

Assembly Instructions









Kali Duo Board



resource

WARNING

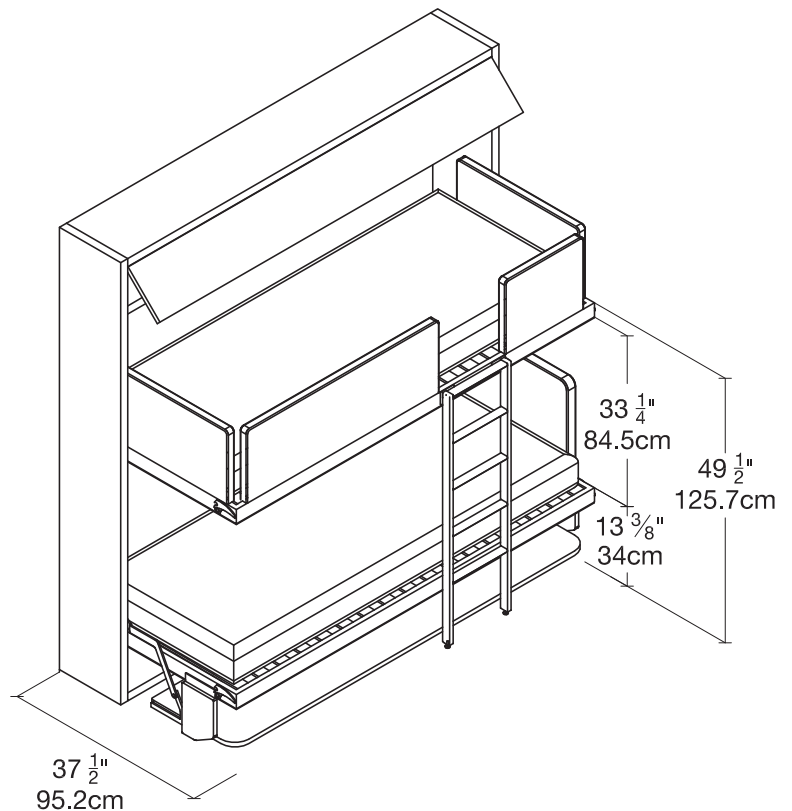
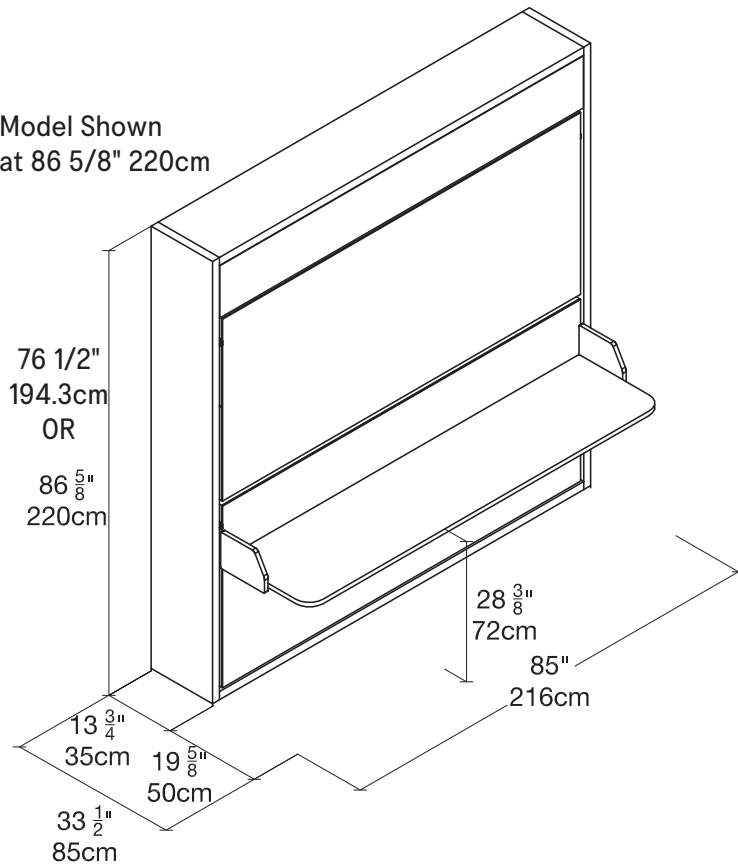
READ CAREFULLY BEFORE BEGINNING INSTALLATION. IMPROPER INSTALLATION OF THE PRODUCT MAY CAUSE SERIOUS INJURY. KEEP THIS INFORMATION FOR FUTURE REFERENCE

-  Installation or any further adjustments must be performed by a licensed contractor or a trained professional, who will ensure proper assembly and installation.
-  Installation must be performed by at least 2 people.
-  Improper installation of this product can cause serious or fatal injury. Improper installation may result in permanent damage to the bed.
-  The wall bed must be secured to the wall in FOUR locations using appropriate hardware. The contractor or installer must select the proper anchoring hardware based on the wall material. It is necessary to ensure that wall anchors of the bed can withstand forces generated. The value of the holding power (Fh) of each anchor should be 630 Newtons (142 lbf).
-  All hardware must be properly tightened. No parts of the model should be left loose or unstable.
-  In case of re-assembly or re-installation of the product, DO NOT USE the same holes drilled for original installation. Rather, the anchors, plates and plugs selected by the re-installer must be placed in a different, secure position. Never remove wall attachment screws without first removing the mattress, bed frame and hydraulics/pistons.
-  It is the owners responsibility to periodically inspect the bed to make sure that the anchors are strong and show no signs of weakening (for example if you feel that the anchor screws are moving when pulling on the cabinet of the bed). Do not use the wall bed if the cabinet moves and do not open the bed if you are not sure that it is securely attached to the wall, because it could tip over causing serious injuries. When in doubt about the anchoring, please stop using the bed immediately and have it inspected by a professional.
-  It is recommended to assess the structural integrity of the floor and wall to make sure that the wall anchoring devices can withstand the forces generated. More specifically, before installing the wall bed, it is necessary to verify that the floor and the wall on which you want to install the bed are flat and have no structural damage that could affect the installation of the wall bed or its anchoring to the wall. Do not install the bed on weakened or rotten structures.

Warranties for all products purchased from Resource Furniture, LLC are only valid if the product has been properly assembled, Installed by a trained professional, and operated in accordance with the assembly instructions. Resource Furniture accepts no responsibility for any damage or injury caused by Improper Installation.

KALI DUO BOARD OVERVIEW

Model Shown
at 86 5/8" 220cm

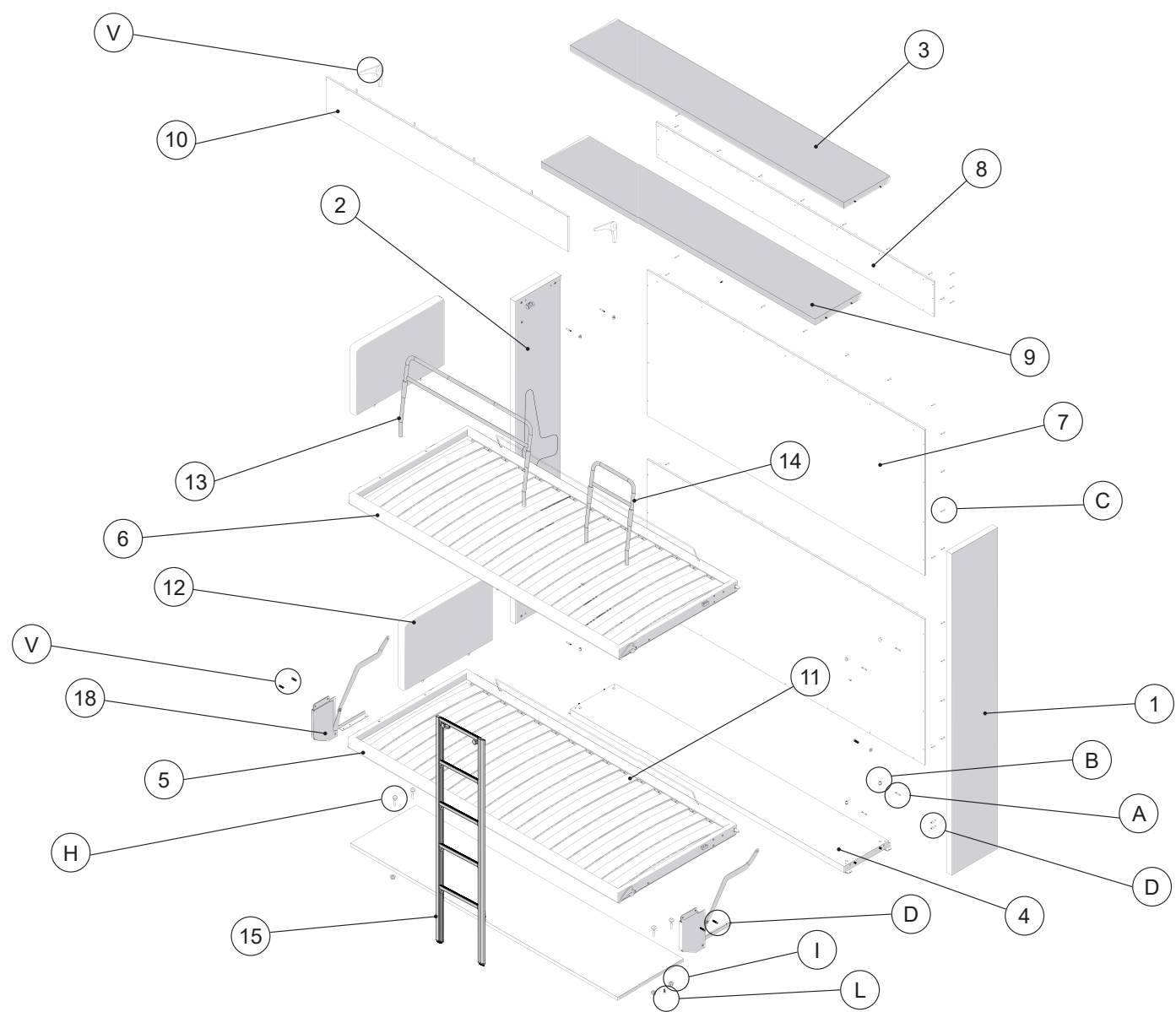


KALI DUO BOARD MATTRESS SPECIFICATIONS

Recommended weight: ~ 31-35 lbs

Recommended dimensions: W 31 1/2" X D 77 1/2" X H 7"

KALI DUO BOARD OVERVIEW



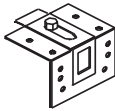
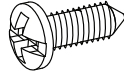
KALI DUO BOARD COMPONENTS

CODE	QTY.	COMPONENTS
1	1	Right side panel
2	1	Left side panel
3	1	Top horizontal panel
4	1	Bottom horizontal panel
5	1	Lower bed frame
6	1	Upper bed frame
7	2	Back panels
8	1	Upper back panel (IN only)
9	1	Structural shelf (IN only)
10	1	Upper storage cabinet door (IN only)
11	2	Metal bars for mattresses
12	2	Headboards
15	1	Ladder
16	1	Left (long) padded barrier
17	1	Right (short) padded barrier
18	1	Desk Brackets
19	1	Desk

KALI DUO BOARD TOOLS

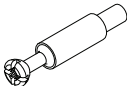
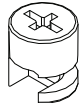
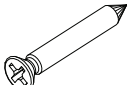




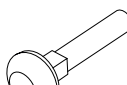

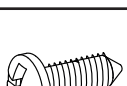
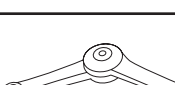
QTY.	DESCRIPTION	
1	Allen wrench 4 MM	
1	Allen wrench 6 MM	

KALI DUO BOARD WALL MOUNTING HARDWARE

CODE	QTY.	DESCRIPTION	
WB	4	Wall brackets	
WC	18	Bracket screws	

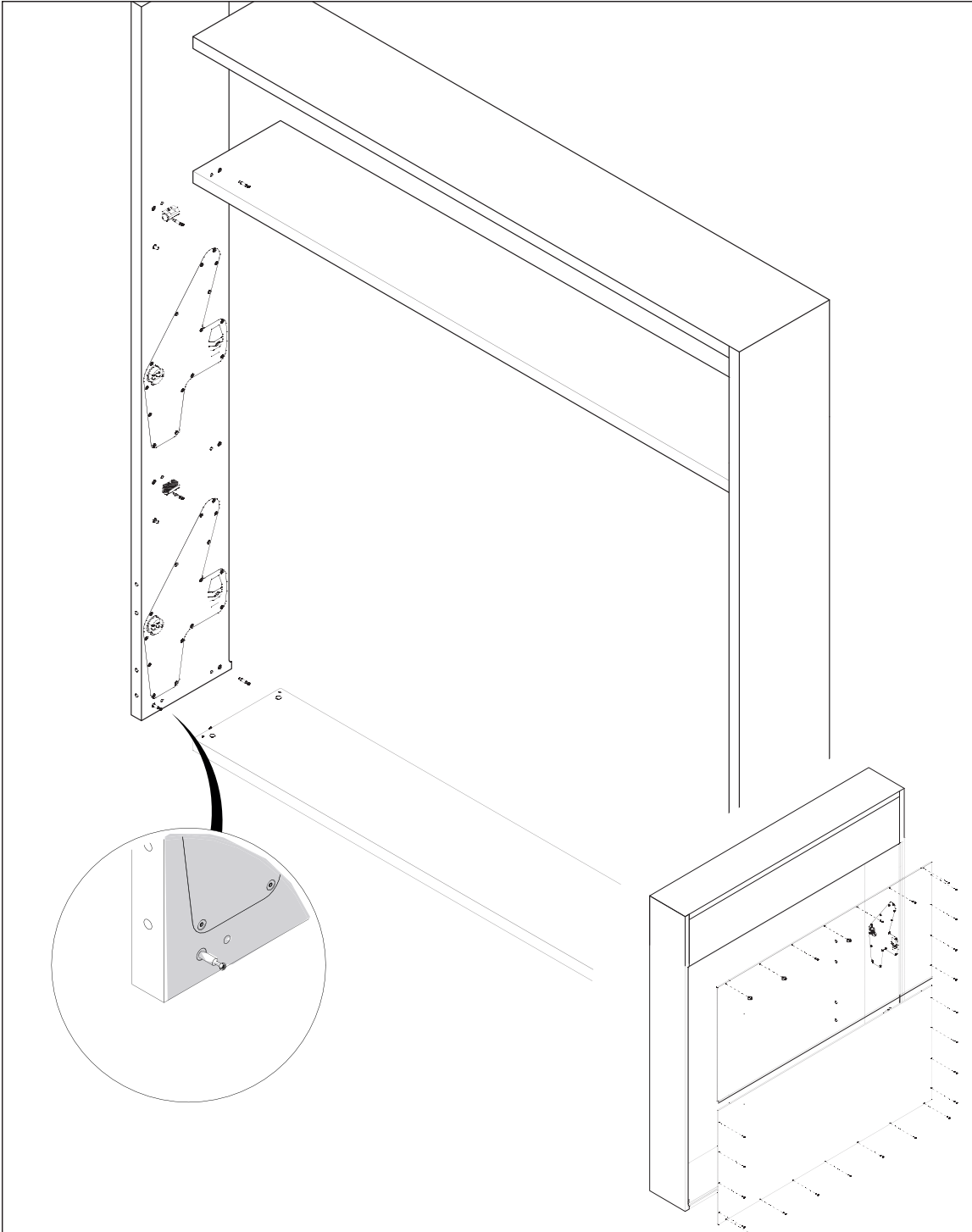
Note: The installer must determine the composition of the wall and appropriate anchors prior to installation. The wall anchors included are for solid concrete walls only.

