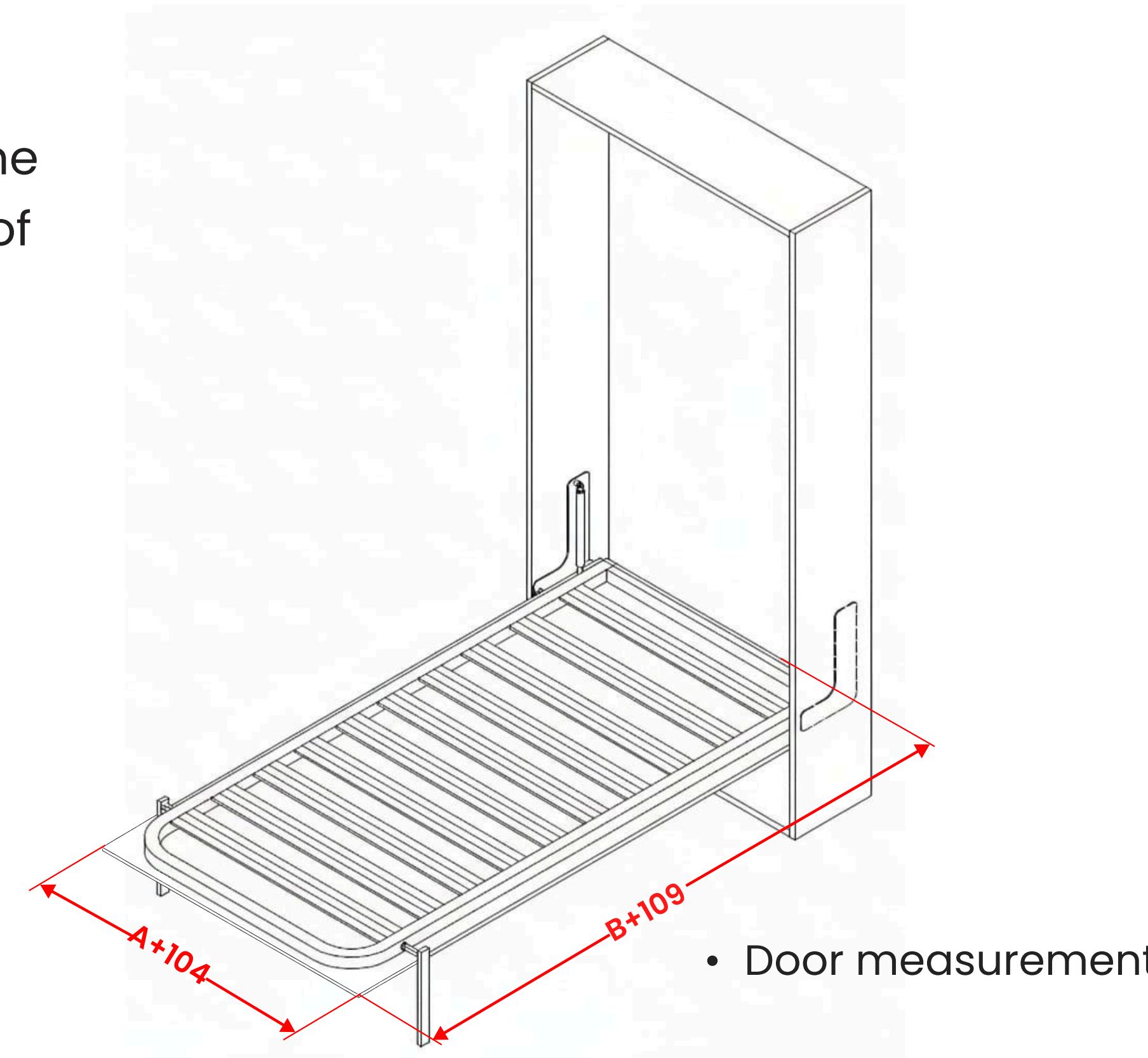
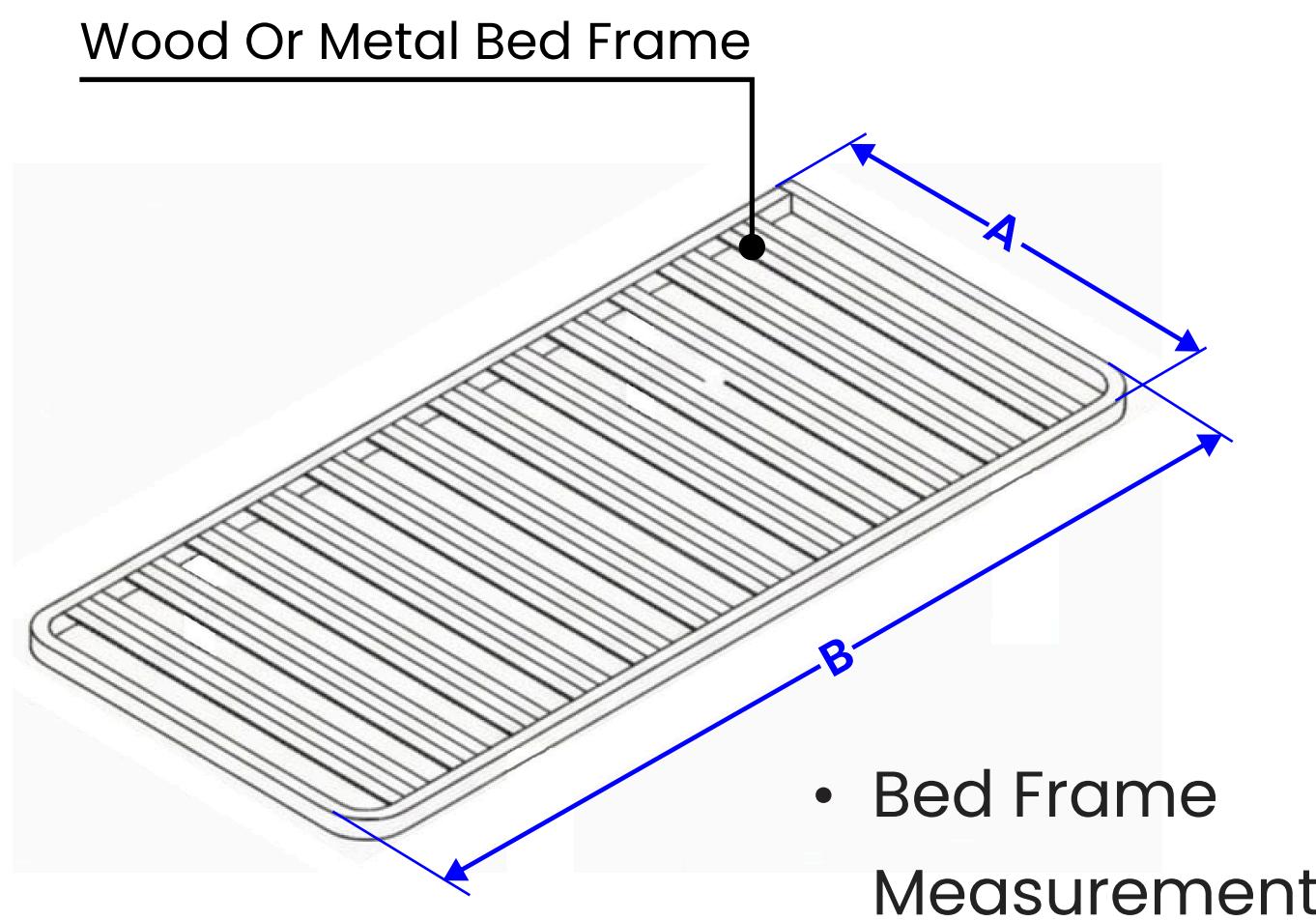
The illustration presents the complete **vertical wall bed system**. The annotated drawing identifies all **key components** and provides a clear understanding of the system structure and operation.



