

EVÖK 150KD-02

PAR / BY 

INSTALLATION INSTRUCTIONS - HORIZONTAL WALL BED KIT



**SAFETY WARNING - REVIEW
INSTRUCTIONS COMPLETELY
PRIOR TO ASSEMBLY**



SAFETY WARNINGS

This product is designed only for specific applications as defined in the instructions and should not be modified or used for any manner not described in these instructions. Use only recommended accessories. Before using the EVOK 150 Horizontal Wall Bed Kit: **READ, UNDERSTAND** and **FOLLOW ALL INSTRUCTIONS AND SAFETY WARNINGS. KEEP THESE INSTRUCTIONS READILY AVAILABLE FOR FUTURE REFERENCE.**

PRODUCT SPECIFIC WARNINGS

1. TO AVOID THE RISK OF SERIOUS INJURY, DO NOT ALLOW CHILDREN TO PLAY ON THE BED UNIT OR OPERATE IT WITHOUT ADULT SUPERVISION.
2. You **MUST** have another **ADULT** help you while installing your EVOK 150 Horizontal Wall Bed Kit to make sure the bed does not close inadvertently while you are working. Failure to do so increases the risk of serious injury.
3. You **MUST** install **ALL** of the 1/4" x 3" Washer Head Lag Bolts into 2 x 4 or larger wooden wall studs. Failure to secure the unit into wooden wall studs increases the chance that the bed cabinet will detach and tip over, potentially resulting in serious injury.
4. Cabinets for horizontal Single and horizontal Double beds **MUST** be secured, using all required hardware, to at least two (2) wall studs; cabinets for horizontal Queen beds **MUST** be secured to at least three (3) wood wall studs.
5. Wall Bracket (P) and lag bolt placement on images in these instructions is for illustration purposes only. To avoid the risk of serious injury, you must correctly place and securely attach Wall Brackets and lag bolts to wooden studs in your wall.
6. Do **NOT** use wall anchors or drywall anchors.
7. Do **NOT** install against brick or masonry walls or walls with metal studs.
8. The bed will not stay down without the weight of the mattress and panels. Operating the bed mechanism without a mattress in place risks sudden closing, entrapment and serious personal injury.
9. Do **NOT** use an impact driver to drive fasteners; the added torque increases the risk of stripping the pilot hole and weakening connections. Do **NOT** overtighten screws.
10. Do **NOT** stand on the bed without an adult helper holding it down to prevent it from lifting up.
11. Do **NOT** deviate from the required interior cabinet opening dimensions listed for the bed size you will be building. An improperly sized bed cabinet could create a safety hazard and result in serious personal injury.
12. Do **NOT** modify the recommended design of the bed cabinet to eliminate an Upper and/or Lower Headboard. Such modifications could allow it to more easily detach from the wall, causing serious injury.
13. Do **NOT** construct the cabinet from MDF, particleboard or melamine coated MDF particleboard. The decreased screw-holding ability of these materials increases the risk of cabinet joint failure and serious personal injury.
14. Do **NOT** use a foam or very light mattress with this product. See required weight specifications below.

Bed Size	Max. Mattress Size	Max. Mattress Weight	Max. Mattress Thickness	Max. Load Rating		Suggest. Dynamic Weight***
				Dynamic*	Static**	
Single	39 x 75 in (991 x 1905mm)	66 lbs (30kg)	10 in (254mm)	300 lbs (136kg)	1000 lbs (453kg)	225-300 lbs (102kg-136kg)
Double	54 x 75 in (1372 x 1905mm)	99 lbs (45kg)	10 in (254mm)	345 lbs (156kg)	1000 lbs (453kg)	265-345 lbs (120kg-156kg)
Queen	60 x 80 in (1524 x 2032mm)	132 lbs (60kg)	10 in (254mm)	395 lbs (179kg)	1000 lbs (453kg)	280-395 lbs (127kg-179kg)

*Includes weight of bed cabinet door panels, mattress, hardware and bedding

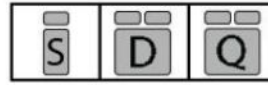
**Includes weight of cabinet doors, mattress, hardware, bedding and users

***Based on cabinet door weight of 2.5 lbs (1.1kg) to 4.8 lbs (2.1kg) per board foot

Hardware

Please ensure you have located all hardware prior to starting

S = Single
D = Double
Q = Queen



A	Left bar of the frame
B	Pistons
C	Right bar of the frame
D	Mounting plates (left & right)
E	Lateral Supports
F	Center frame Support with slat holes
H	Center frame Supports
HH	Brackets to attach wall bed to wall
I	Left-Right Foot Bar
J	Saddle locking plates
K	Front & Back frame bars
L	Door Brackets
M	Mattress supports
N1	Slats
N2	Slat caps
N3	Double Slat caps
O	Legs (left & right)
R	Wrench

x1	x1	x1
x2	x2	x2
x1	x1	x1
x2	x2	x2
x4	x4	x4
x2	x2	x2
x1	x1	x1
x3	x3	x3
x1	x1	x1
x2	x2	x2
x2	x2	x2
x8	x16	x16
x2	x2	x2
x40	x40	x42
x40	x40	x42
x20	x20	x21
x2	x2	x2
x1	x1	x1



M



N1



N2



N3



O



R



A



E



I



B



F



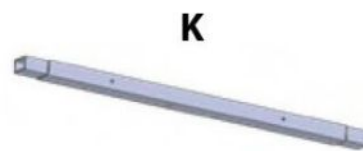
J



C



HH



K



D



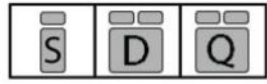
H



L

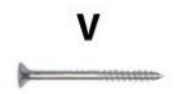
Hardware (cont.)

S = Single
D = Double
Q = Queen



AA	M6 x 30mm bolts
BB	M8 x 45mm bolts
CC	Temporary stoppers (styrofoam)
DD	Nylon washers (for pivoting legs)
EE	M5 nut (for saddle lock)
FF	M8 locking nut
GG	Frame joint adaptor
II	Allen head screws
JJ	#12 x 3/4" washer head screw
KK	1/4" x 3" washer lag screw
LL	M6 x 12mm bolts
MM	M6 x 15mm bolts
NN	Allen key #4
OO	M6 nut
S2	Allen key #5
T	Threaded inserts
U	M8 x 16mm bolts
V	#10 x 55mm screws
W	#8 x 15mm screws
Z	M5 x 15mm screws