KALI DUO BOARD STRUCTURAL HARDWARE

CODE	QTY.	DESCRIPTION	
A	12	Connector bolts	
B	12	Cam connectors	
C	44	Phillips screw	
D	8	Hex screws - for attaching bed frame to structure	
E	4	Flanged screws - for attaching desk to desk mechanism	
F	2	Conical Washers - for attaching desk mechanism to side panels	
G	2	Flanged screws - for attaching desk mechanism to vertical side panels	
H	4	Bolt - for attaching desk	
I	4	Nut - for attaching desk	
L	2	Screw - for attaching desk	
V	2	For IN upper storage cabinet	

STRUCTURE ASSEMBLY

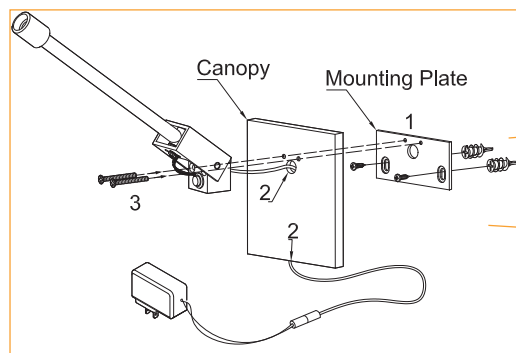
- 1** Screw 8 A pins into the 1 right vertical and 2 left vertical panels. Attach the (4) horizontal bottom panel ; (3) horizontal top panel and (9) structural shelf to the vertical panels by inserting and tightening 12 (B) cams. Attach the 7 back panels to the structure with 22 C Phillips screws.



OPTIONAL WAND LIGHTING

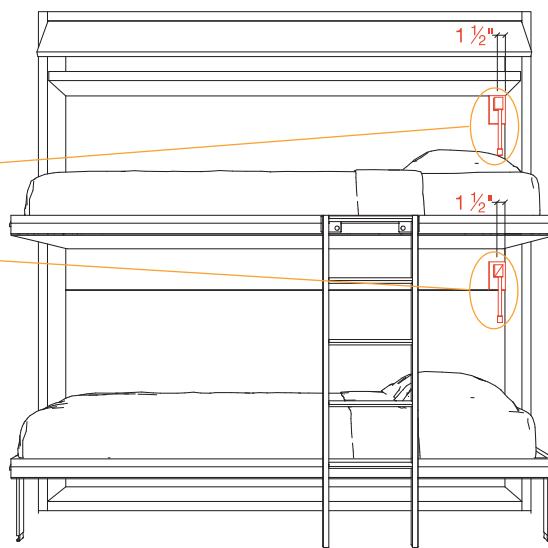
2

Drill $\frac{1}{2}$ " hole at $37 \frac{7}{8}$ " measured from the bottom of the structure (from inside) and $1 \frac{1}{2}$ " in from the side. Drill $\frac{1}{2}$ " hole at $69 \frac{1}{8}$ " measured from the bottom of the structure (from inside) and $1 \frac{1}{2}$ " in from the side.

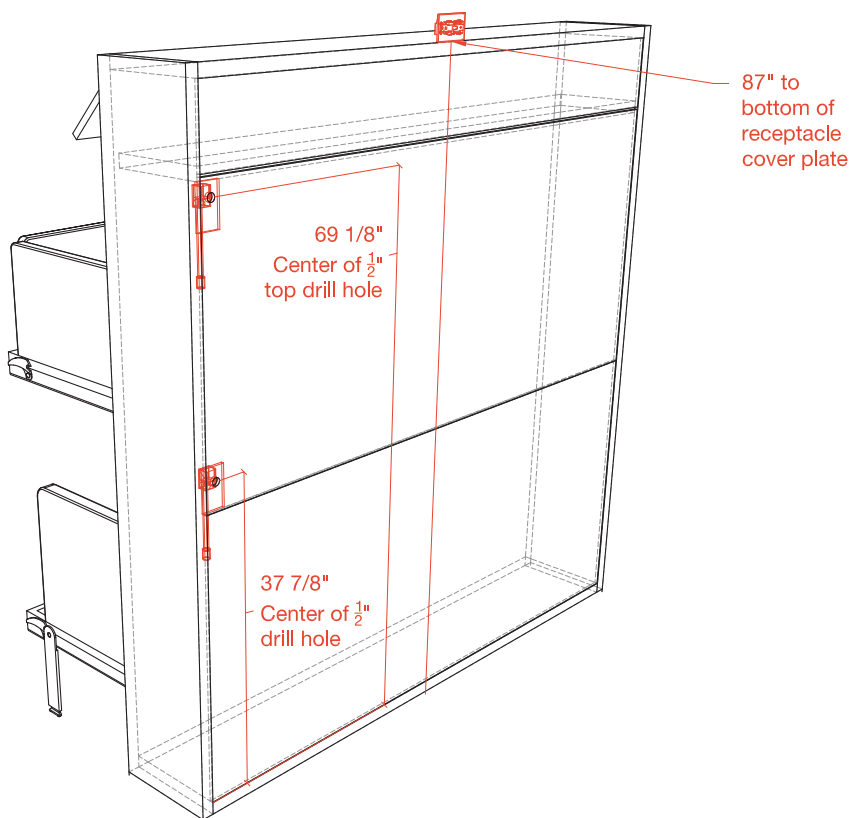


Wand Light Exploded Diagram

Cord Length = 118"



Front



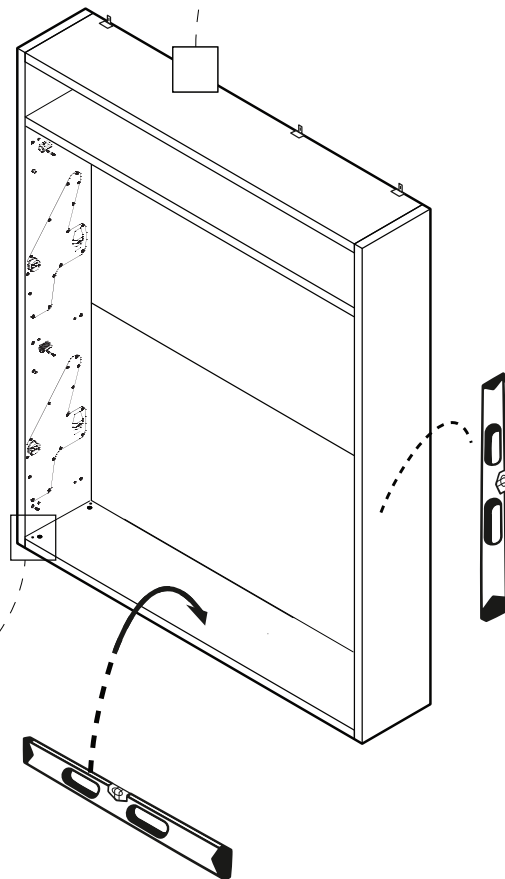
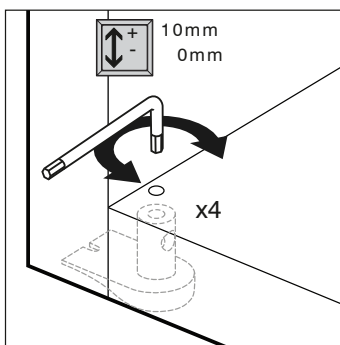
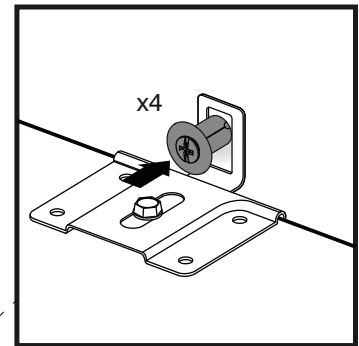
Back

WALL ANCHORING INSTRUCTIONS



Caution! Carefully read pages 8-12 before anchoring the bed to the wall.

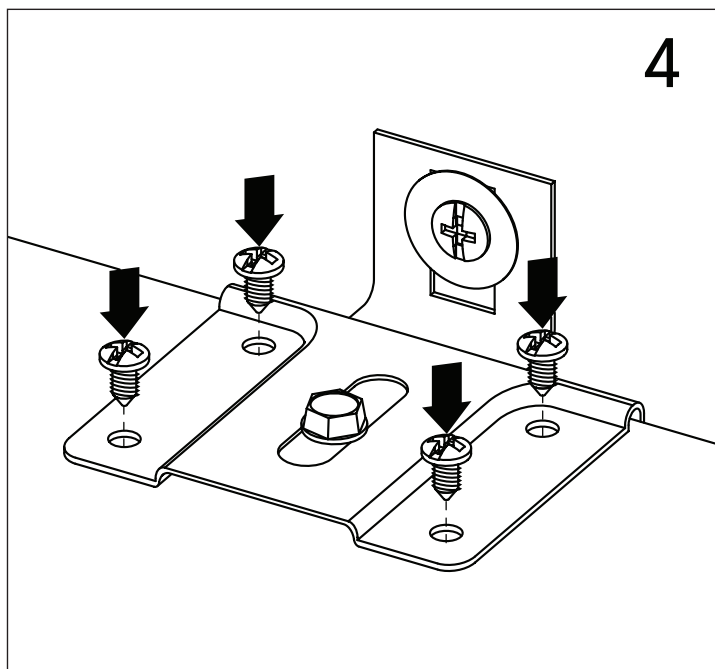
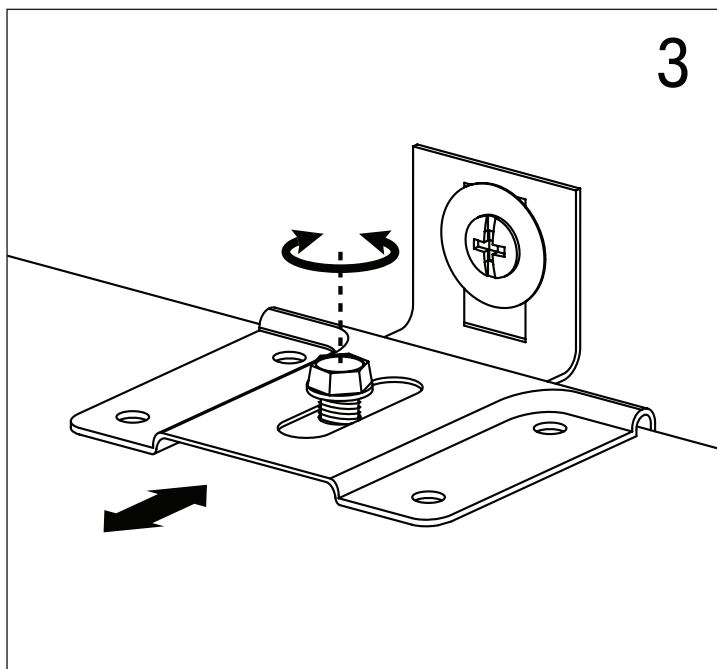
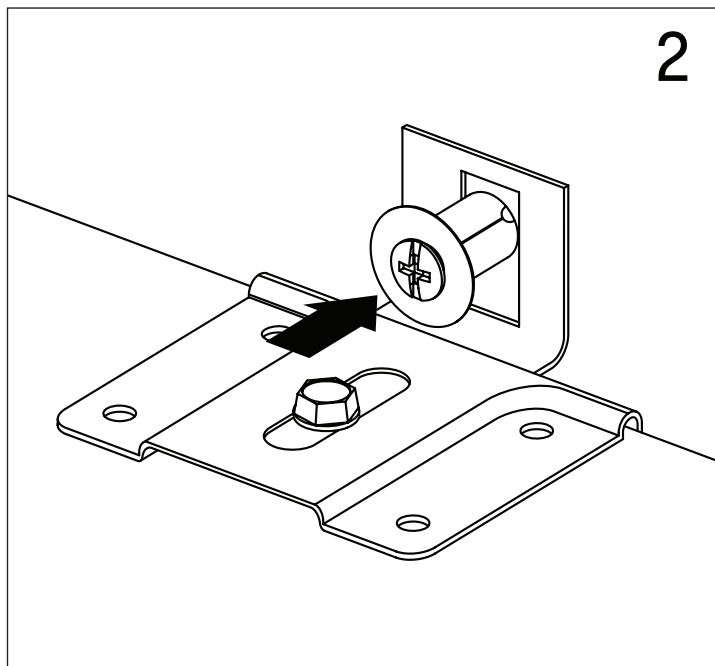
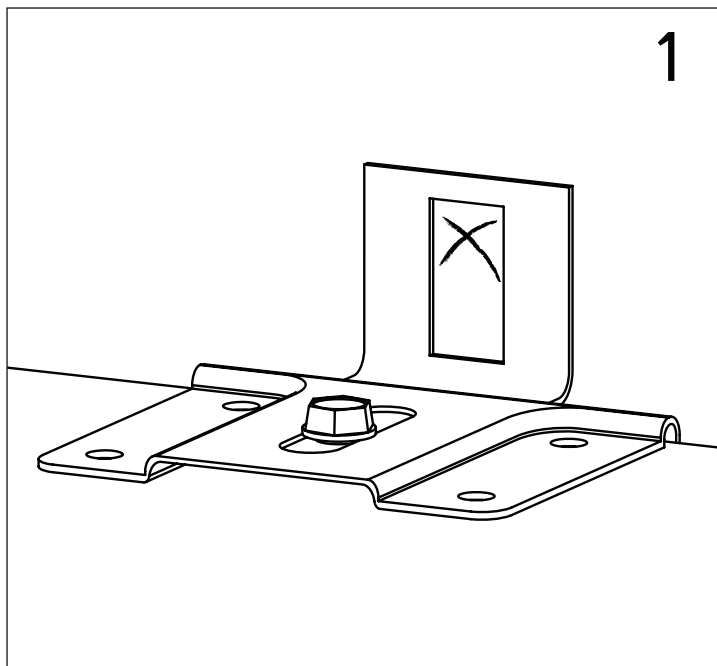
It is compulsory to secure the product to intact and strong walls, by no less than 4 wall anchoring points, as well as to place it on leveled floors.