SYSTEM STRUCTURE

Measurements

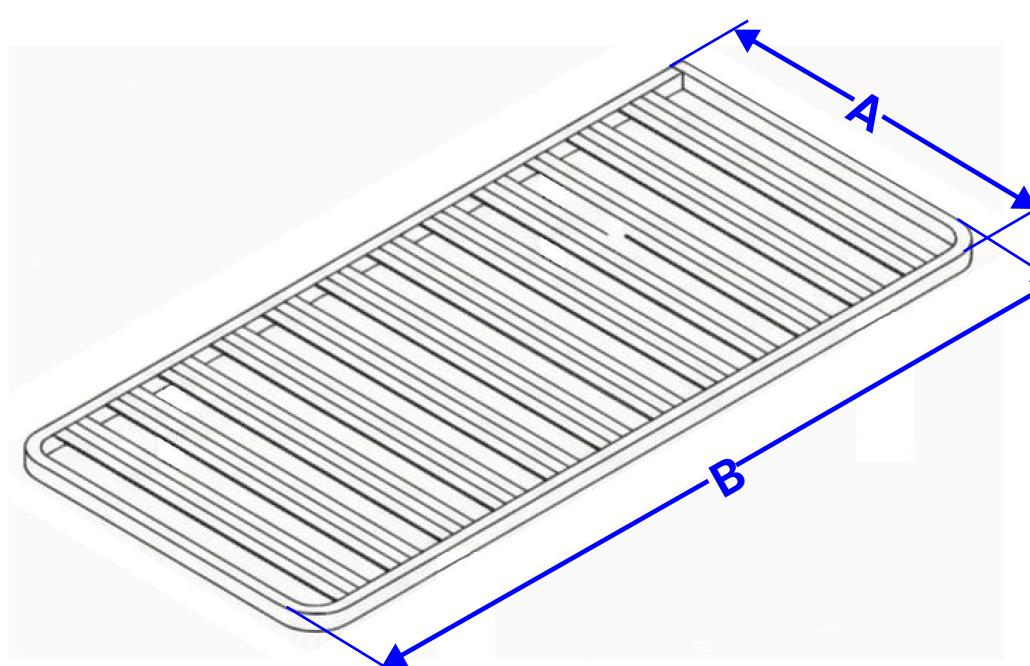
Inner measurements resulting from the final cabinet, regardless of thickness of the boards.



SYSTEM STRUCTURE

Gaz Lift Strength

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



A	B	Gaz lift strength
1000	1800	900 N
1000	1900	900 N
1000	2000	900 N
1100	1800	1300 N
1100	1900	1300 N
1100	2000	1300 N
1200	1800	1300 N
1200	1900	1300 N
1200	2000	1300 N

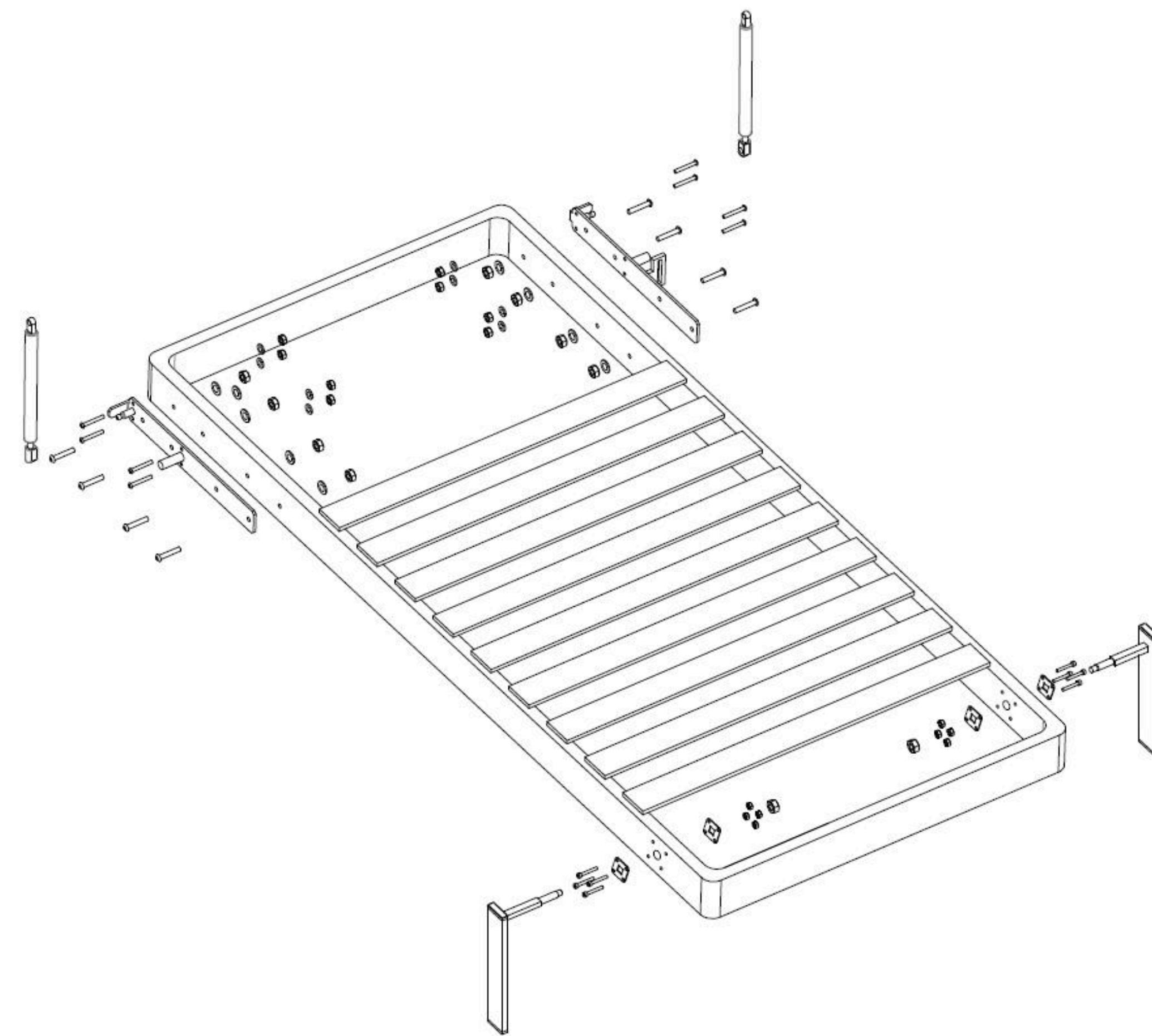
A	B	Gaz lift strength
1300	1800	1300 N
1300	1900	1500 N
1300	2000	1500 N
1400	1800	1500 N
1400	1900	1500 N
1400	2000	1500 N
1500	1800	1500 N
1500	1900	1500 N
1500	2000	1500 N

A	B	Gaz lift strength
1600	1800	1500 N
1600	1900	1500 N
1600	2000	1700 N
1800	1800	1700 N
1800	1900	1700 N
1800	2000	1900 N
2000	1800	1900 N
2000	1900	1900 N
2000	2000	1900 N

SYSTEM STRUCTURE

Assembly overview

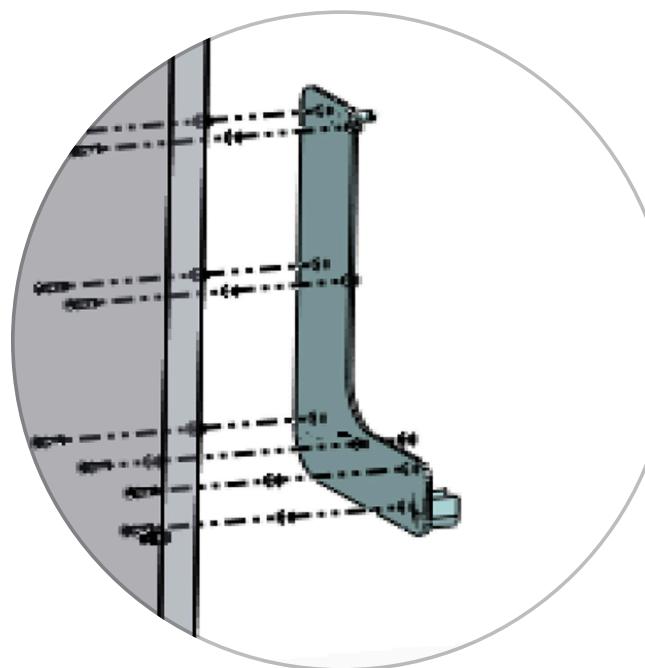
- The **exploded 3D illustration** shows the **general assembly** of the wall bed system.
- It presents the **main components separated** to clarify their position and connection.
- Detailed explanations of each component are provided in the following pages.