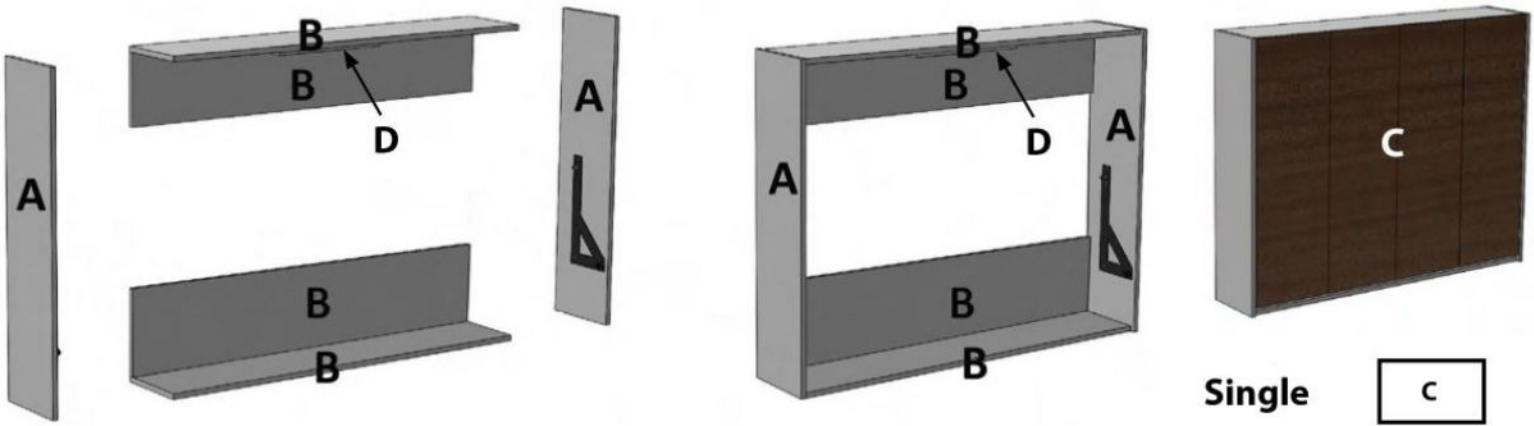
x4	x4	x4
x22	x22	x22
x2	x2	x2
x4	x4	x4
x2	x2	x2
x28	x28	x28
x4	x4	x4
x3	x3	x3
x6	x6	x6
x6	x6	x6
x32	x32	x32
x2	x2	x2
x1	x1	x1
x6	x6	x6
x1	x1	x1
x16	x16	x16
x16	x16	x16
x32	x32	x32
x40	x56	x56
x2	x2	x2



The bed must be secured to the wall into wood studs.
 The warranty covers the replacement of parts with manufacturing defects and/or breakage caused by regular use. It does not cover damage caused by improper installation or misuse of the product. Professional installation strongly suggested.

Horizontal Wall Bed

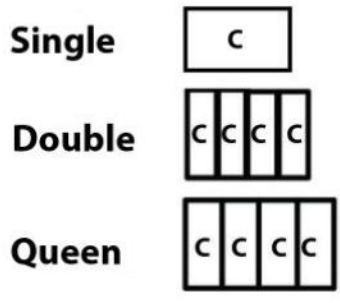
Cabinet Components-Table



A= Exterior
B-C-D = Inset



The respect of the internal dimensions are crucial to safety and optimal bed functionality.



	Inside Measurements					
	Width		Depth		Height	
	mm	in	mm	in	mm	in
Single	1985	78 1/8	368	14 1/2	1019	40 1/8
Double	1985	78 1/8	368	14 1/2	1426	56 1/8
Queen	2165	85 1/4	368	14 1/2	1578	62 1/8

	Inside Measurements					
	Width		Depth		Height	
	mm	in	mm	in	mm	in
Single	2023	79 5/8	406	16	1057	41 5/8
Double	2023	79 5/8	406	16	1464	57 5/8
Queen	2203	86 3/4	406	16	1616	63 5/8



Do NOT use MDF, particleboard or melamine-coated MDF particleboard

Single

#	QTY	Width		Length		Thickness	
		mm	in	mm	in	mm	in
A	2	406	16	1052	41 5/8	19	3/4
B	2	406	16	1985	78 1/8	19	3/4
C	1	1979	77 3/4	1011	39 13/16	19	3/4
D	1	76	3	1321	52	19	3/4

Double

#	QTY	Width		Length		Thickness	
		mm	in	mm	in	mm	in
A	2	406	16	1464	57 3/4	19	3/4
B	4	406	16	1985	78 1/8	19	3/4
C	4	484	19 7/16	1418	55 15/16	19	3/4
D	1	76	3	1321	52	19	3/4

Queen

#	QTY	Width		Length		Thickness	
		mm	in	mm	in	mm	in
A	2	406	16	1616	63 5/8	19	3/4
B	4	406	16	2165	85 1/4	19	3/4
C	4	537	21 1/8	1570	61 13/16	19	3/4
D	1	76	3	1422	56	19	3/4