WALL ANCHORING INSTRUCTIONS

After the unit is level and plumb it should be securely attached to the wall using the metal angle mounting brackets as shown in the images below. A proper wall anchor suitable for the wall's construction must be selected by the contractor or installer.

The required washer shown in the images below is not included with the hardware.

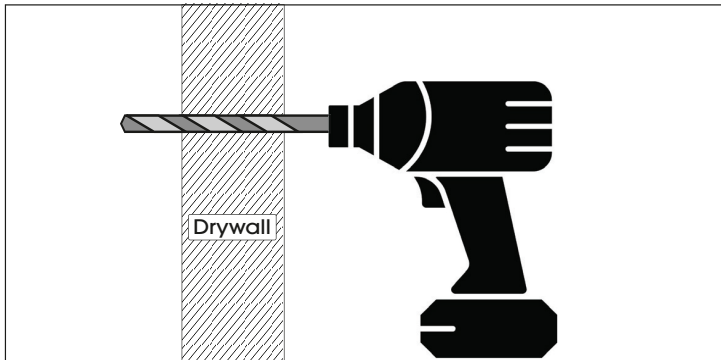


WALL ANCHORING INSTRUCTIONS

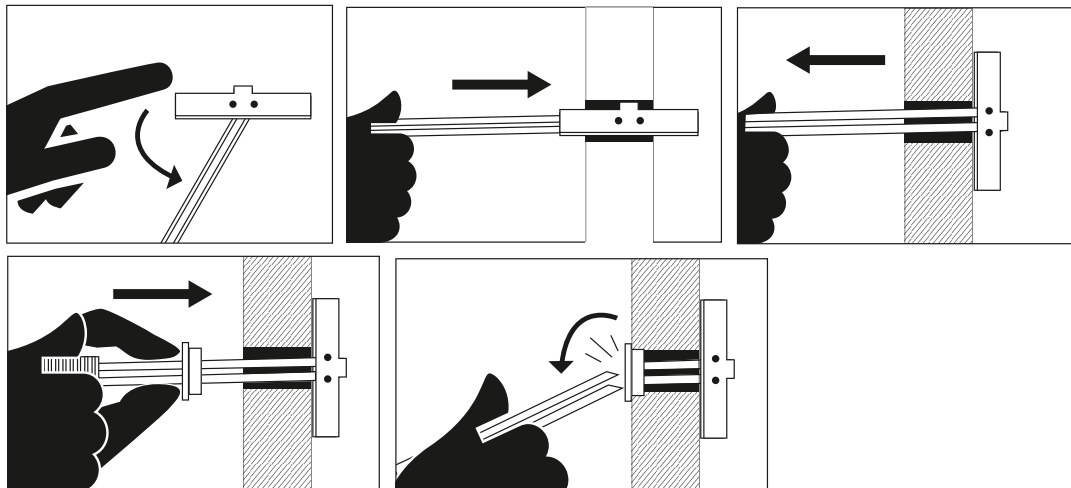
SHEETROCK

For 1/2" and 5/8" thick sheetrock it is recommended to use (4) 3/16" strap toggles.

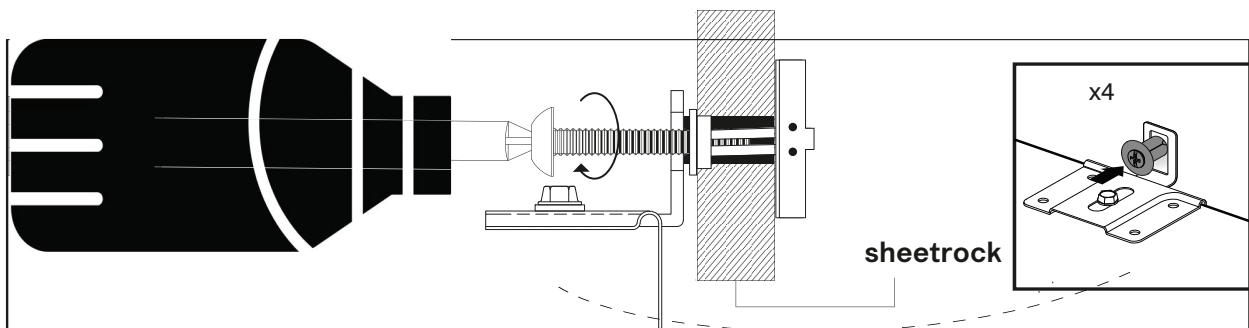
Using a 1/2" (13 mm) diameter metal bit, drill into the drywall.



Slide the metal channel of the anchor through the hole in the wall, hold the straps together and pull toward you until the channel rests behind the wall. Slide the cap along the straps until it is flush with the wall. Snap off the straps.



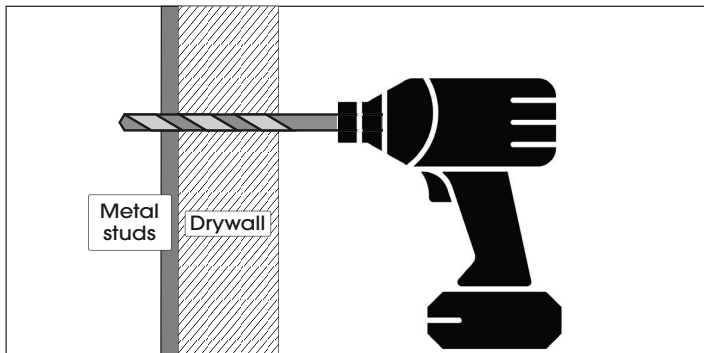
Insert the screw 3/16" X APPROPRIATE LENGTH into the hole and fasten the screw until the metal angle bracket is pulled snug against the wall.



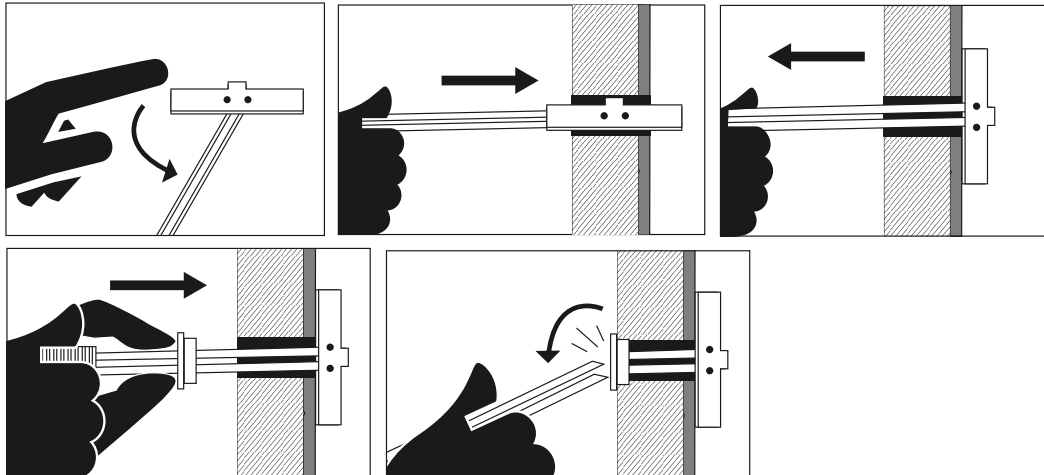
WALL ANCHORING INSTRUCTIONS

METAL STUDS : OPTIONAL

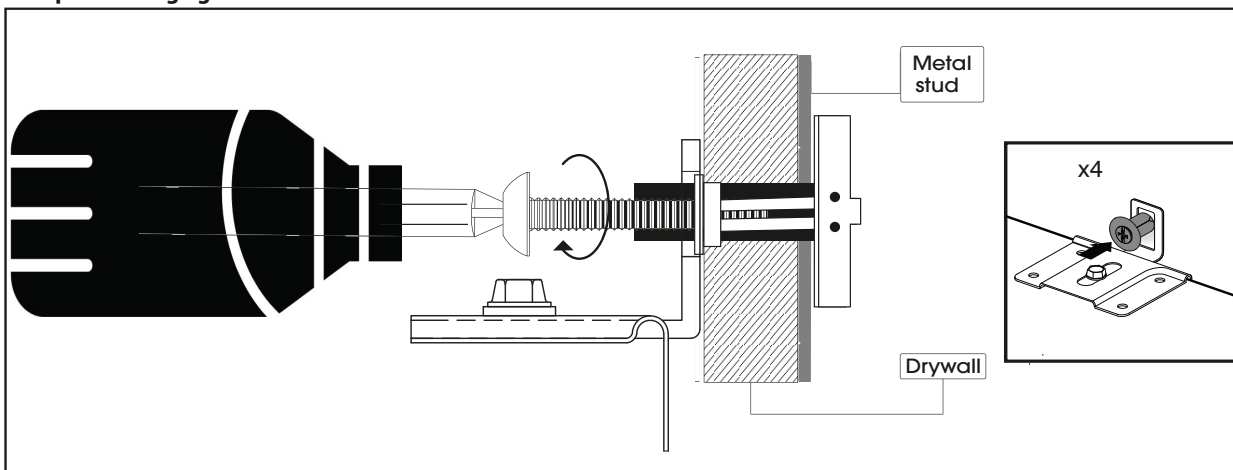
Using a 1/2" (13 mm) diameter metal bit, drill into the drywall and the metal studs.



Slide the metal channel of the anchor through the hole in the wall, hold the straps together and pull toward you until the channel rests behind the wall. Slide the cap along the straps until it is flush with the wall. Snap off the straps.

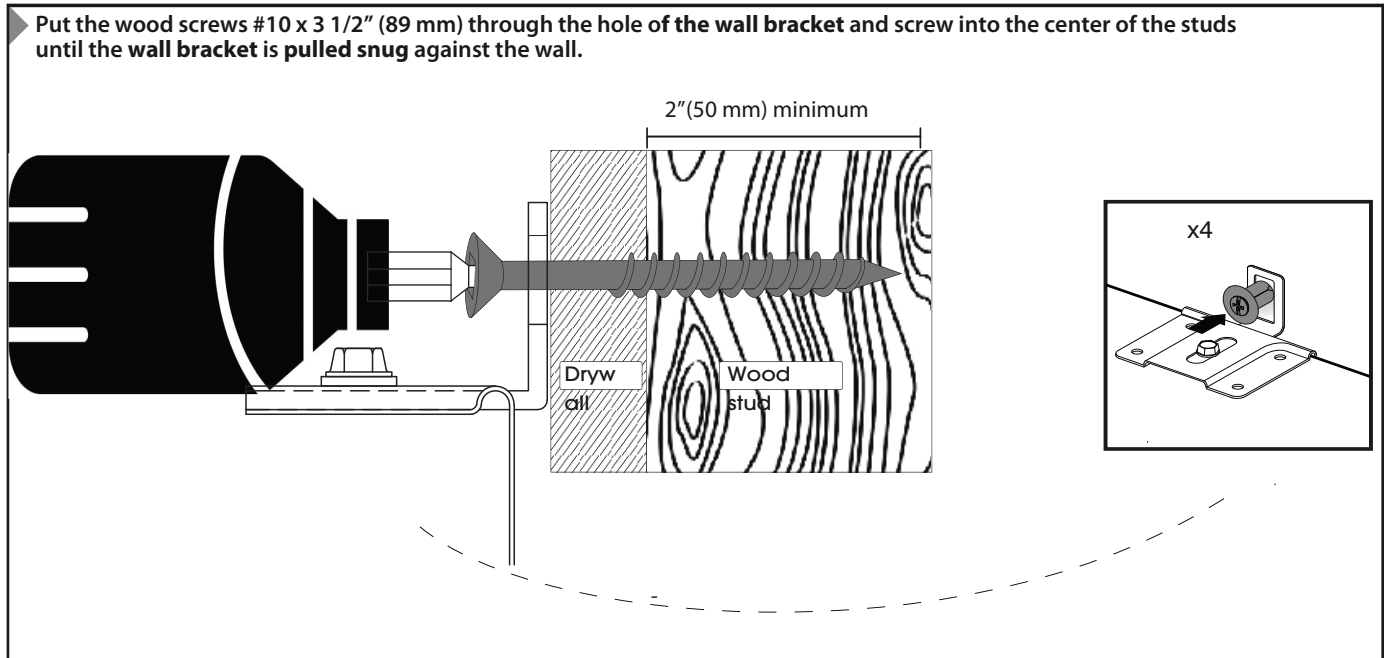


Insert the screw 3/16" X APPROPRIATE LENGTH into the hole and fasten the screw until the metal angle bracket is pulled snug against the wall.