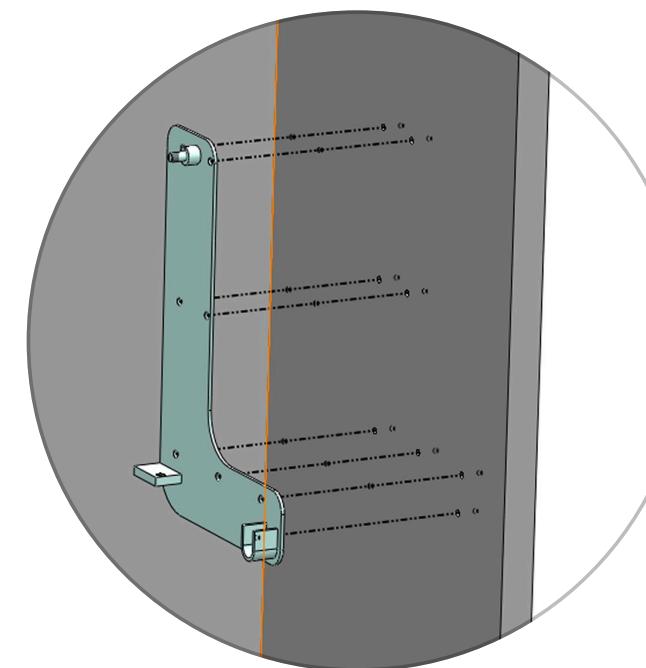
SYSTEM INSTALLATION

Lateral Plates

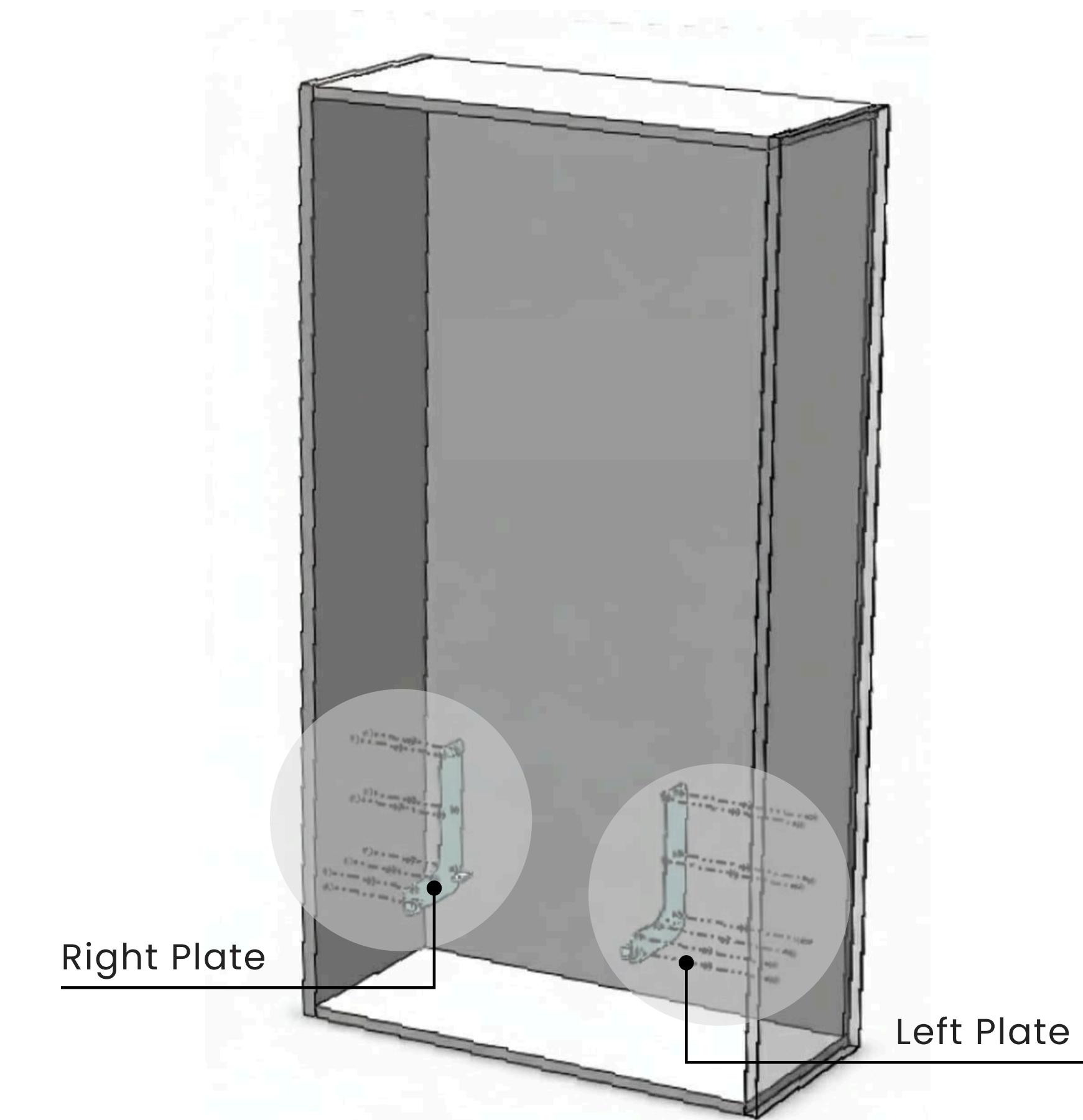
1. With the non-assembled cabinet, the metal plates are mounted inside of the side panels.



Left Plate



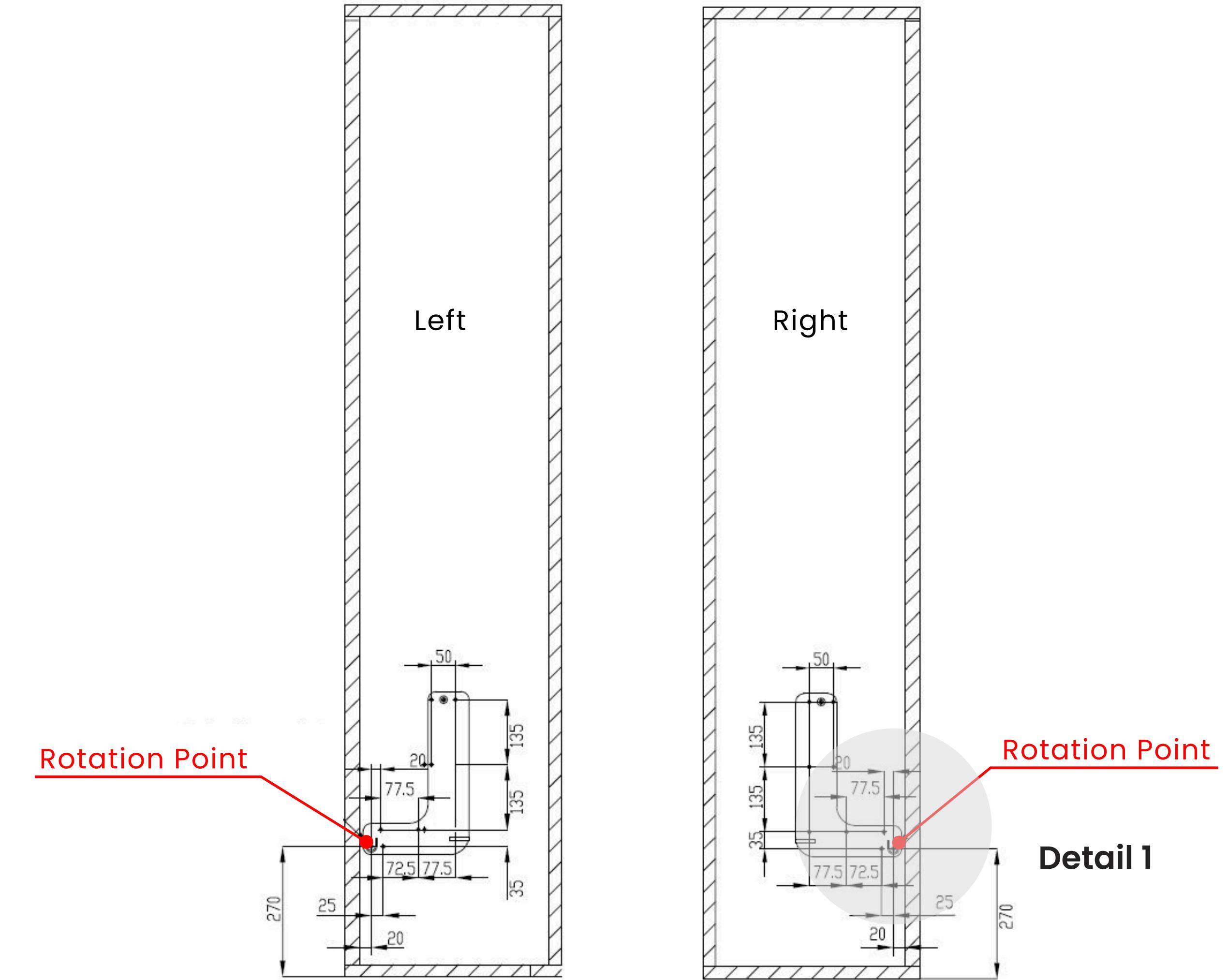
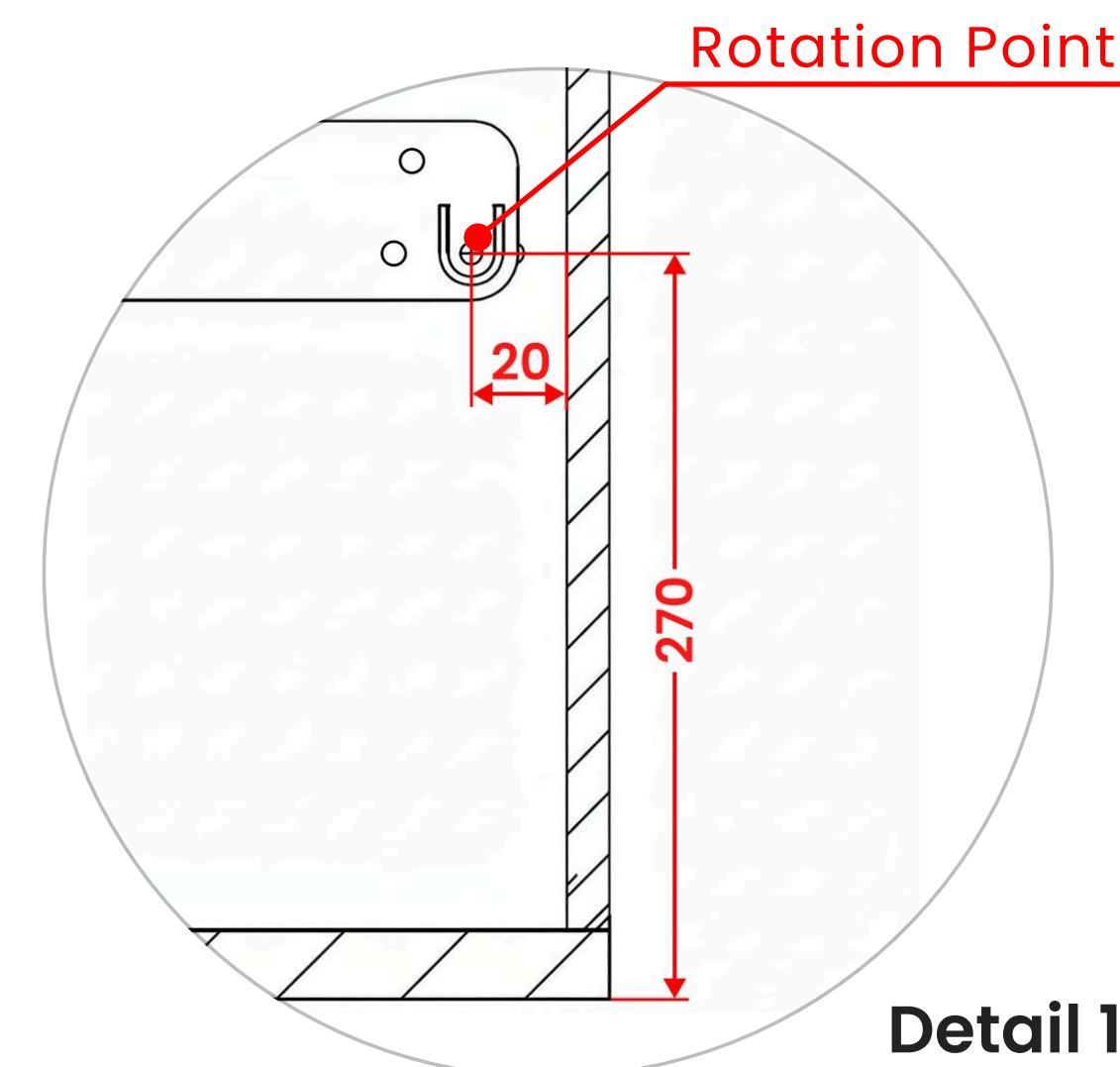
Right Plate