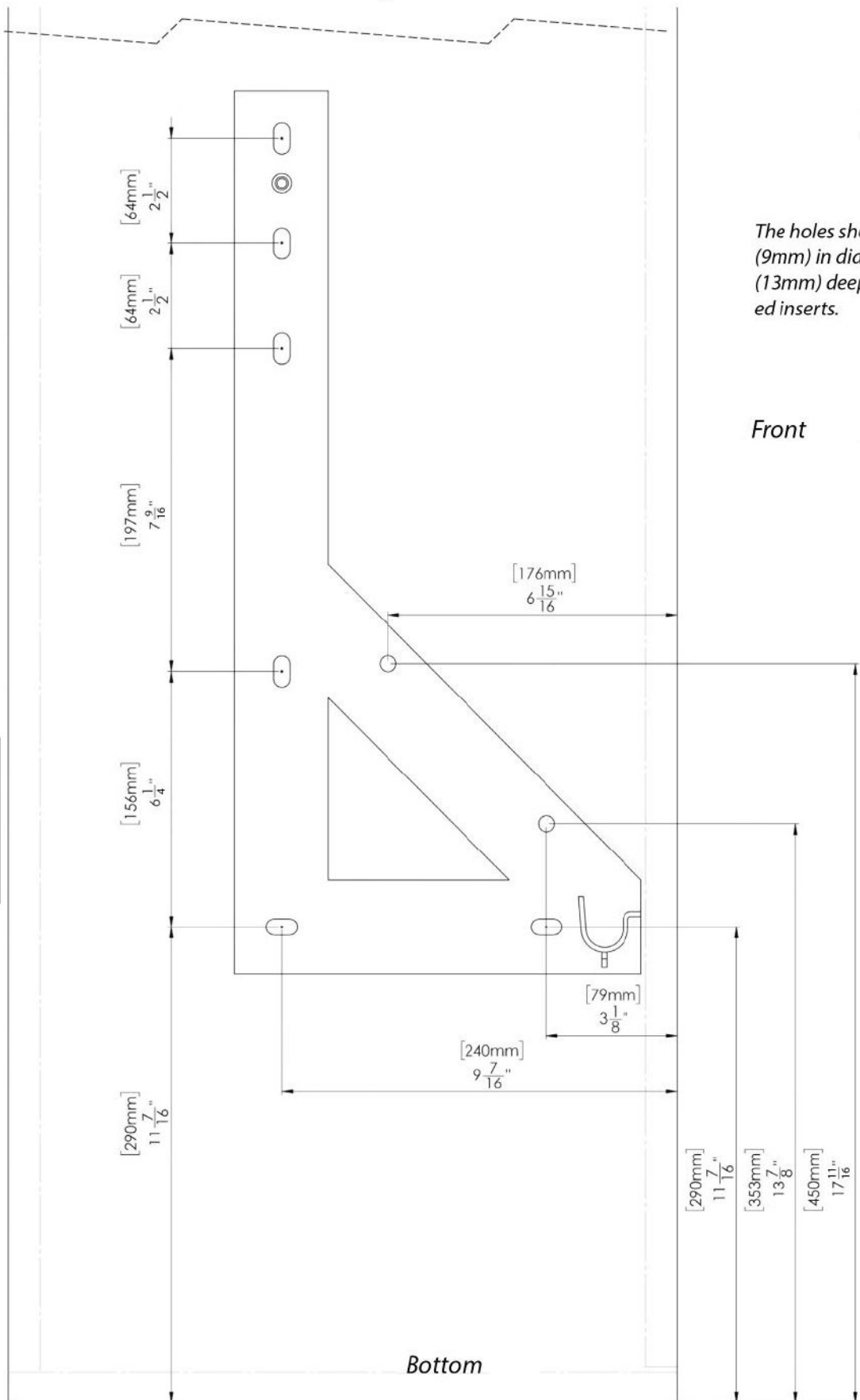
Drilling Guide

Back

Front

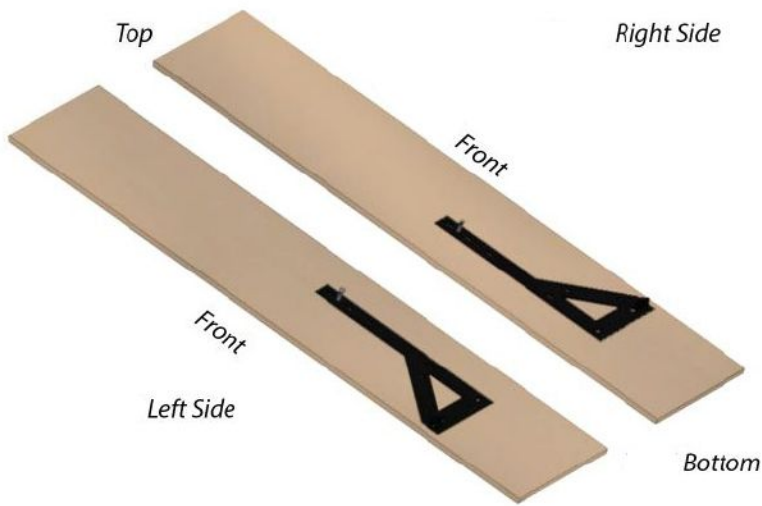
The holes should be 3/8" (9mm) in diameter and 1/2" (13mm) deep for the threaded inserts.

!
Do not install this bracket with wood screws. It is important to install all provided inserts as well as using the correct bit size for the hole.



Bottom

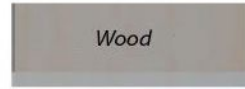
1 INSTALLING THE MOUNTING BRACKETS



U =  x16

D =  x2

T =  x16

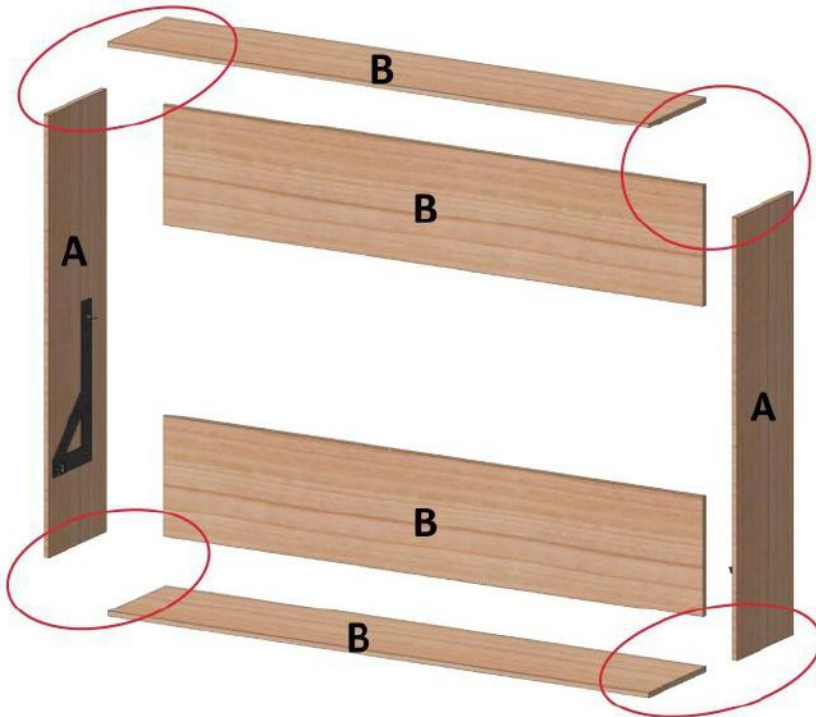


T + U



Do not install this bracket with wood screws.

2 ASSEMBLING THE CABINET



Please use appropriate hardware to assemble these corners according to the material used.

* See conversion guide for suggested cabinet dimensions.

3 SECURING TO THE WALL

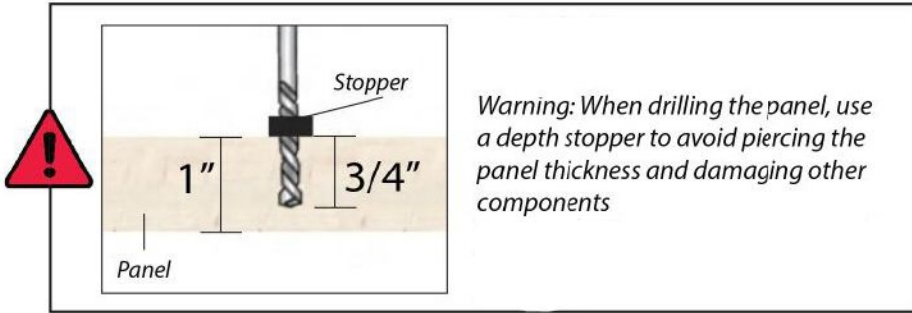
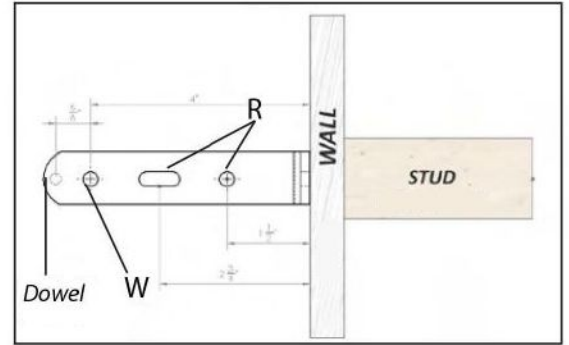
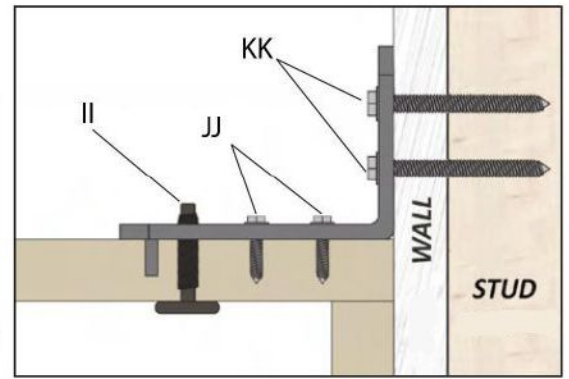