WALL ANCHORING INSTRUCTIONS

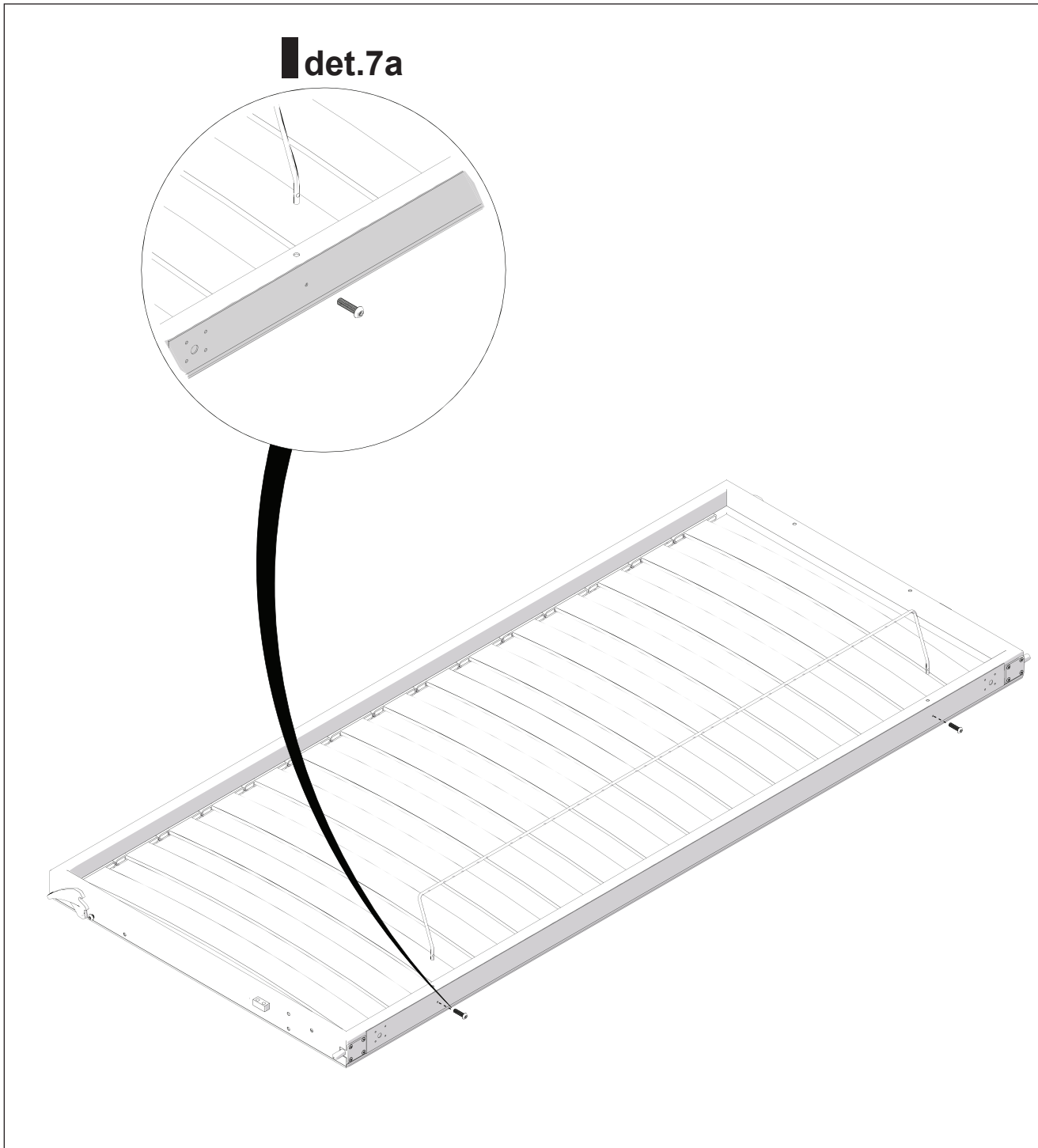
WOOD STUDS



For any other wall materials please reach out to Resource Furniture.

BED BASE INSTALLATION

- 4** Mattress bar must be installed before the bed base is inserted into the structure. Fasten the 11 mattress support bars to the 5 lower and 6 upper bed frames using the 5MA x 20 screws attached to each bar.



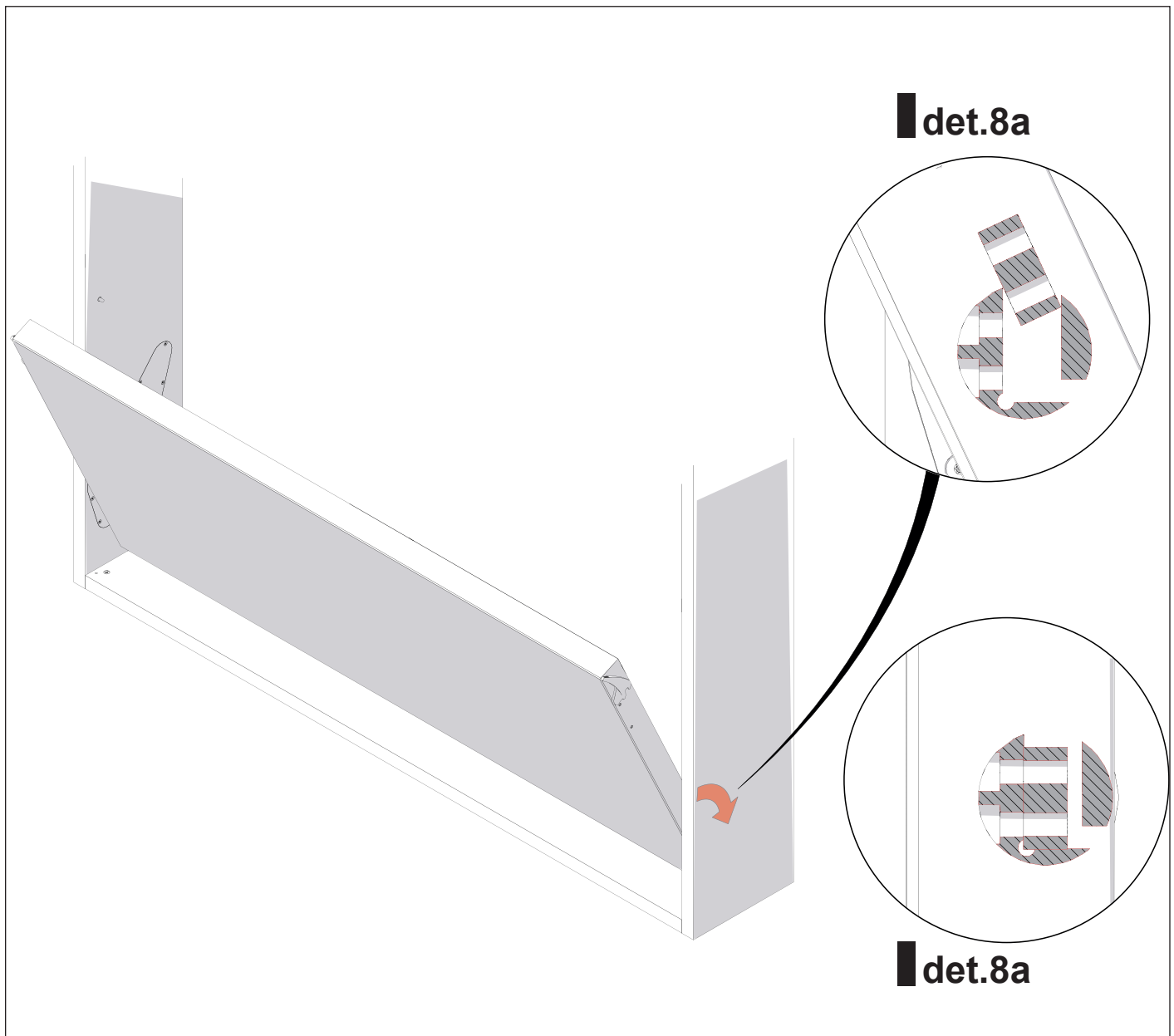
LOWER BED BASE INSTALLATION

5

Position and insert the (5) bed frame within the structure as shown in det. 8a.

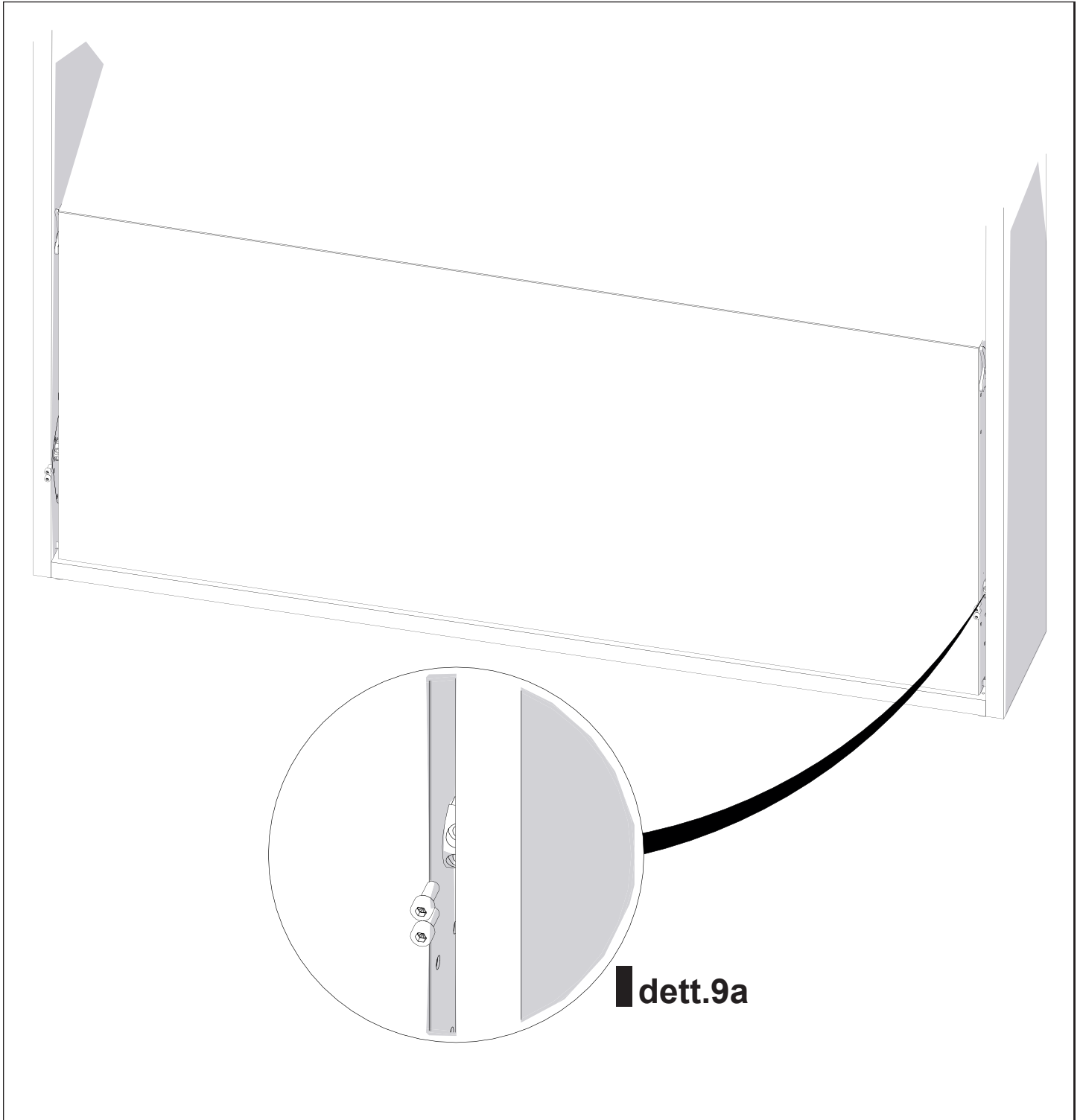


At this stage of the installation the bed structure must be securely attached to the wall as described on pages 8-12.



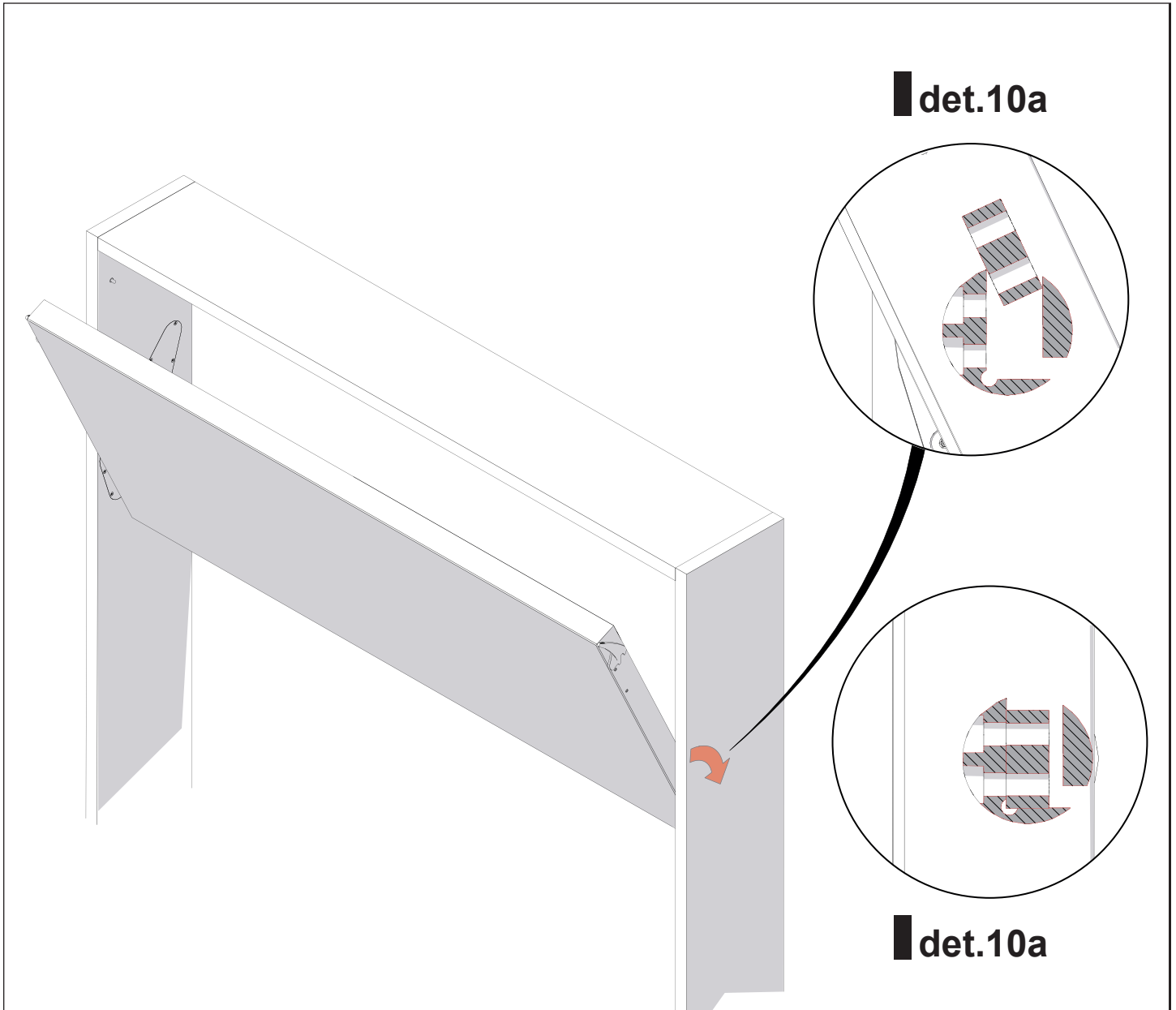
LOWER BED BASE INSTALLATION

- 6** Close the lower bed and fasten 2 (D) hex screws into the mechanisms on both vertical panels, as shown in det. 9a.