SYSTEM INSTALLATION

Lateral Plates

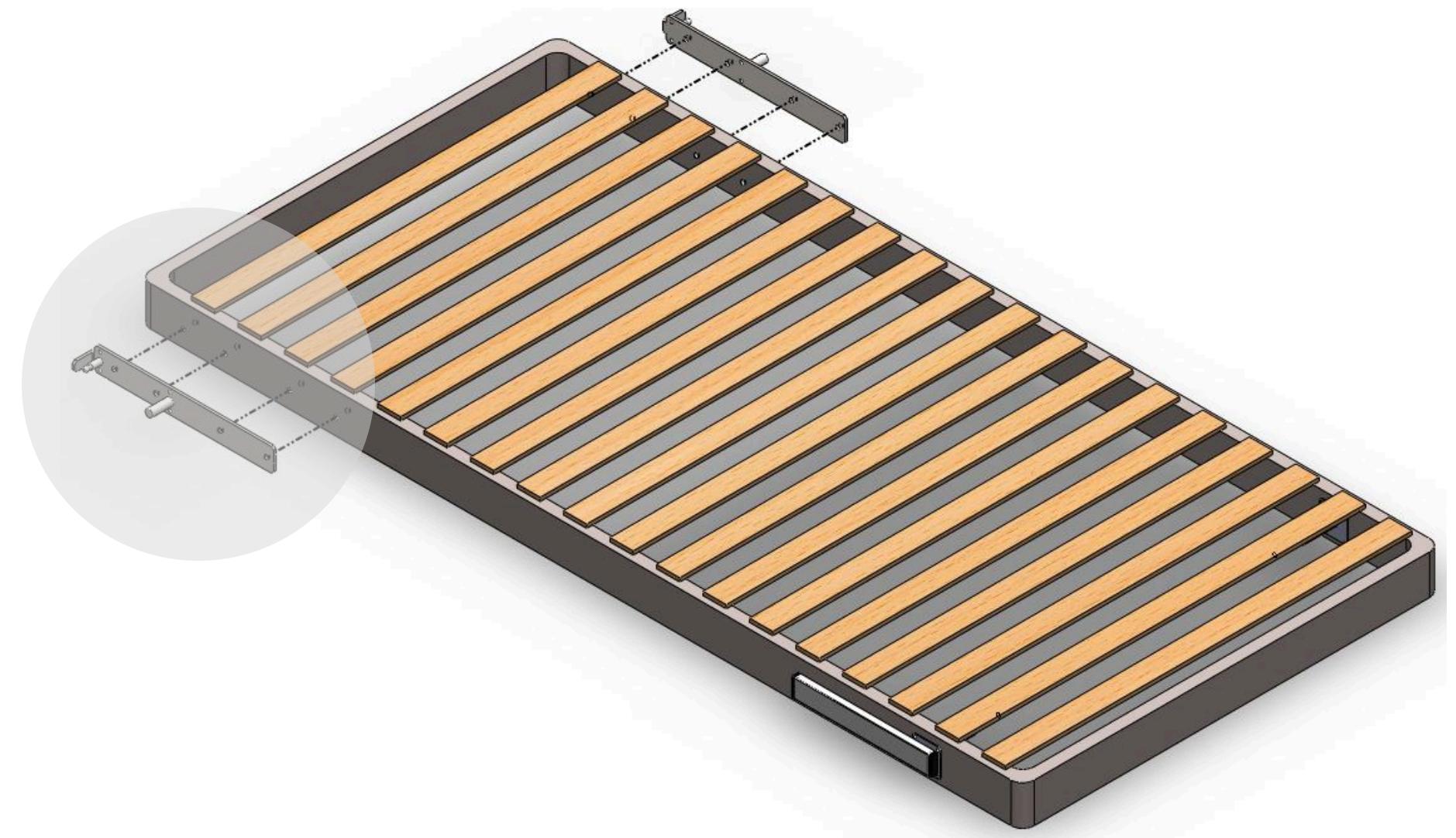
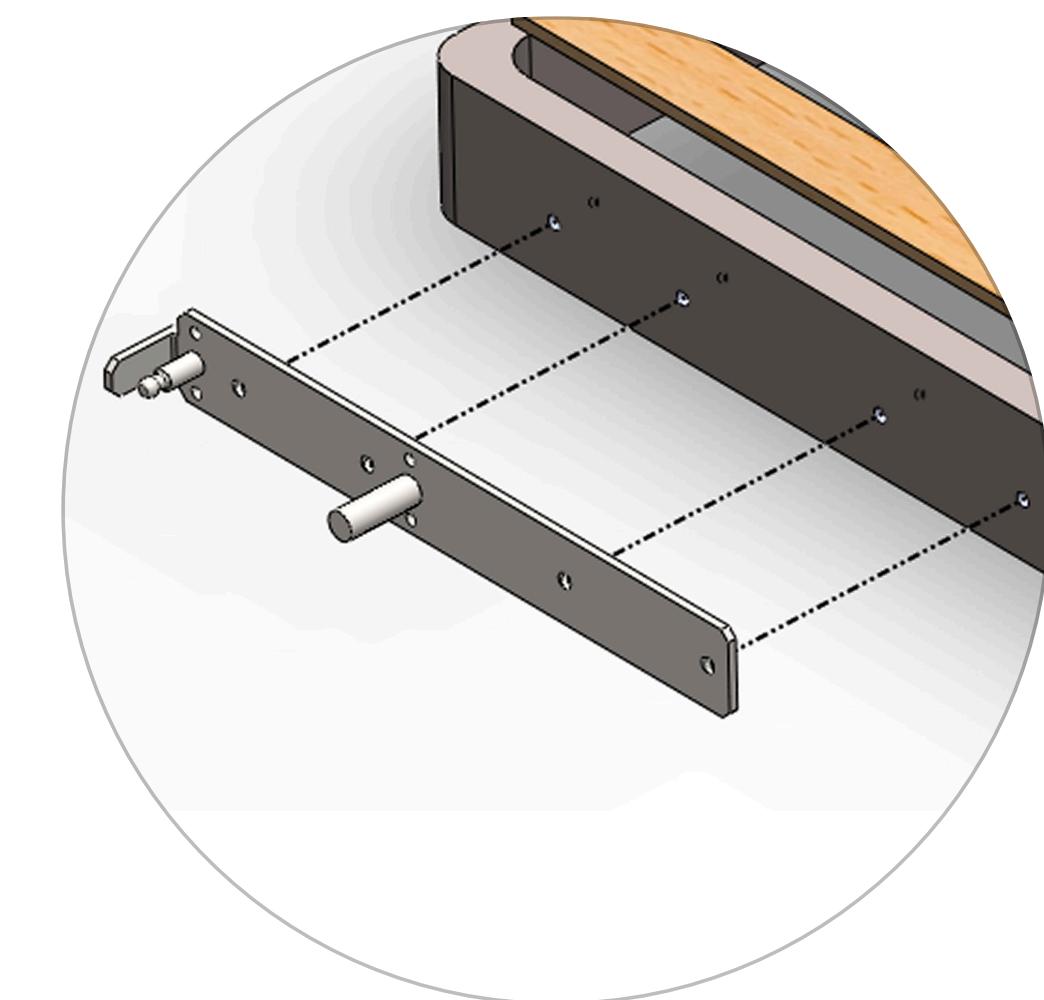
The point of origin is the pivot point, 270mm from the floor and 20mm from the inside of the door.