• **Professional installation recommended**

The cabinet needs to be secured to at least 2 wood studs. (3 studs for the queen size)

Do **NOT** use **any sort of wall anchors**

Each Wall Bracket (HH) must be mounted flush on the cabinet top and flush to the wall with no gap. All six screws must be used. Failure to do so increases the risk of cabinet failure and serious personal injury.



Warning: When drilling the panel, use a depth stopper to avoid piercing the panel thickness and damaging other components

Drill pilot holes 3" deep with 5/32" bit.



Drill pilot holes 3/4" deep with 1/8" bit.



HH

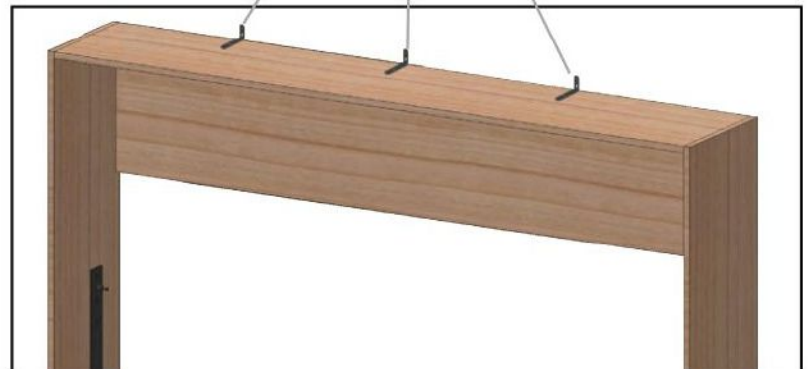


Pin goes directly into the wood top. Drill holes 3/8" deep with 13/64" bit.

II



T goes through wood into threaded hole in HH. Use 1/4" bit for hole.



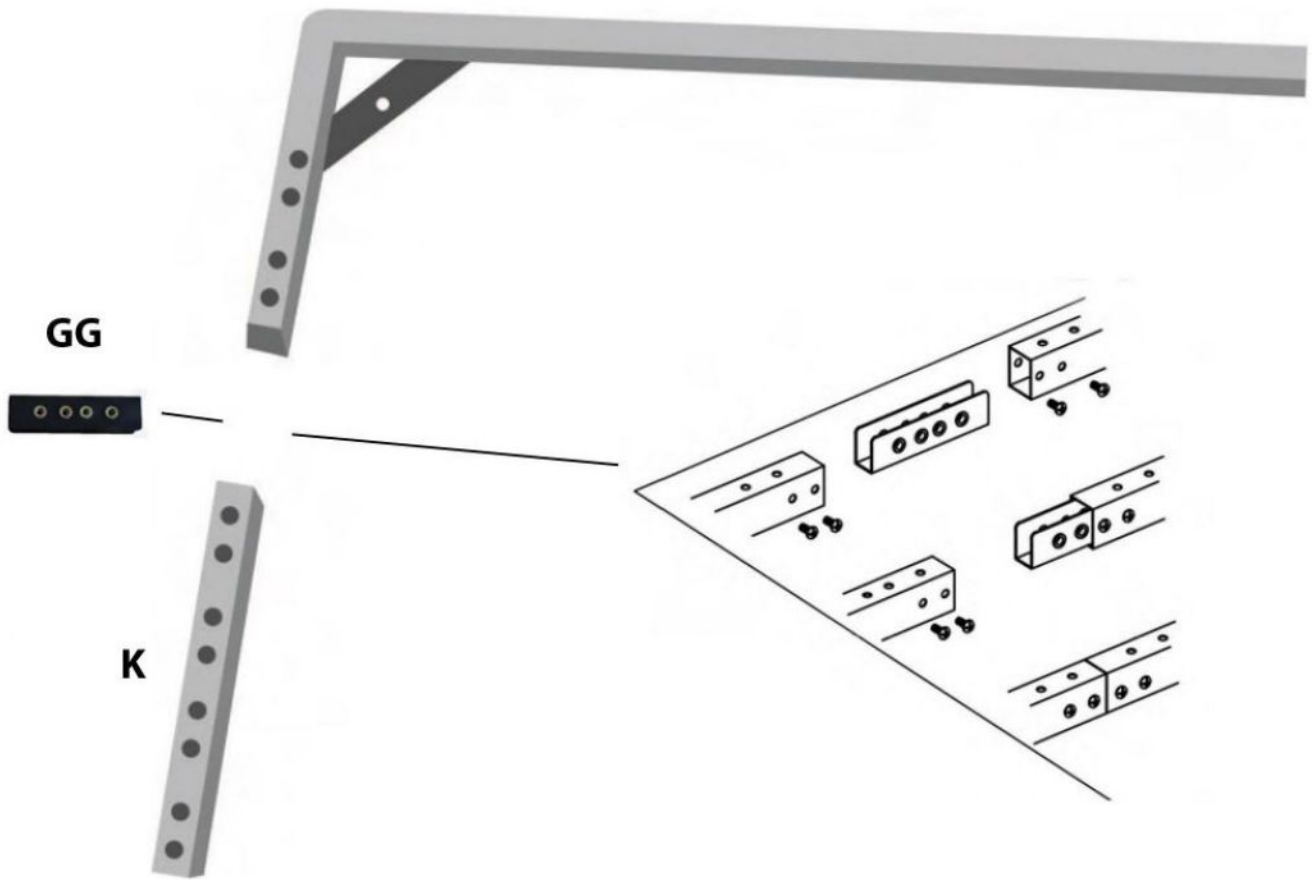
- T =  X2 (X3 Queen)
- II =  X2 (X3 Queen)
- JJ =  X4 (X6 Queen)
- KK =  X4 (X6 Queen)

4 ASSEMBLING THE FRAME

Insert **GG** into **K** with both **A** & **C**
(follow the diagram in the middle).