UPPER BED BASE INSTALLATION

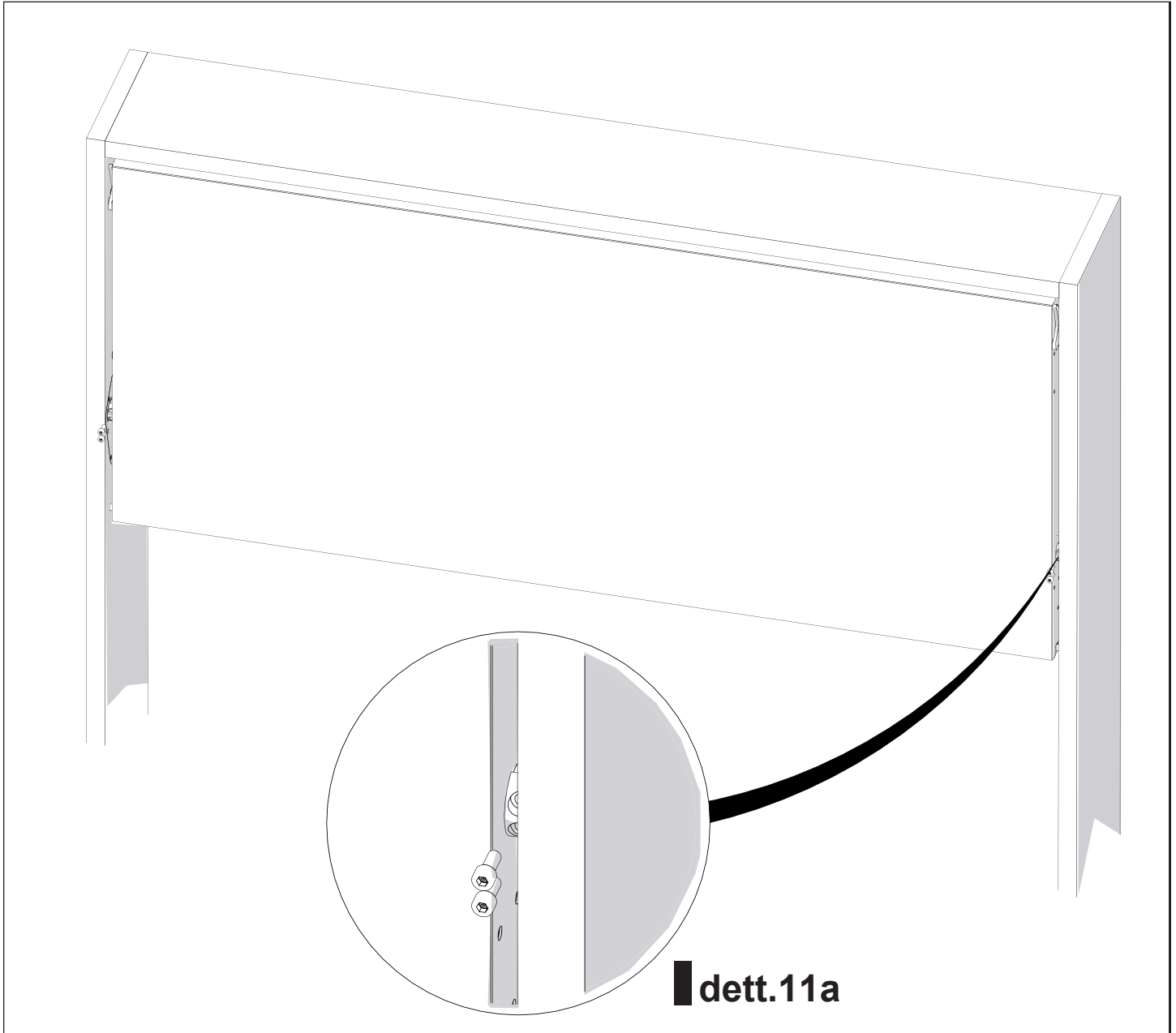
- 7** Position and insert the (6) upper bed frame within the structure as shown in det. 10a.



UPPER BED BASE INSTALLATION

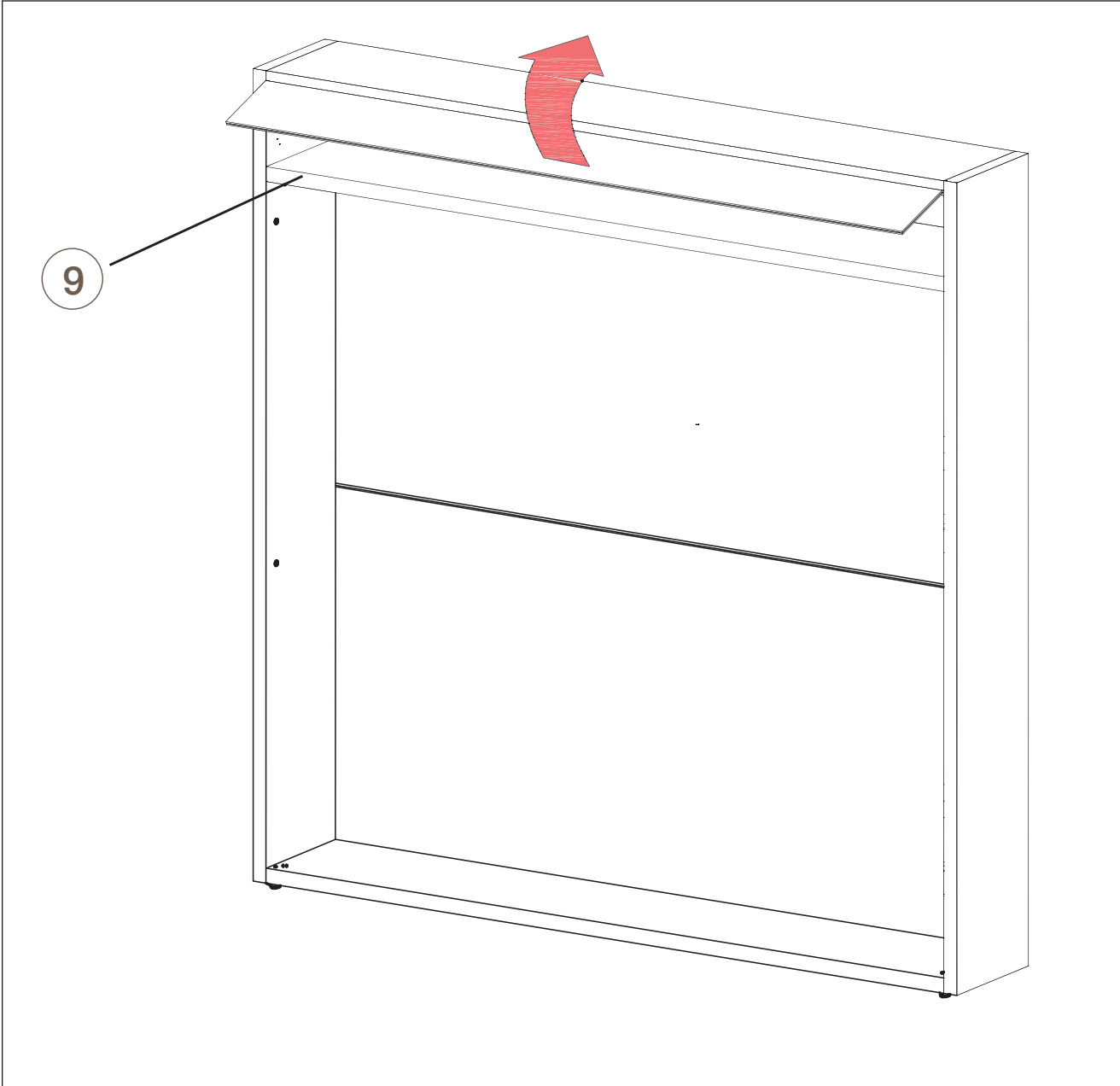
8

Close the upper bed and fasten 2 D hex screws into the mechanisms on both vertical panels, as shown in det. 11a.



UPPER STORAGE INSTALLATION

- 9** IN (2200) MODEL WITH UPPER STORAGE ONLY: ASSEMBLY OF UPPER STORAGE Assemble the upper storage with the 9 structural shelf (which will become the base of the cabinet), the 8 back panel, and secure with 20 C Phillips screws.