SYSTEM INSTALLATION

Interface Plate

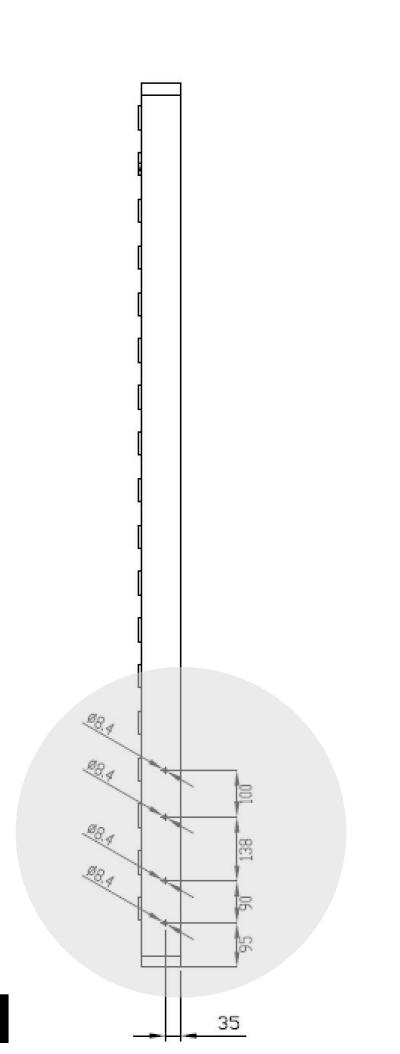
2. Mount the **interface plate** onto the bed frame at the designated position, ensuring **correct alignment** as specified in the system layout.



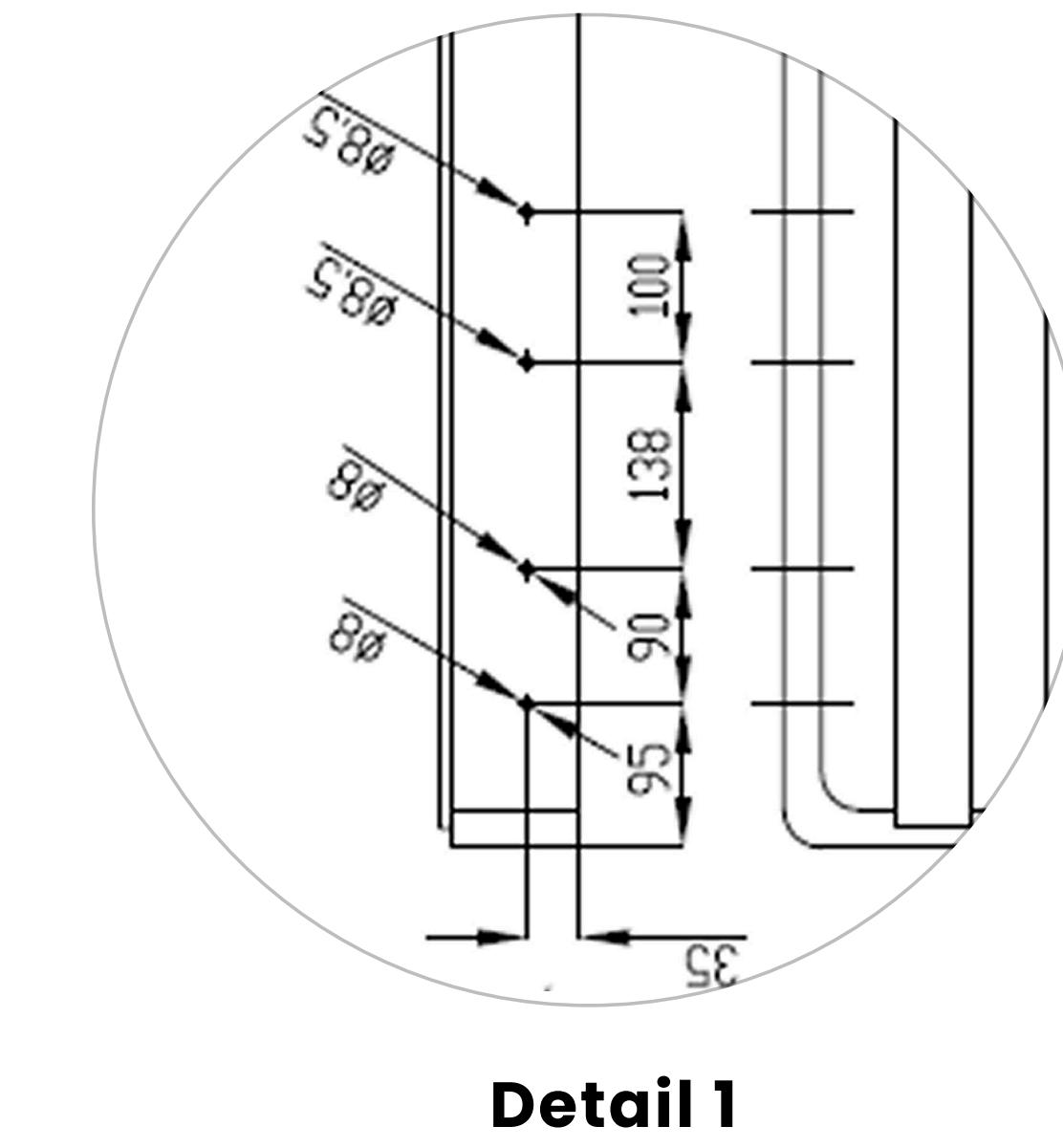
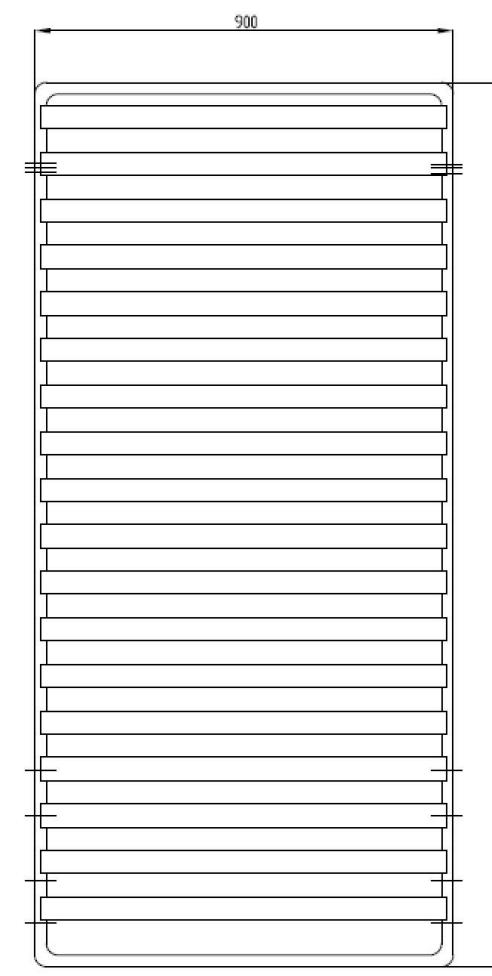
SYSTEM INSTALLATION