LL=  x 32

8 BOLTS EACH. REPEAT 4 TIMES

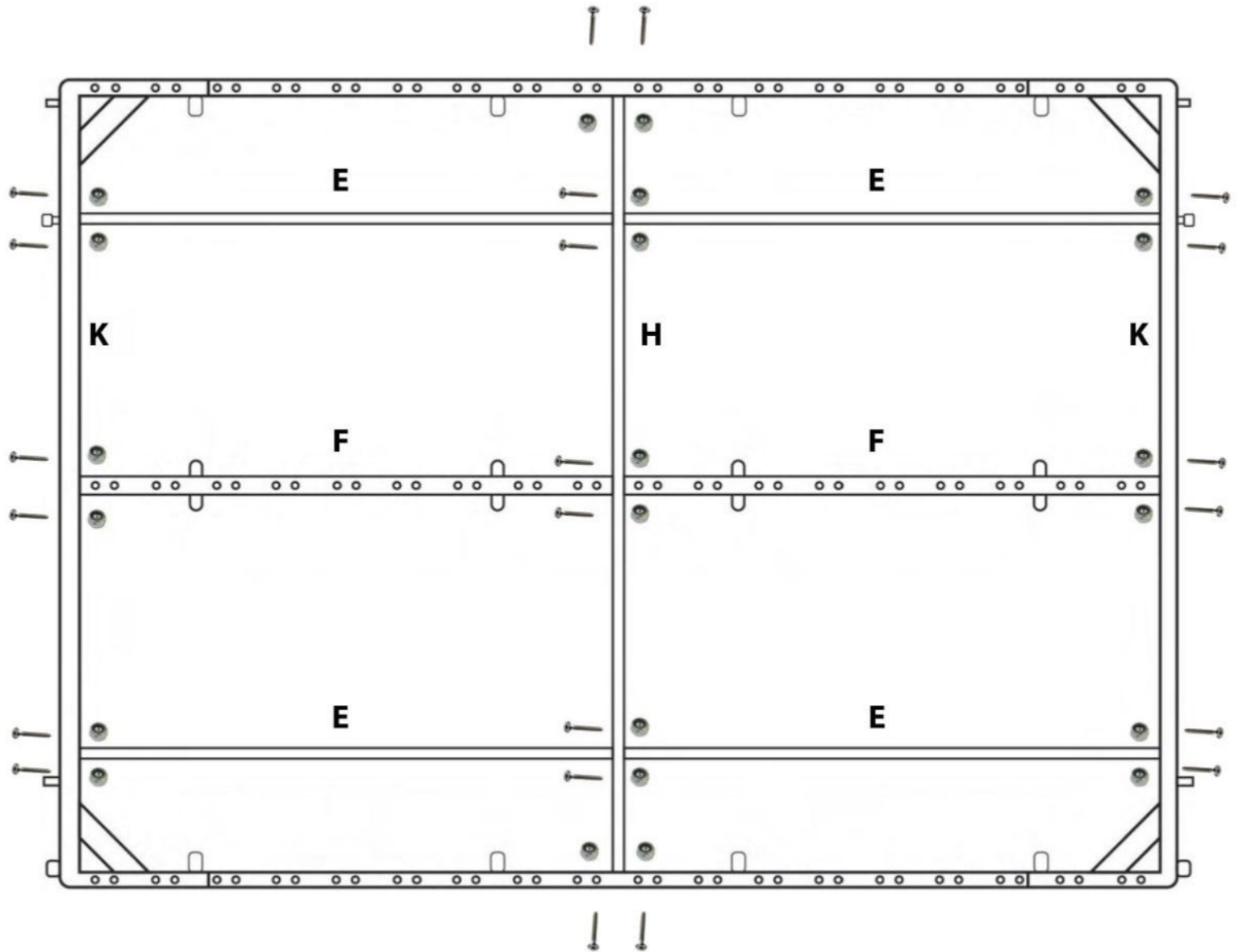


Tabs should be flat on the ground

IMPORTANT, do not FULLY tighten all fasteners on the bed frame until you have completed step 4.2

4.2

Place **F** & **E** on the inside of your structure then attach **F** & **E** to **H** and also to **K**.