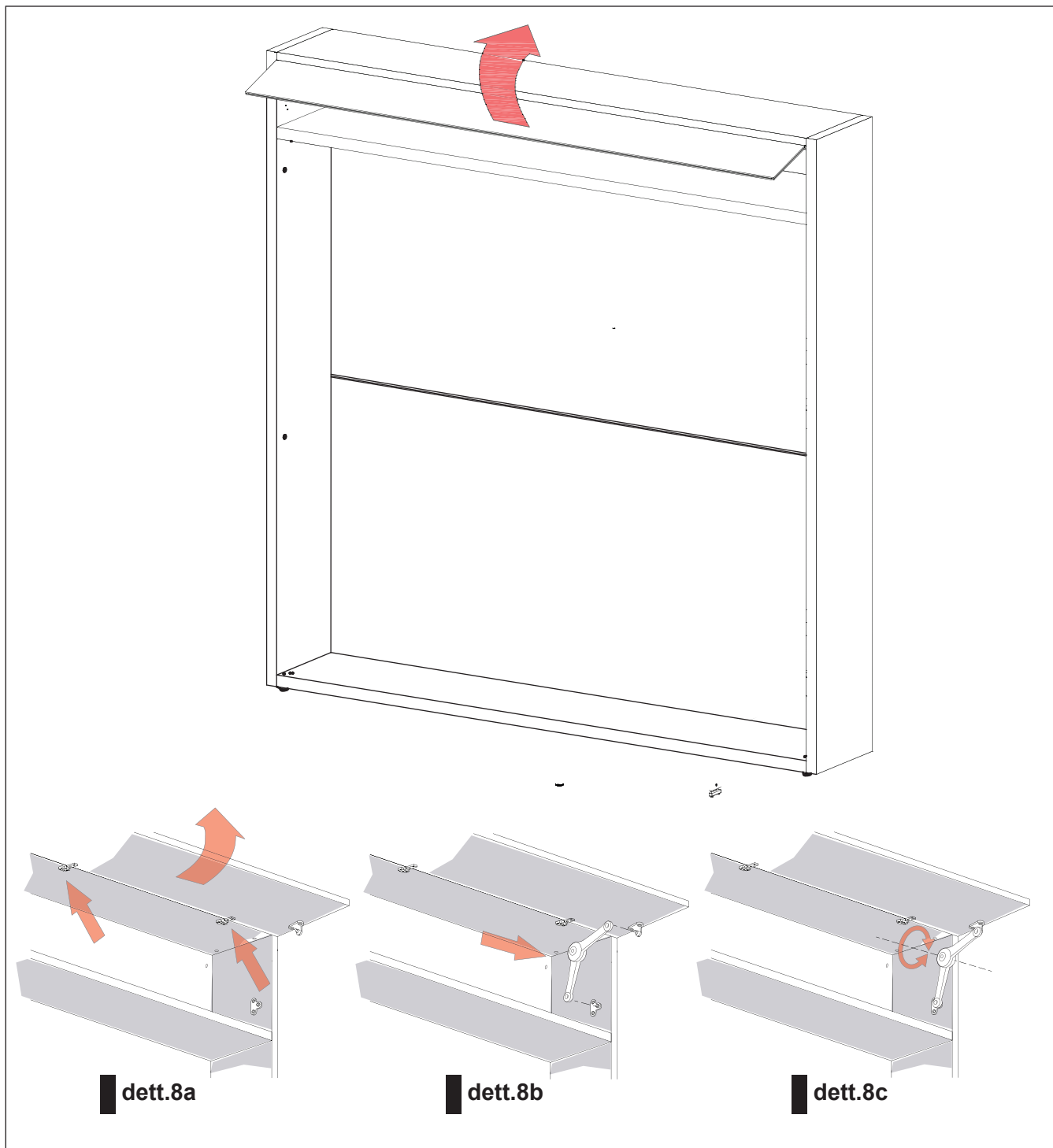


UPPER STORAGE INSTALLATION

10

IN (2200) MODEL WITH UPPER STORAGE ONLY: ASSEMBLY OF UPPER STORAGE

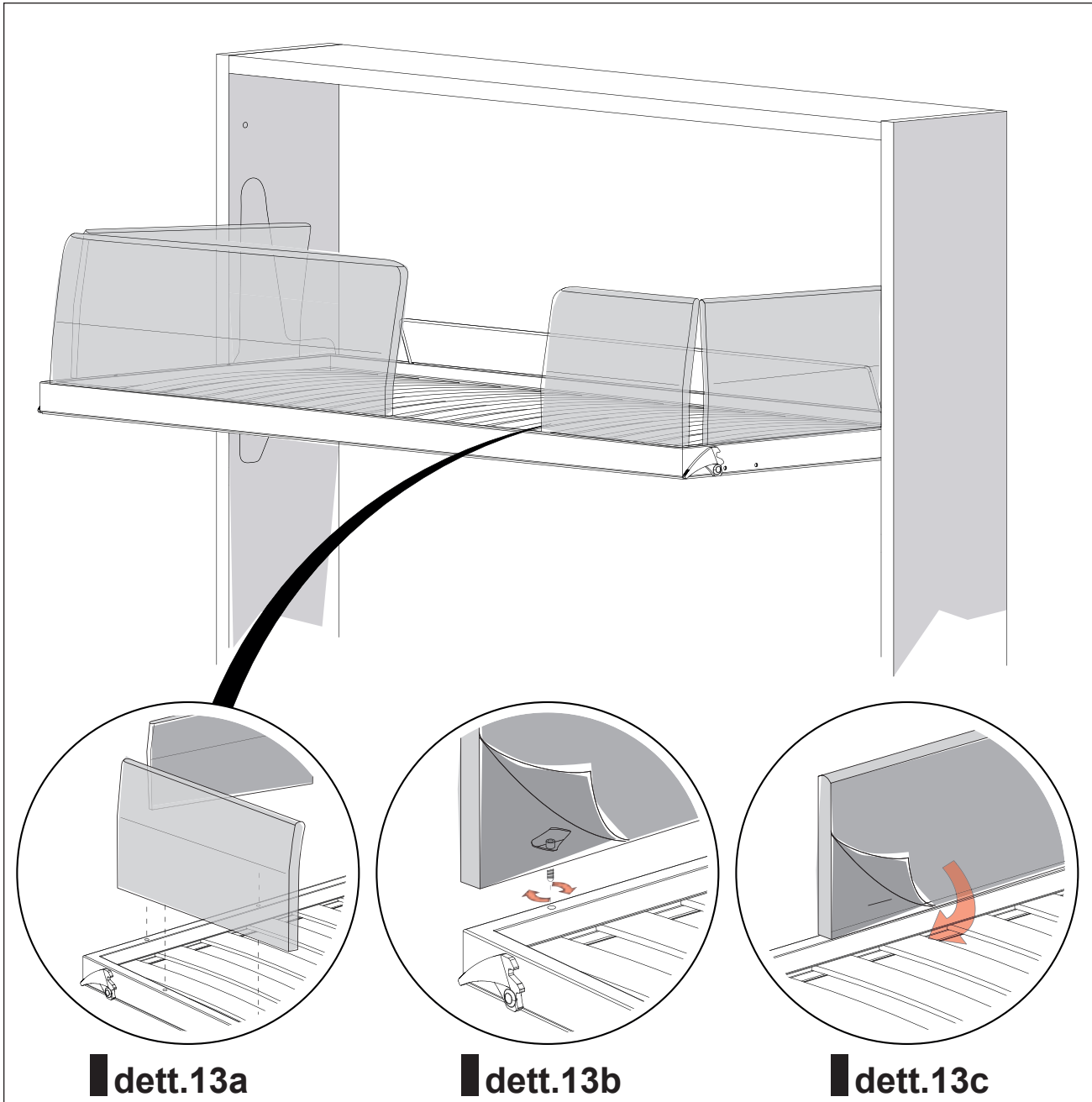
A - Open the upper storage cabinet fully and attach the 4 hinges to the metal plates on the top panel. B - Attach the 2 V metal brackets to each side of the cabinet. C - Using an allen wrench, adjust the bracket so that it can fully support the weight of the storage door when open.



UPPER PADDED BARRIERS ASSEMBLY

11

Open the upper bed frame by pressing down on one of the two locking levers. 13a - Align the (16) long and (17) short padded barriers with the appropriate holes on the bed frame. 13b - Lift the barrier fabric as shown and fasten the barriers to the bed frame using 8 8MA x 50 screws 13c - Close the fabric.



CLOSING UPPER PADDED BARRIERS

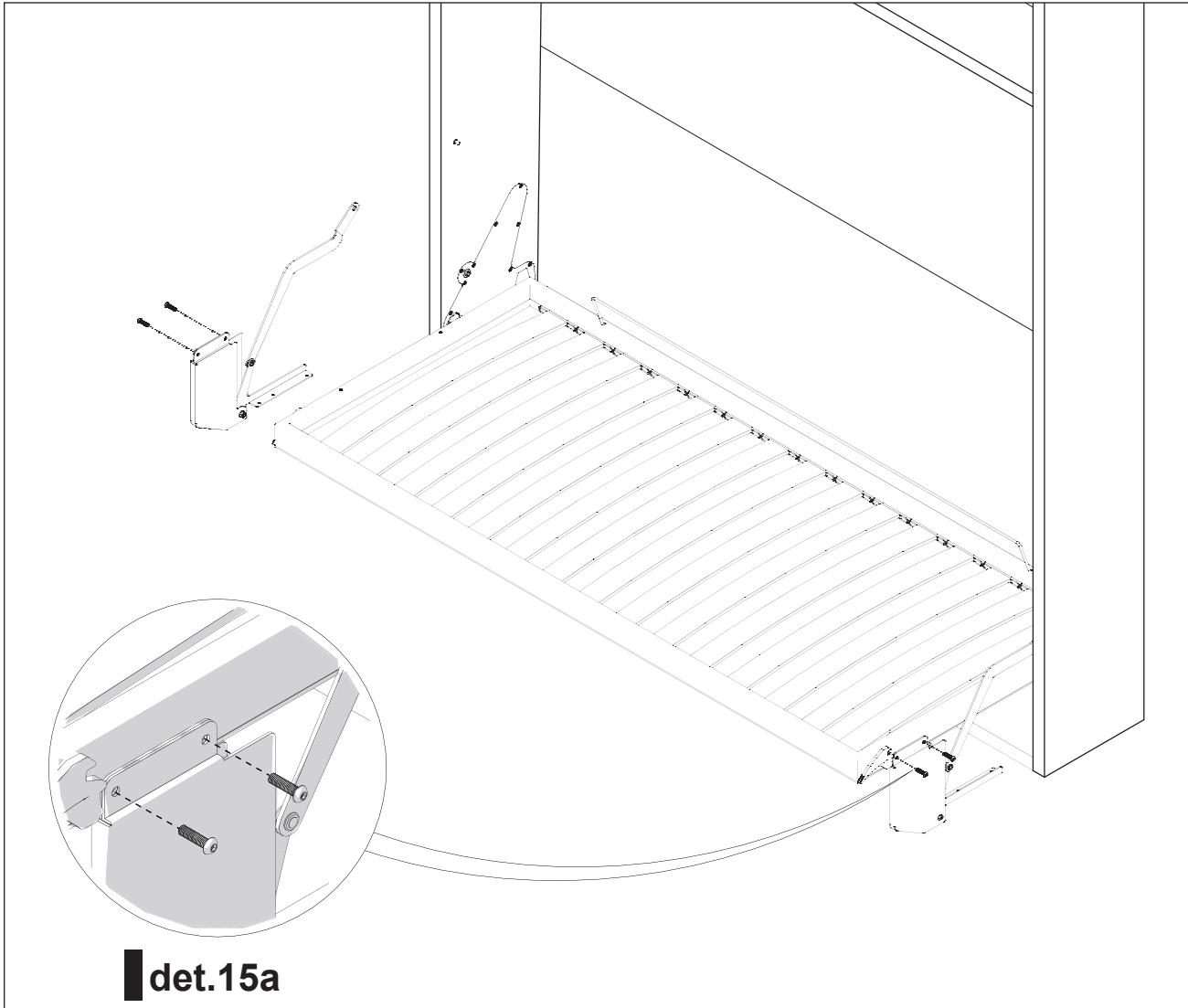
12

The padded bed frames on the upper bed frame lock into upright position. In order to close the bed frame, you must first fold down the barriers. Close the barriers at the head and the foot of the bed by pushing the button as shown to disengage the lock and safely fold the barriers down on to the mattress. Starting with the barriers on the long side of the bed, push the button as shown below to disengage the lock and safely fold the barriers down on to the mattress.



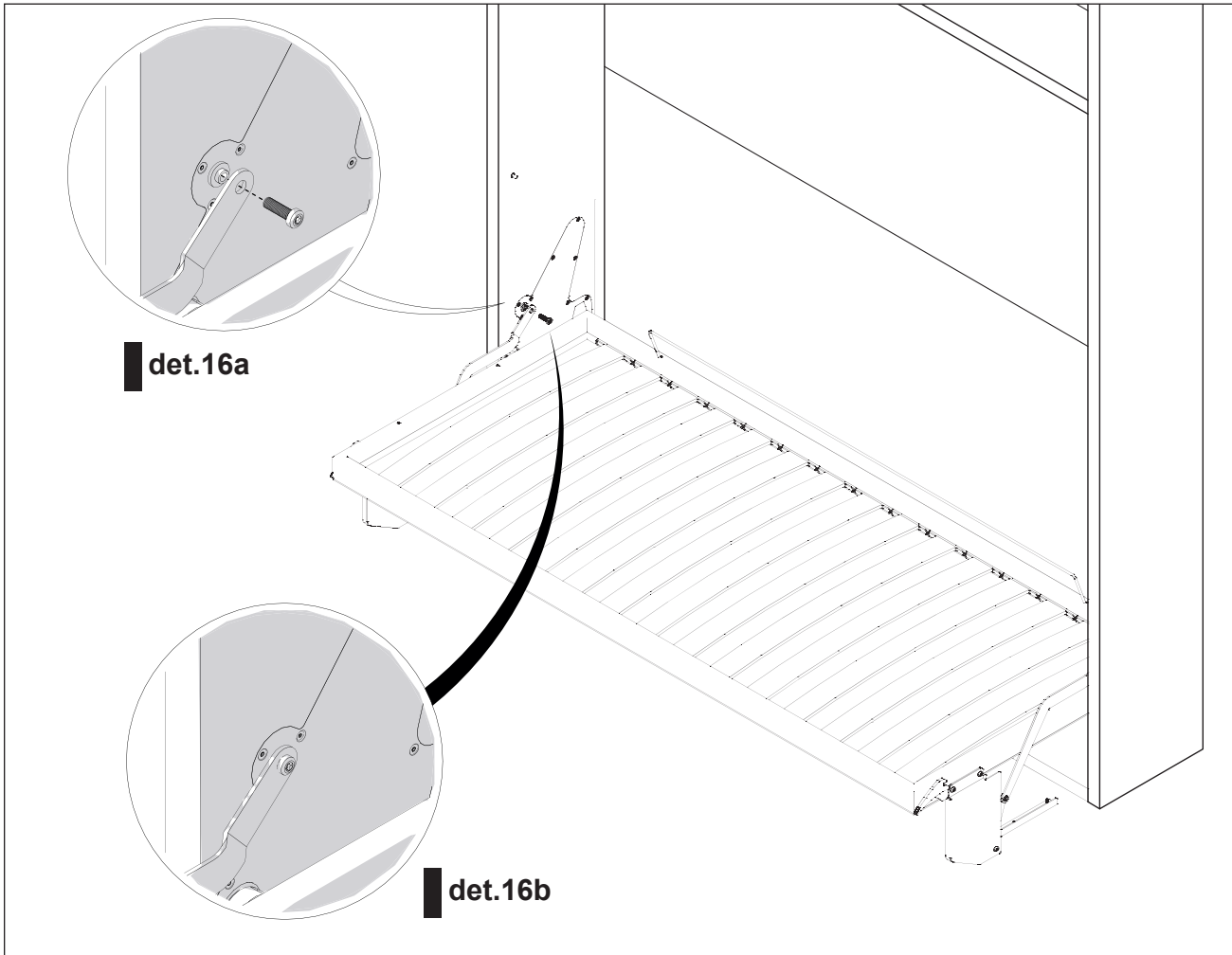
DESK INSTALLATION

- 13** Open the lower bed frame by pressing down on one of the two locking levers. Position the 18 desk brackets so that they face towards the structure, as shown below. Fasten the brackets to the bed frame with 4 E flanged screws, as shown in det. 15a.



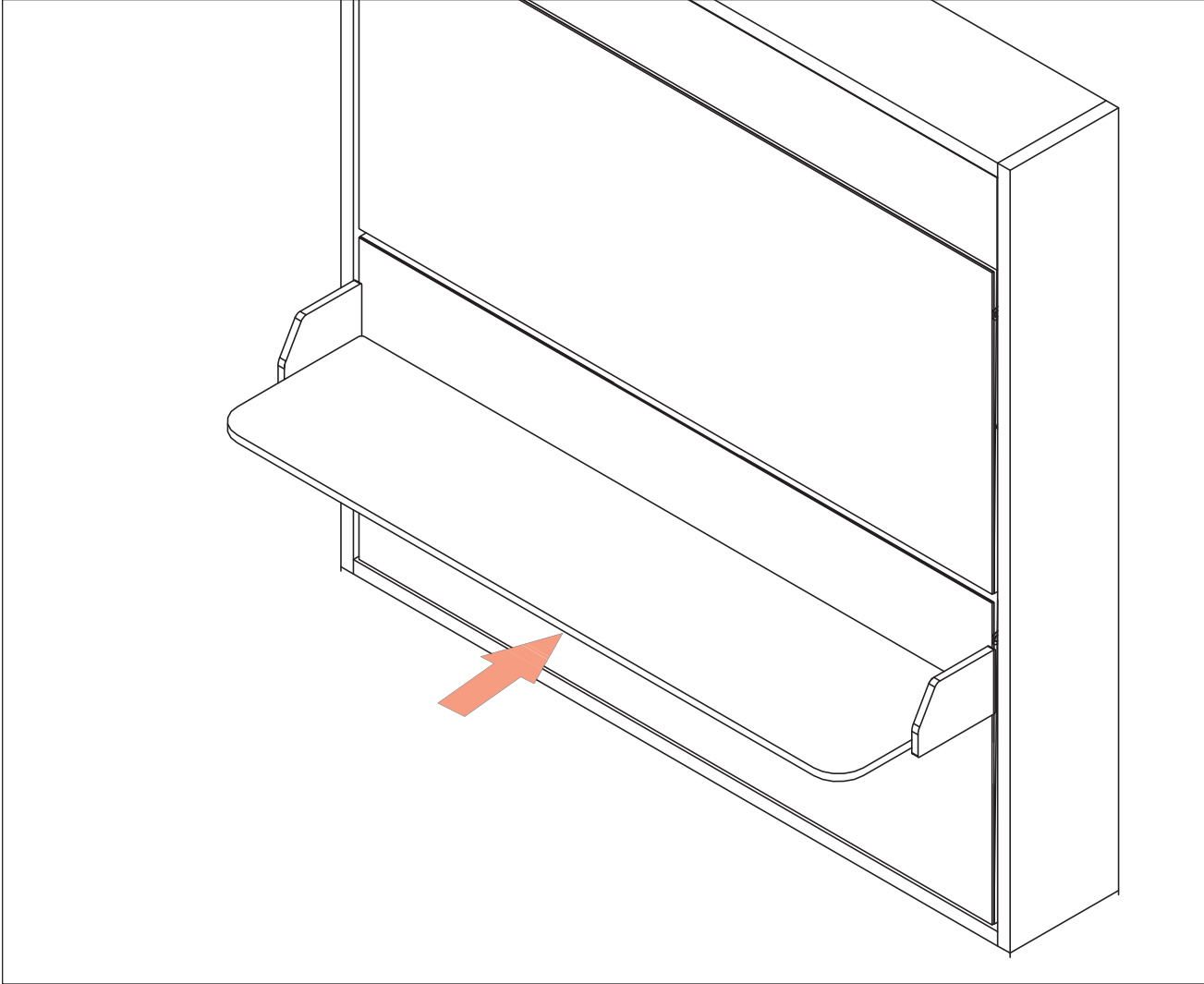
DESK INSTALLATION

- 14** Bring the two bracket arms to the vertical panels, aligning the holes. Place the F conical washer between each panel and L-shaped bracket as shown in det. 16a - the conical washer's smallest diameter should face away from the panel so that it can fit within the L-shaped bracket. Secure the L-shaped brackets in place by screwing in a G flanged screw into the brackets and panels, as shown in det. 16b.