Interface Plate

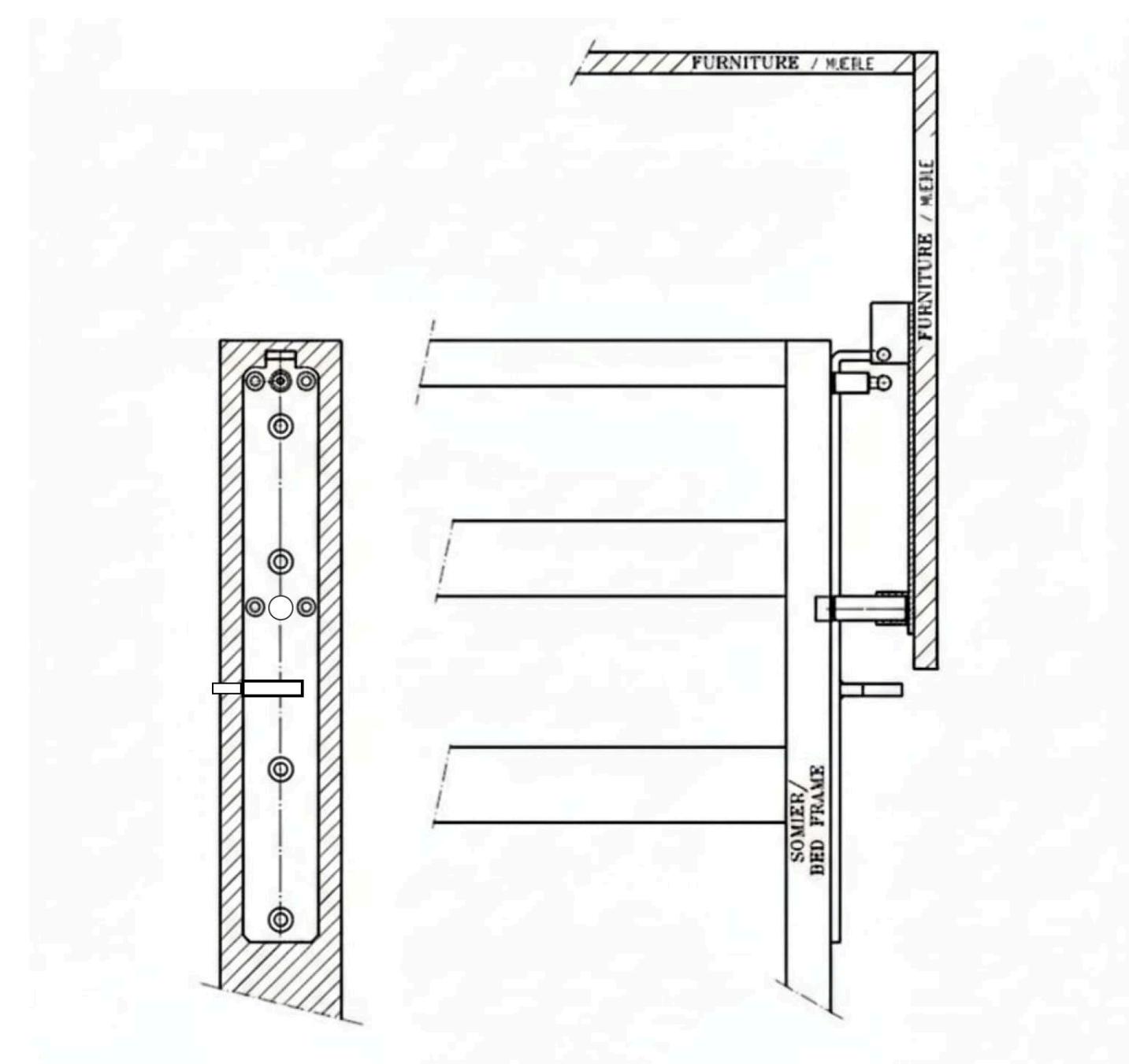
Drilling measurements for interface plate mounting.