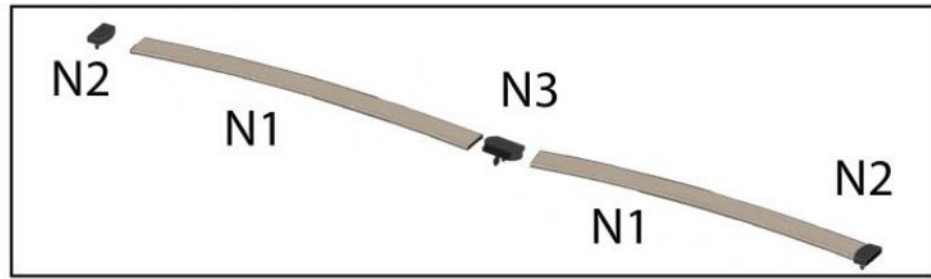
5 INSTALLING THE SLATS

S & D Q

N1  x32 x36

N2  x32 x36

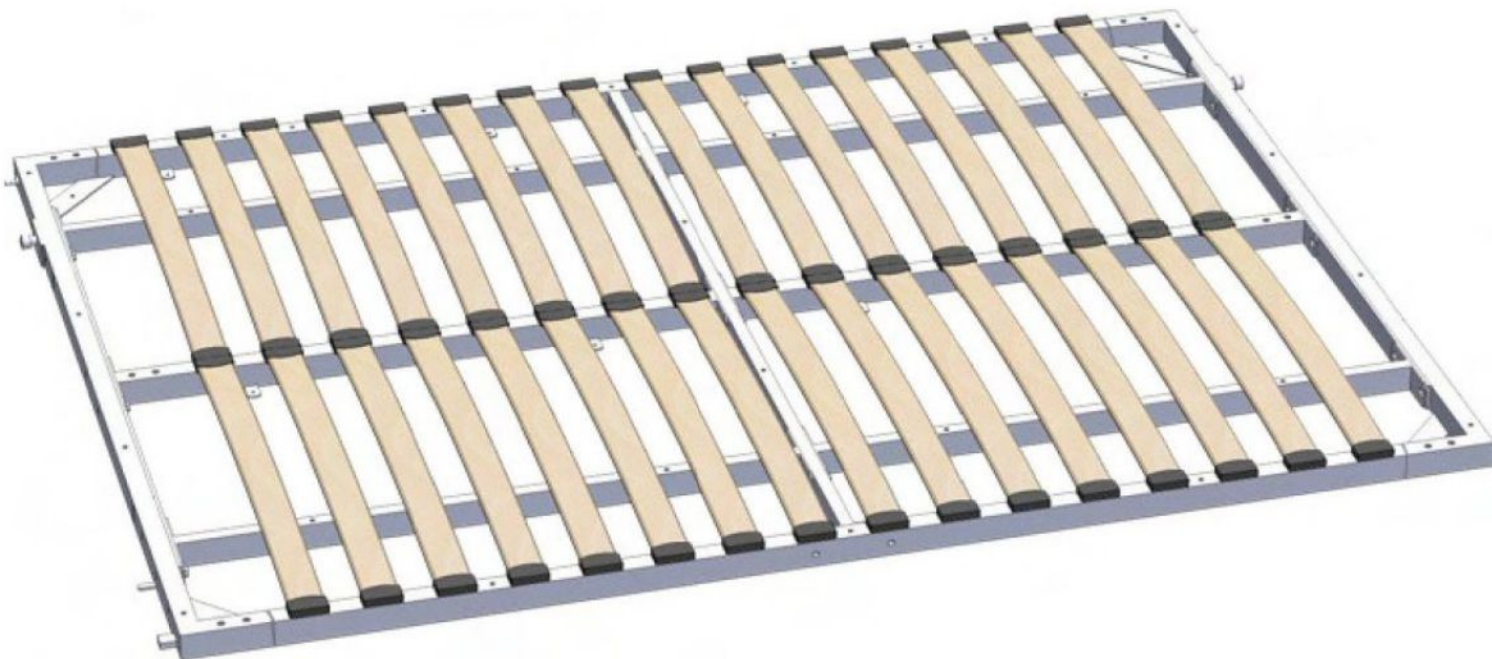
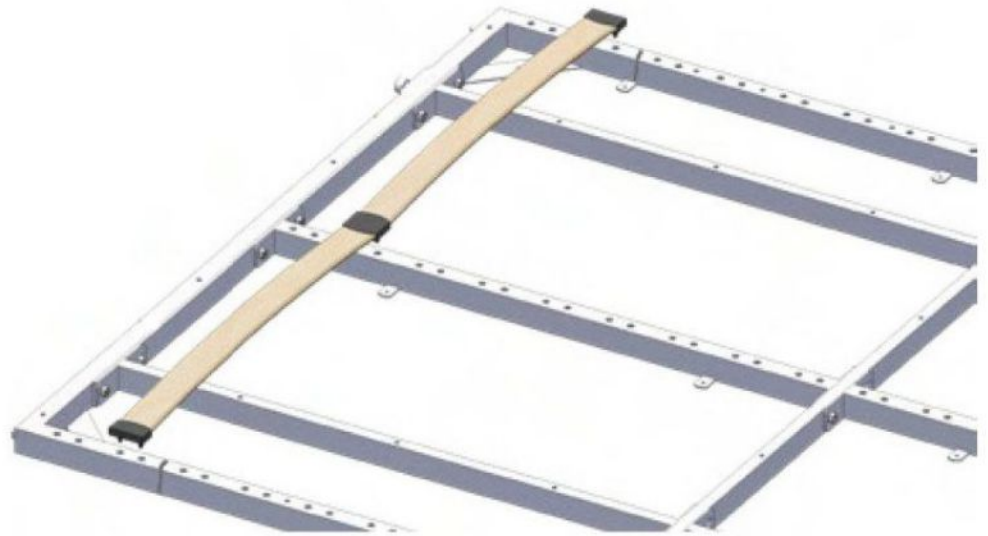
N3  x16 x18



Place **N2** on one end of each slat **N1**.
Attach two slats together with **N3**.
Insert **N2** and **N3** into their designated
holes along the frame.

**If necessary, do not use a rubber mallet to secure the slats into the frame.*

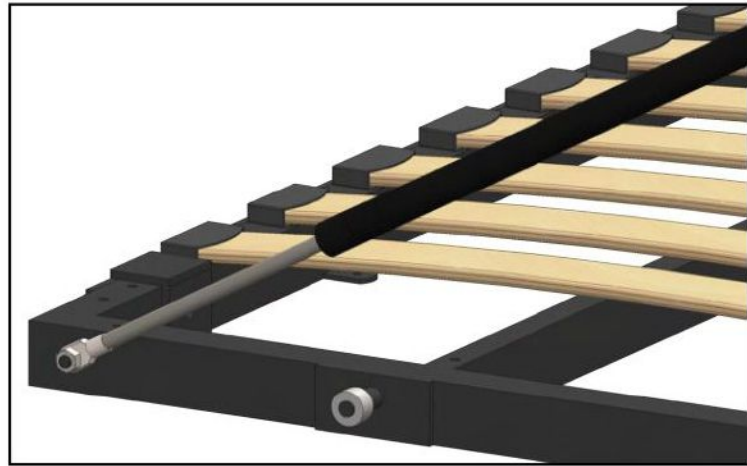
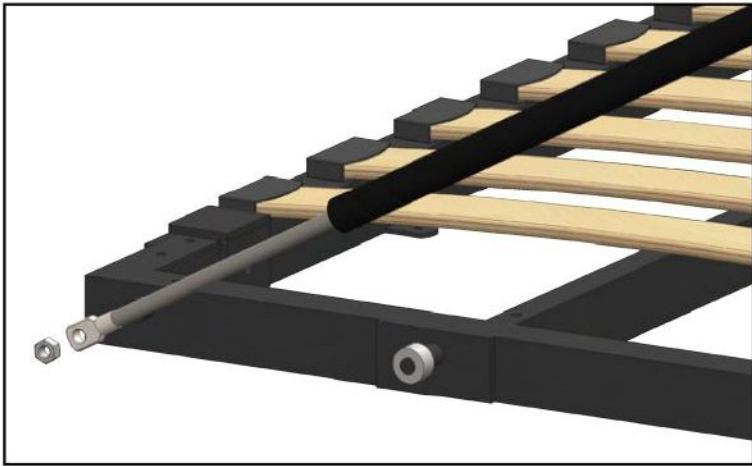
For each bed size, **DO NOT** insert the
rows of slats on the first and last row.



6 ATTACHING THE PISTONS TO THE FRAME

FF=  x2

B=  x2




Secure the longer metal ends of the pistons to the frame.

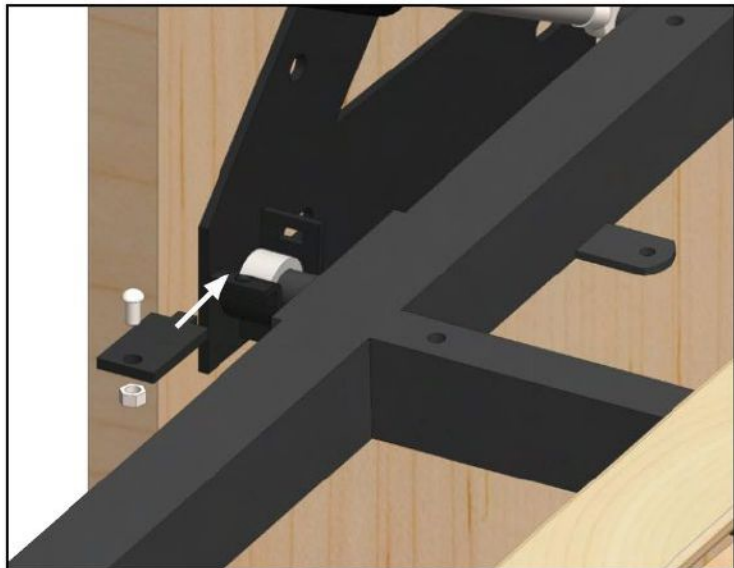
This end → 

7 INSTALLING THE FRAME ONTO THE MOUNTING BRACKETS

Z=  x2

J=  x2

EE=  x2



Cabinet **MUST** be secured to the wall into at least 2 wood studs before this step. (3 wood studs for the queen-size)