DESK INSTALLATION

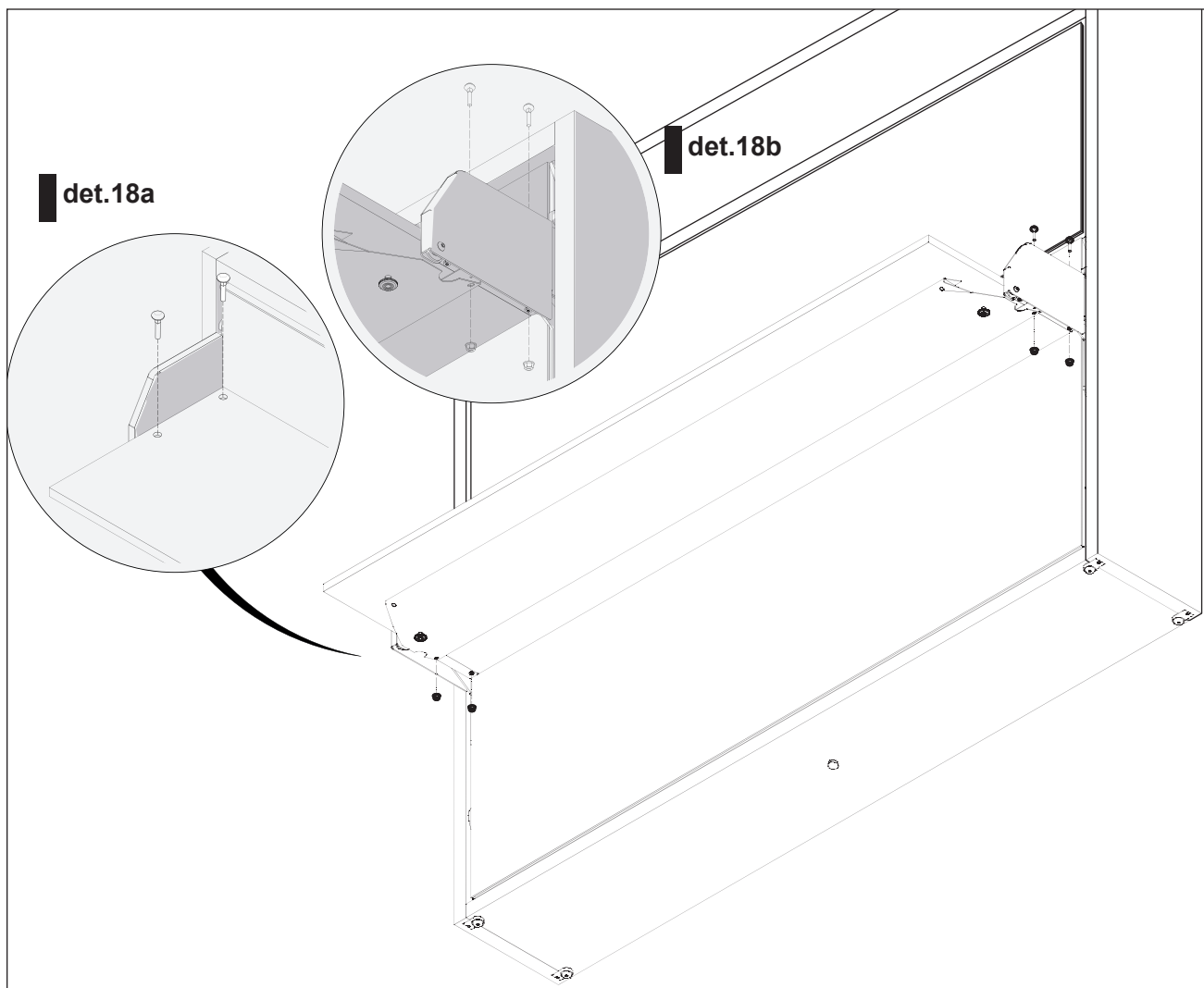
- 15** Close the lower bed frame. Position the 19 desk against the front of the structure so that it rests on top of the 18 brackets. The rounded corners should face outwards.



DESK INSTALLATION

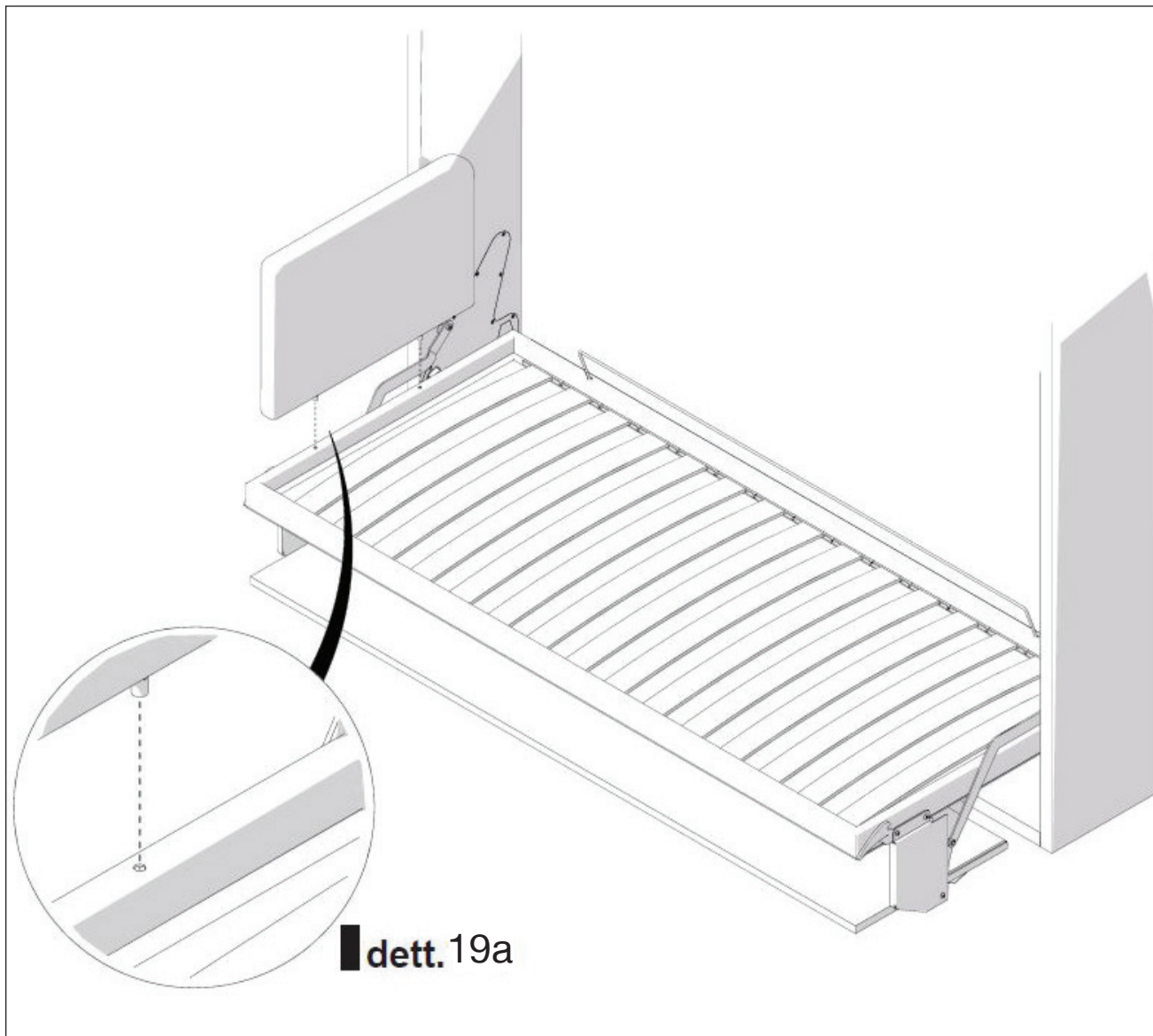
16

Insert 4 H bolts into the holes on the desk, making sure that they pass through both the desk and the bracket arms (det. 18a). Once the bolts have been inserted, attach 4 I nuts, as shown in det. 18b. Tighten the hardware so that the nut head sits within the hole of the desk. Insert 2 L screws into the two remaining holes on the underside of the desk.



BOTTOM HEADBOARD INSTALLATION

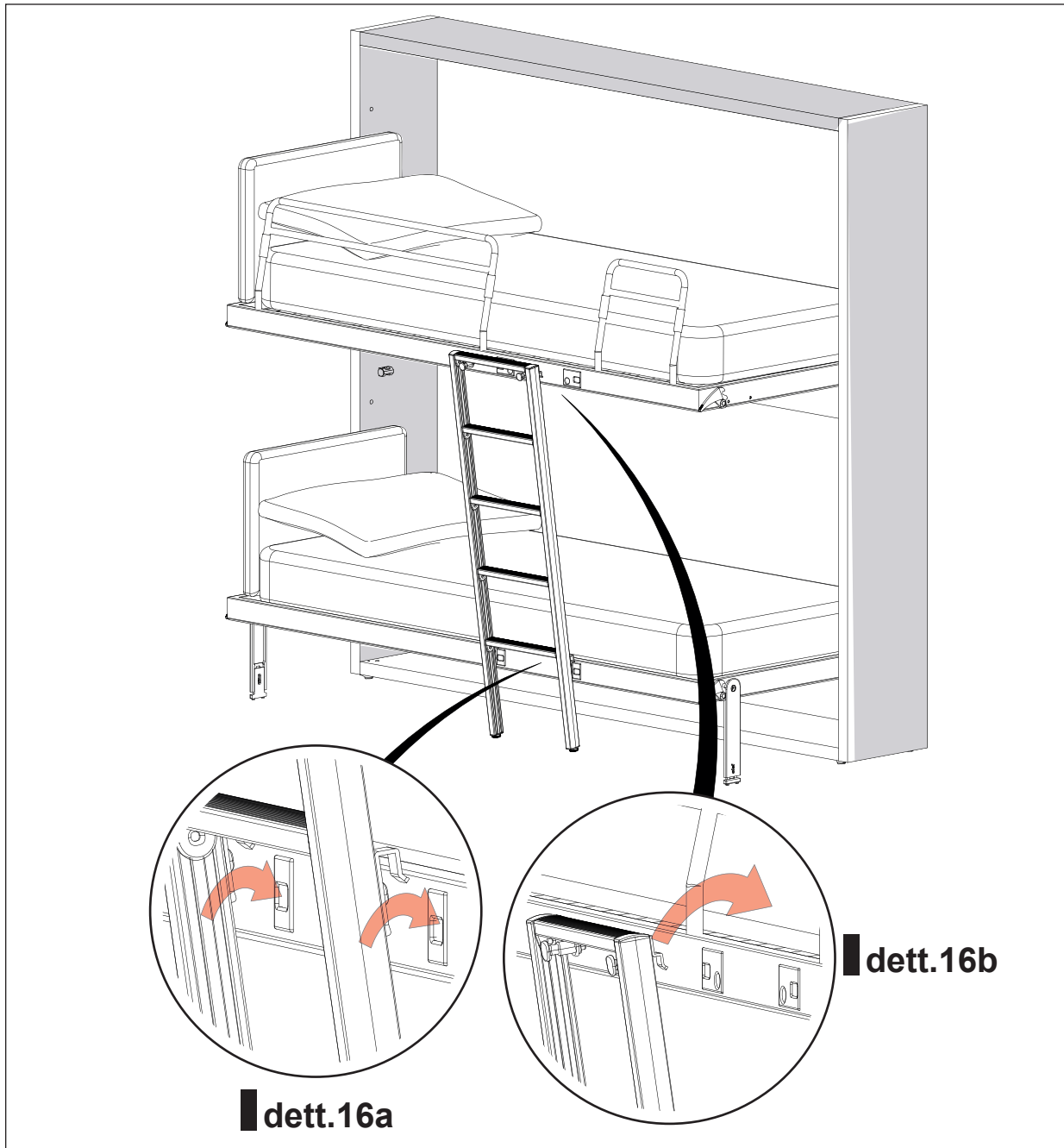
- 17** Remove the 2 caps from the end of the lower bed frame on which you wish to place the headboard. Fasten the headboard to the frame using the screws included with the headboard.