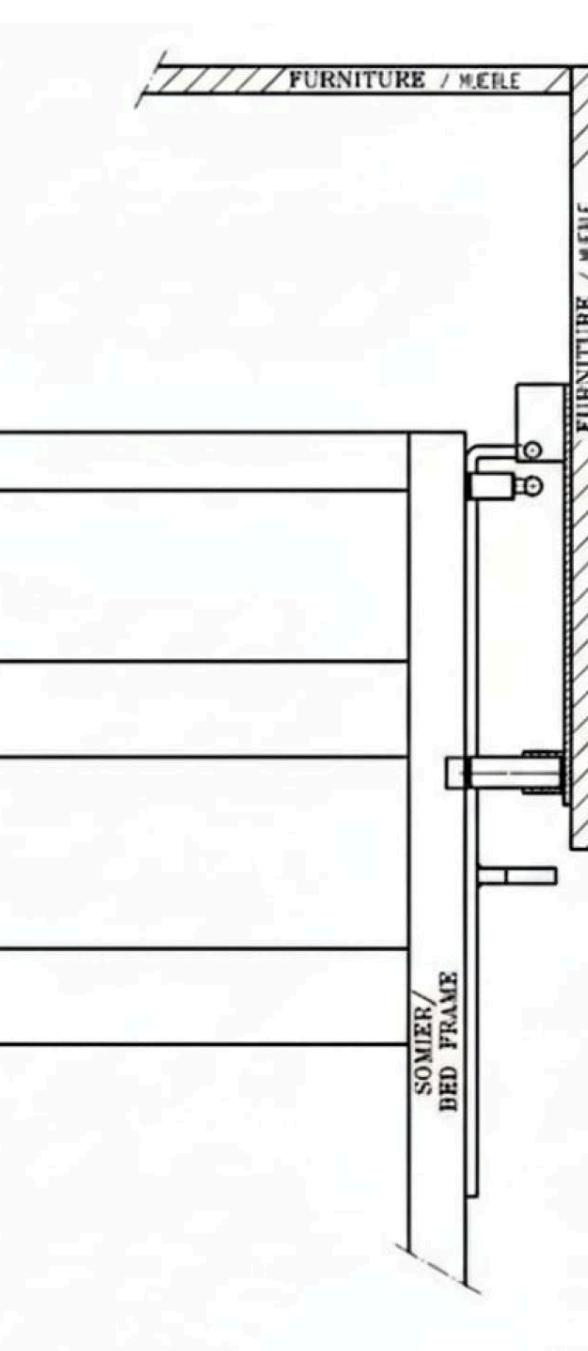
Detail 1



Detail 1



Side View

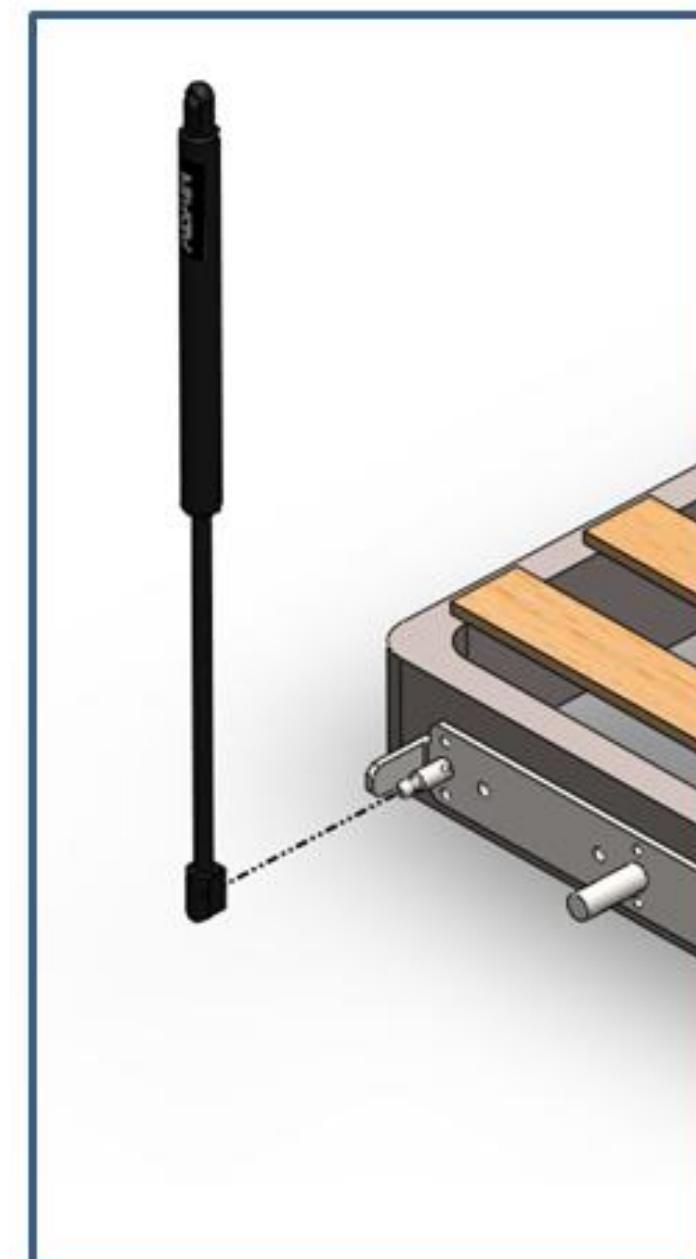
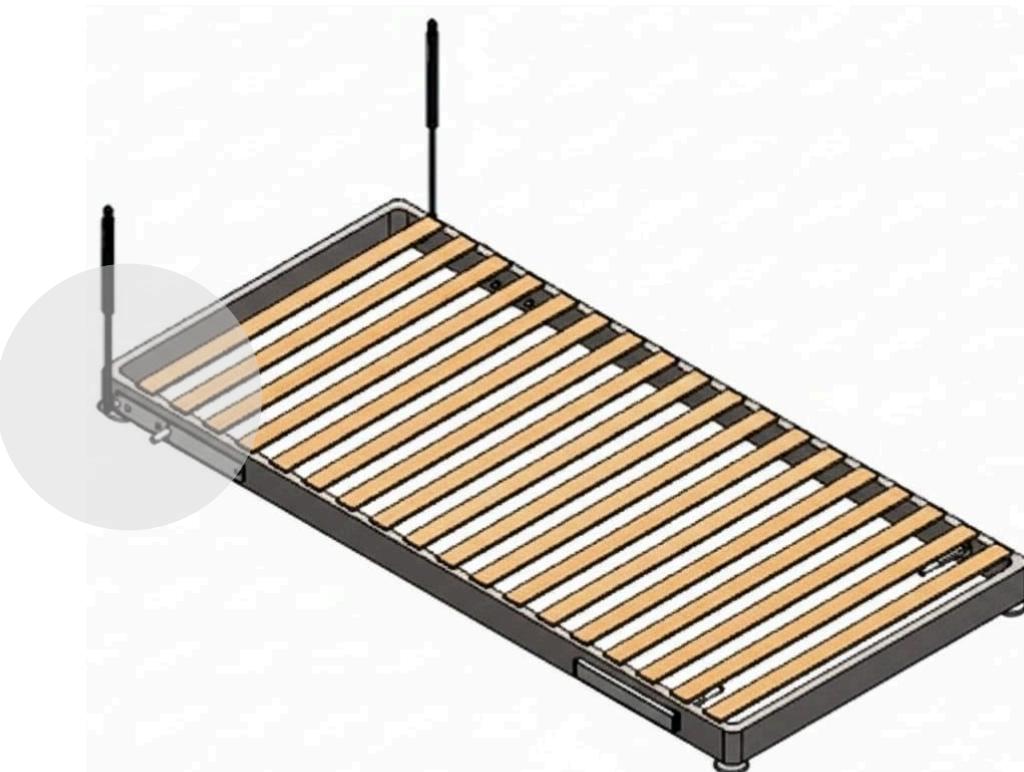


Plan View

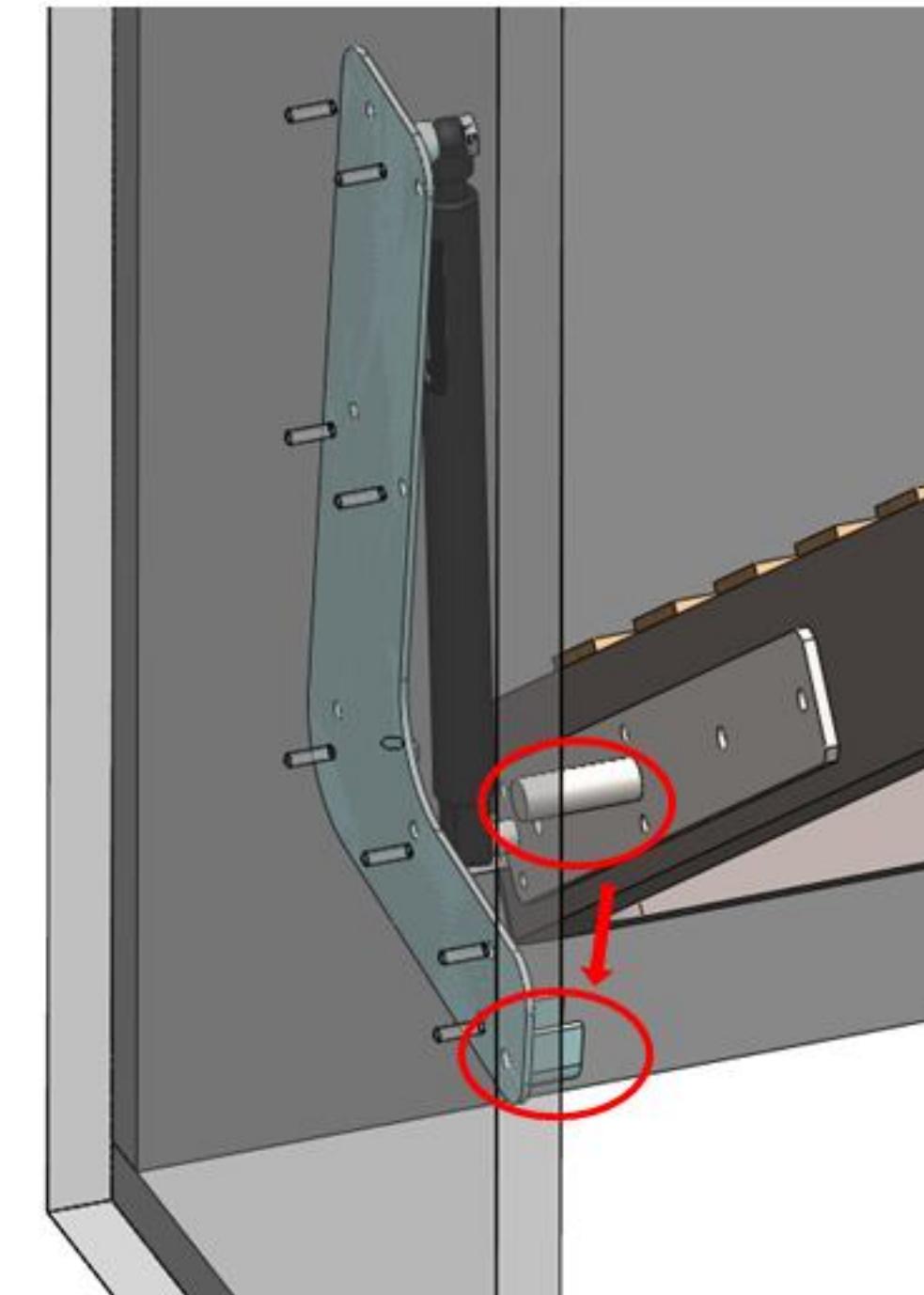
SYSTEM INSTALLATION

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.



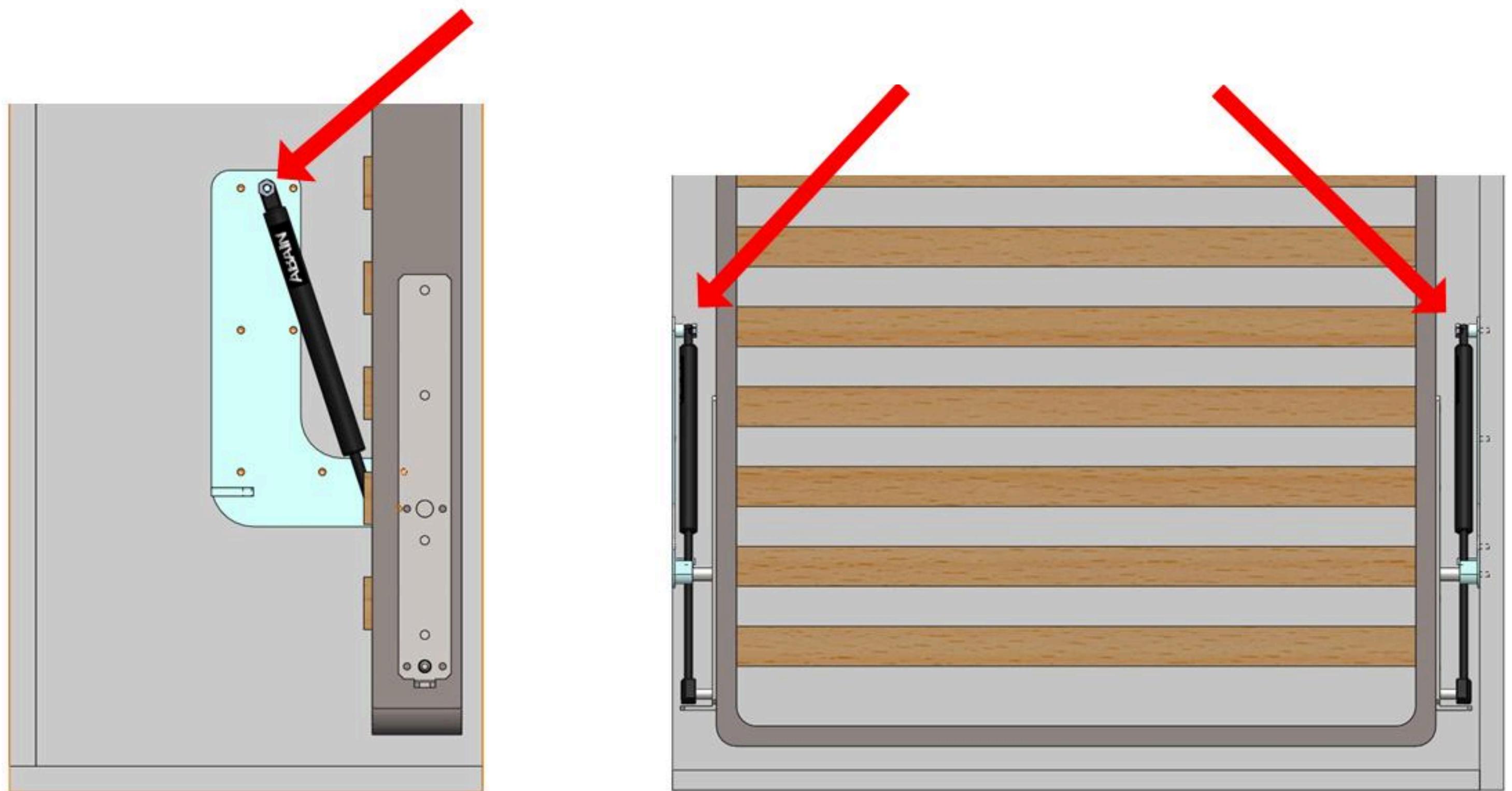
4. Install the bed base into the cabinet by resting the bed bolts on the U-shaped plate supports.