8 INSTALLING THE PISTONS TO THE CABINET

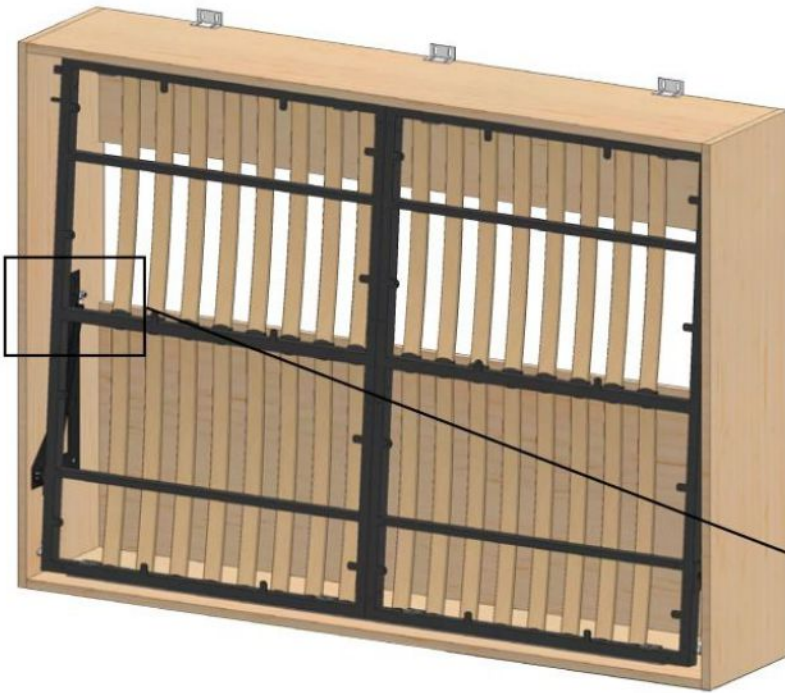
Tilt the frame inside past the edge of the cabinet to install the pistons on the mounting brackets.

This will not operate properly without the weight of the mattress and panels

For this step x 2



A second person must assist



FF=  x2

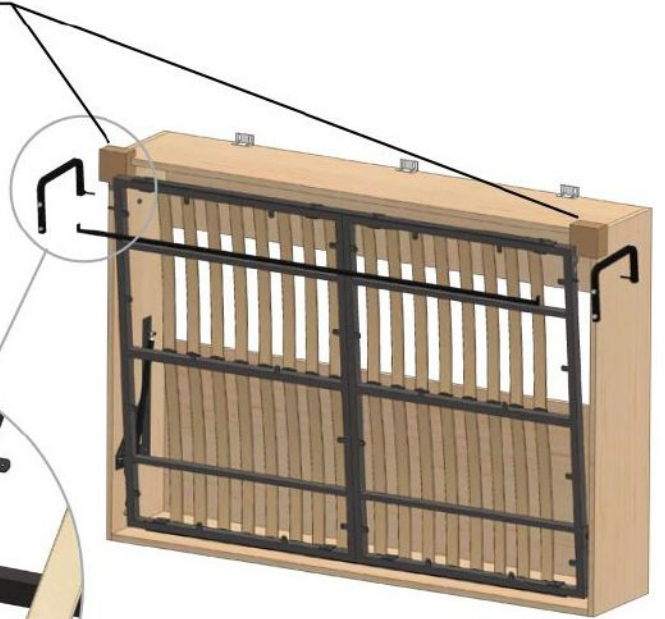
9 INSTALLING THE LEGS



The pistons are now installed, therefore do NOT operate the bed without the help of another person. Do NOT let go of the mechanism.

9.1 Install the temporary stoppers CC onto the top corners of the bed cabinet.

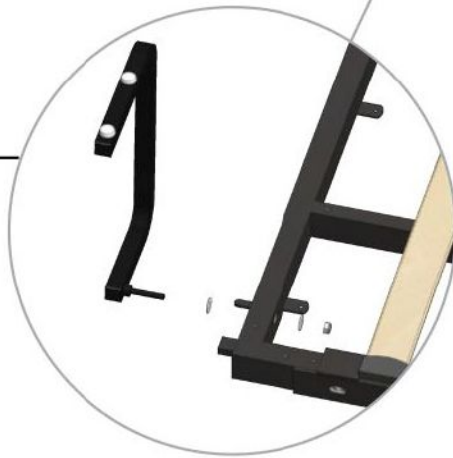
CC=  x2



9.2 Do not overtighten. Secure the legs to the bed frame.

FF=  x2


DD=  x4



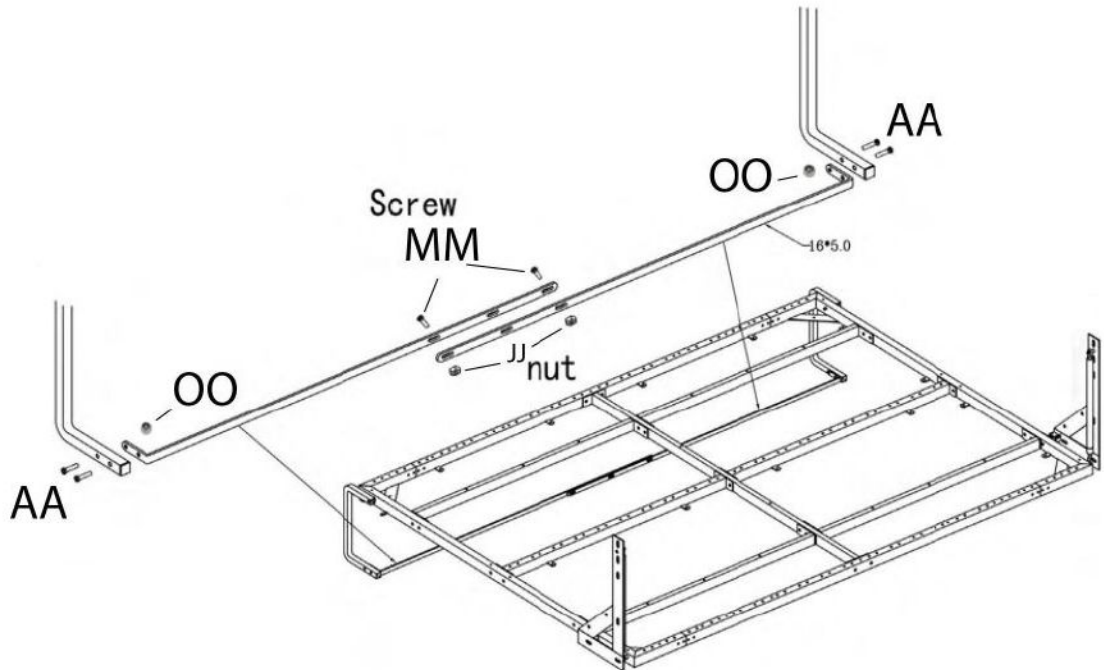
9.3 Install tube to both legs.