REMOVABLE LADDER

18

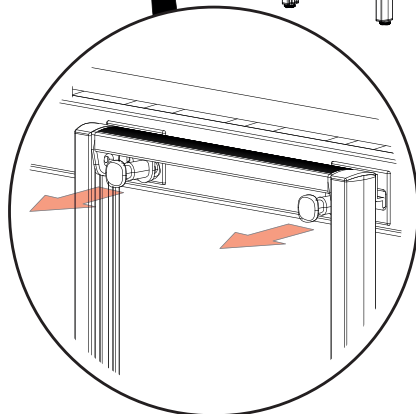
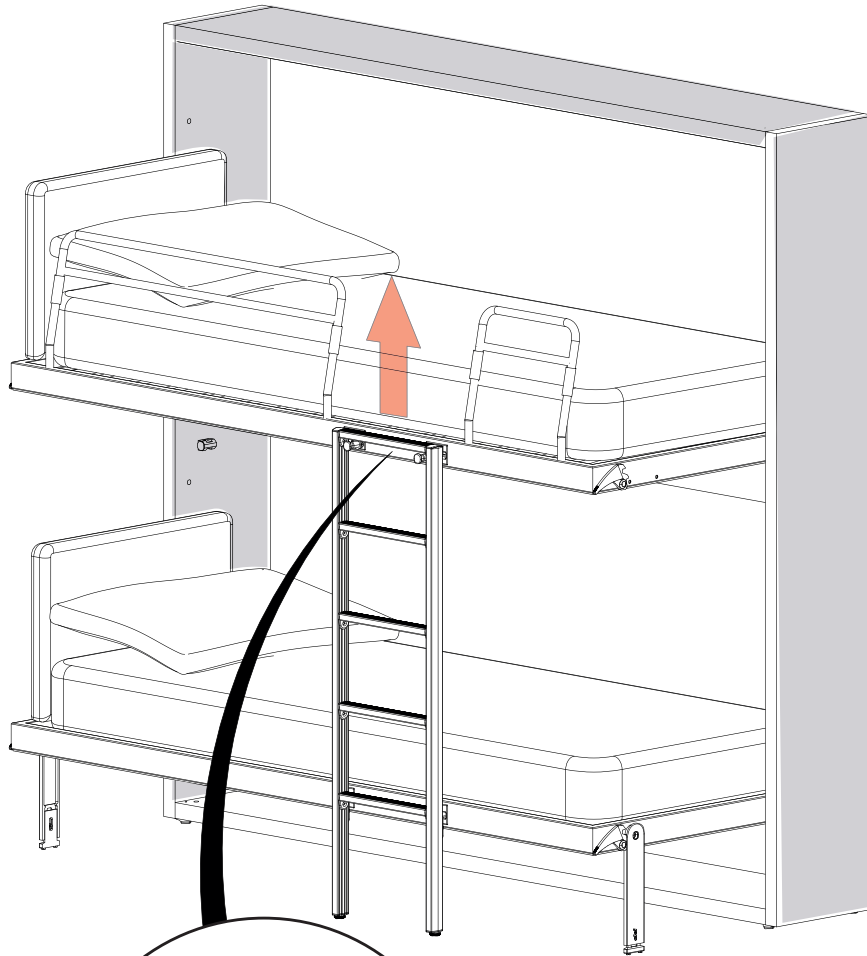
Ensure that both the upper and lower beds are open and locked in horizontal position. Position the ladder close to the metal slots on each bed frame (det. 16a). Gently tilt the ladder away from the structure, inserting the lower hooks into the slots on the lower bed frame (det. 16a). Straighten the ladder upright and insert the upper hooks into the slots on the upper bed frame (det. 16b). Pull the ladder down, ensuring that both the upper and lower mechanisms are locked securely. Adjust the height of the ladder by turning the feet at the bottom so that it stands level to the floor when in locked position. The ladder must be used if upper bunk is open.



REMOVABLE LADDER

19

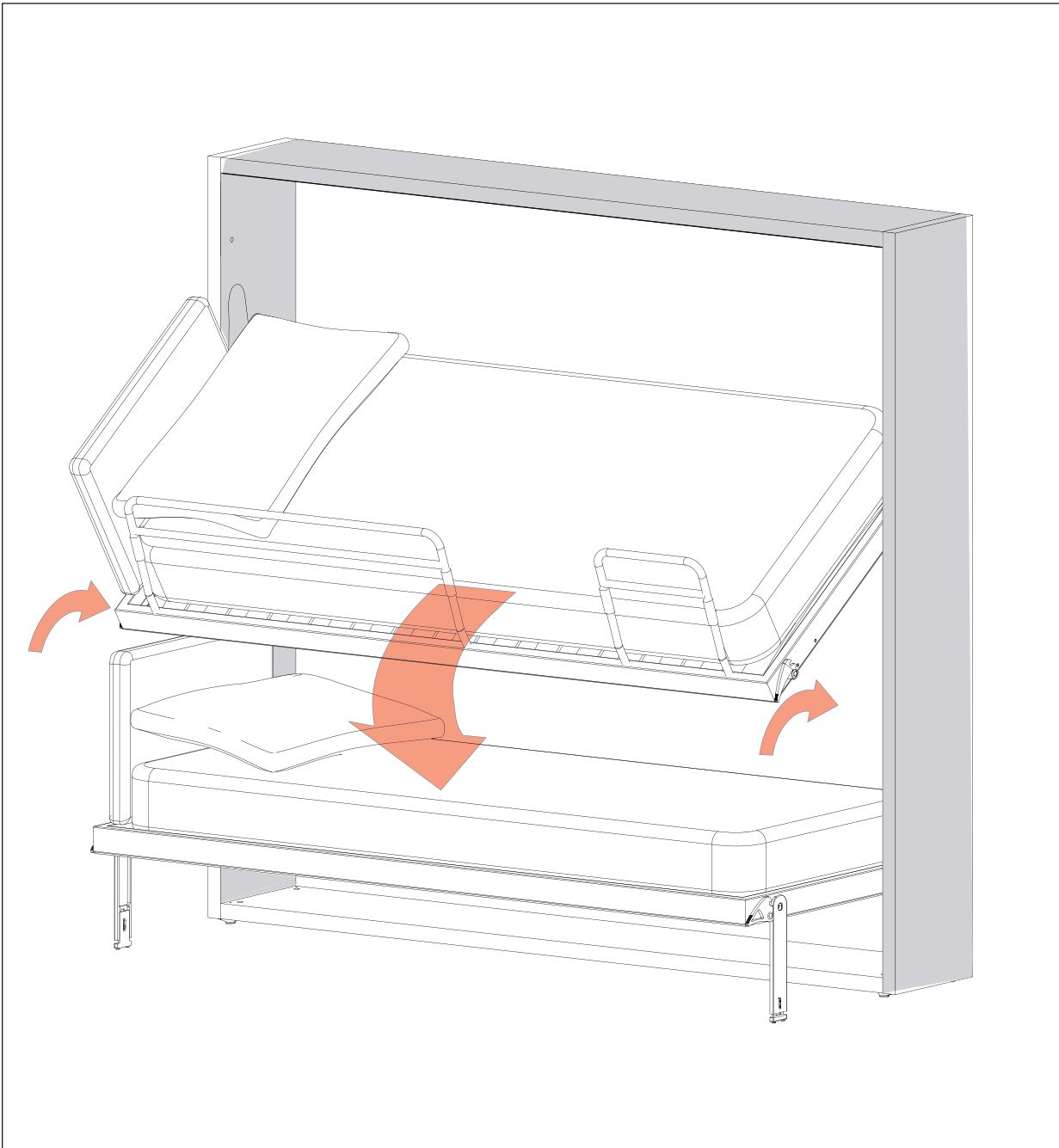
To remove the ladder from the structure, pull the two pins at the top of the ladder (det. 17a) to unlock the mechanism, while simultaneously pulling the ladder hooks up and away from the slots.



dett.17a

MAKING THE UPPER BED

- 20** The Kali Duo Board bunk-bed system contains a mechanism that allows the upper bed frame to tilt downwards so that it is easy to make the bed. When the upper bunk is in its horizontal position, press down on one of the two locking levers and gently pull the bed downwards. To bring the bed back to its horizontal position, press down on one of the two locking levers and lift the bed upwards until it locks in place.



SAFELY OPERATING YOUR KALI DUO BOARD BED

OPENING YOUR KALI DUO BOARD BED

1

Locate the levers on either side of the beds.

2

Release latch on either side of the beds with one hand, holding the top of the bed panel with the other.

Gently **pull the beds down** into their locked, horizontal positions.

3

Raise the upper padded barriers and bottom headboard, making sure all of the upper barriers lock in place.

4

Ensure that both the upper and lower beds are open and locked in horizontal position. Position the ladder at the metal slots on each bed frame.

Gently tilt the ladder away from the structure, inserting the lower hooks into the slots on the lower bed frame (detail A).

Straighten the ladder upright and insert the upper hooks into the slots on the upper bed frame (detail B).

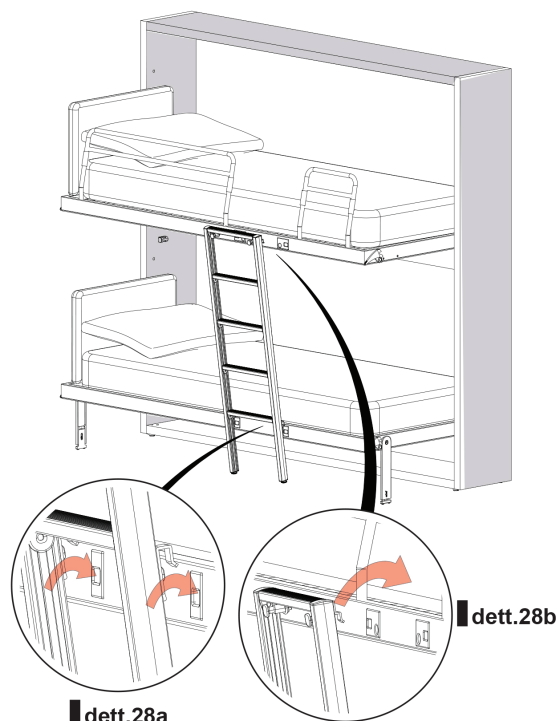
Pull the ladder straight down, ensuring that both the upper and lower mechanisms are locked securely.



The ladder must be locked in place if the upper bunk is open.

5

See you in the morning!



SAFELY OPERATING YOUR KALI DUO BOARD BED

CLOSING YOUR KALI DUO BOARD BED

1

Remove bed pillows and tuck bedding in on all sides around and under the mattress

Latch both mattress straps over the bedding.



2

Remove ladder from structure by **pulling the two pins** at the top of the ladder (detail A) to unlock the mechanism, while simultaneously **pulling the ladder hooks up and away** from the slots.

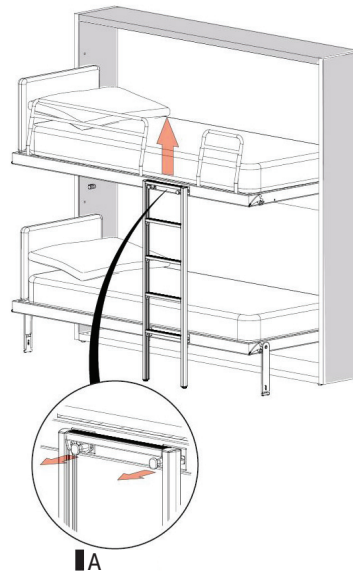


You must fold down the barriers and bottom headboard in order to close the bed frame into the structure.

3

Starting with the barriers on the long side of the bed, **push the button** as shown below to disengage the lock and **fold the barriers down** on to the mattress.

Close the barriers at the head and the foot of the bed using the same method.



4

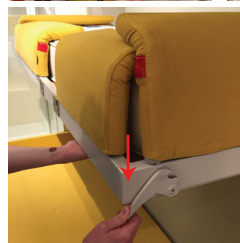
Remove bed pillows and tuck bedding in on all sides around and under the mattress

Latch both mattress straps over the bedding.

Release the latch on either side of the bed with one hand, and **lift the bed** up into its upright position with the other hand.











Just one more thing: You can stand on principle.



NOTE: Your Kali Duo Board is designed so that most bedding can remain on the bed when closed. If you experience difficulty closing the bed, your bedding might be too thick.

WARNING PAGE PROVIDED BY MANUFACTURER

TRANSFORMING SYSTEM ASSEMBLY AND SAFETY CAREFULLY READ BEFORE PROCEEDING!

-  Follow with care all points of the assembly procedure, as per technical sheets and their sequence showed in the following pages, and all the safety rules indicated.
-  It is compulsory to fasten the product to intact and strong walls, by not less than 4 fixing points, and place it on perfectly levelled floors.
-  A hardware kit for assembly is supplied, but it does not include plugs for anchoring product to wall, because, to guarantee safety, they must be provided by the installer according to the kind of wall where the product is fixed to, and that manufacturer unknowns.
-  Installer is responsible for workmanlike assembly and test of the product.
-  Installation must be fulfilled by professional and skilled workers; we suggest installer to previously inspect the status of the wall where the product will be fixed to.
-  An incorrect installation may cause incidents and injuries to the final user. Clei is not responsible for any possible alterations, tempering and changes on the transforming system by third parties. Clei refuses any kind of responsibility for improper use of this transforming system like incorrect handling, as well as for any kind of incompetence and negligence by installer and final user.
-  When the transforming system is combined in a composition with cabinets, wardrobes, storage units or bookcases, these elements must be anchored to wall by an independent fastening respect to the one of the transforming system.
-  In case of re-assembly of the product, it is not possible to use the same holes drilled for the original installation. As a result, it is compulsory to place the plates and the plugs selected and used by the installer in a different position.

CLEI REFUSES ANY KIND OF RESPONSIBILITY FOR ASSEMBLIES NON-COMPLIANT TO THE INSTRUCTIONS AND PROCEDURES DESCRIBED IN THE PRESENT ASSEMBLY MANUAL.

CLEI SYSTEM MATERIAL REQUIREMENTS

Attention to environmental issues and therefore our commitment to green design are our organization's competitive advantages. We design and make our products choosing materials that have a low impact on the environment and bearing in mind methods for reducing consumption of materials and waste as well as energy savings. All the products in our collections, therefore, provide for use of CARB2 certified eco-panels, with laser welded edges that are thus without glue, and water-based paints that reduce emissions of harmful substances by 95% compared to solvent-based paints. Ecology and safety guide our choices. All our suppliers are also involved in this policy, with a view to extending the useful life of our products, reducing consumption and increasing environmental quality.

CARB2

Clei uses CARB2 certified panels with extremely low emissions of formaldehyde. The specific E-LE classification guarantees that the formaldehyde content is limited to the quantity naturally contained in wood.

WATER-BASED PAINTS

Clei uses only water-based paints that drastically cut emissions of VOCs (Volatile Organic Compounds) as compared to solvent-based paints. Additionally, water-based paints are odourless, non-flammable and have very low toxicity. Water-based paints conform to the safety standards of furnishing articles and to the directives concerning toys EN 71.3, in other words materials that may occasionally come into contact with children's mouths.



CARBON FOOTPRINT

The "Carbon footprint" of a company is its ecological profile, that is the environmental impact that can be attributed to the products that it offers on the market. Environmental impact can be measured by assessing factors such as intelligent use of resources, how recyclable they are, and how long the finished products last. Moreover, there is another factor that is set to become increasingly more important, and that is the reduction of living spaces. While cities grow, apartments become smaller, and therefore both necessity and practical considerations make Clei transforming furniture ideal for making the most of small-sized housing structures. It's a simple equation: smaller sizes mean lower consumption of materials, and therefore a lower impact on the environment.



100% MADE IN CLEI

It's very easy to say "Made in Italy". But we can go further, proudly stating that our products are totally made in Clei. This means absolute safety with regard to materials and the quality of processing. But also social strength and support with a guarantee of employment.



100%
MADE IN CLEI