SYSTEM INSTALLATION

Gaz Lifts

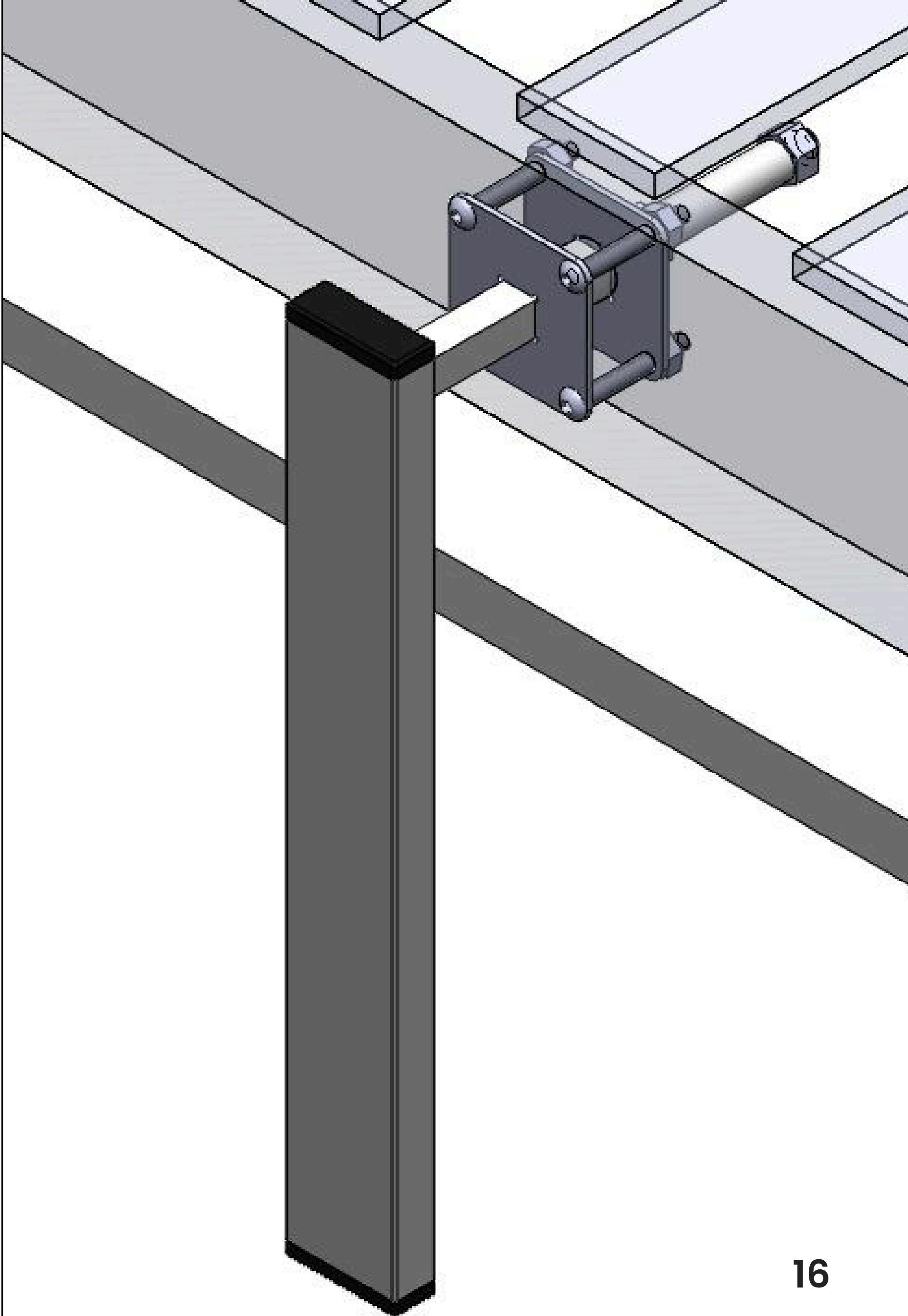
5. Without installing the door, **close the bed frame beyond the cabinet front and secure the gas lift eyelet to the plate's threaded bolt.**



SYSTEM INSTALLATION

Legs Support

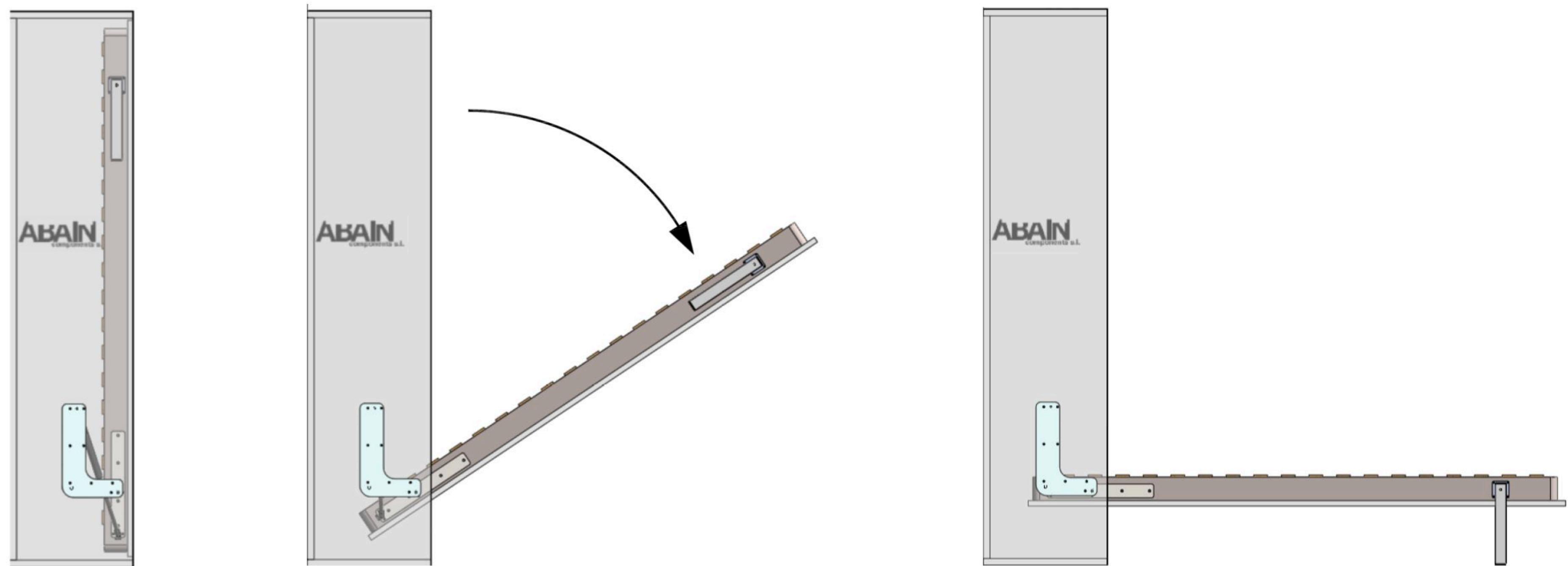
7. The **leg support** is **fixed to the bed frame** and **rests on the floor** to support the bed when opened.



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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