AA=  x4

S2= 

MM =  x2

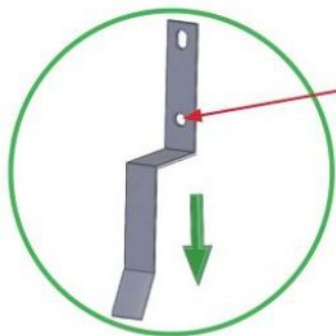
OO =  x6



The bed will NOT stay open without the weight of the mattress and panels.

10 INSTALLING THE DOOR BRACKETS

The door brackets must point downward. Install the door brackets in alignment with the support bars on the bed frame.

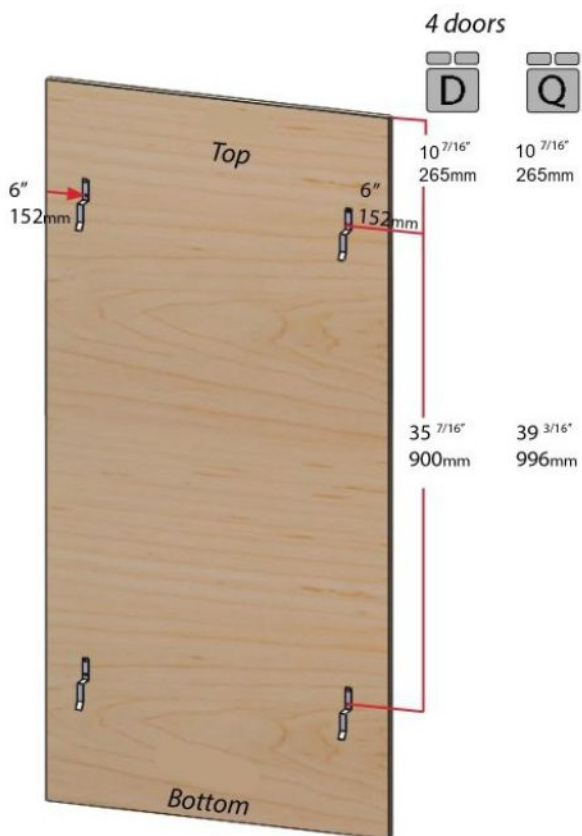


Measurements (right) are for the placement of this hole along the doors.

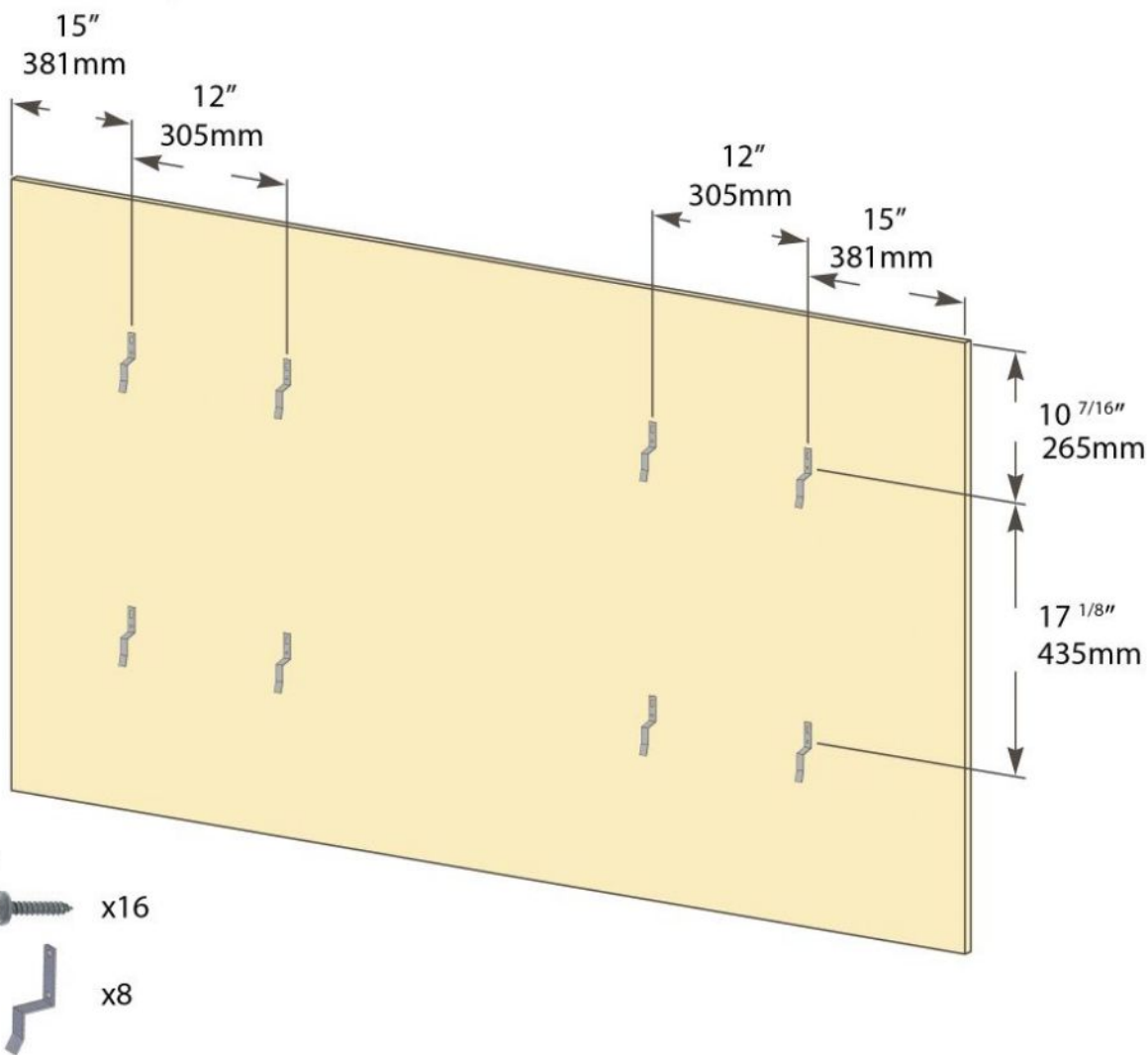
Double & Queen

W  x32

L  x16



Install the handle (not included) on the other side of the door during this step. Handle should be mounted at a height to comfortably allow the user to pull the bed down (approximately 1/3 of the way down from the top of the door).



Single

W  x16

L  x8

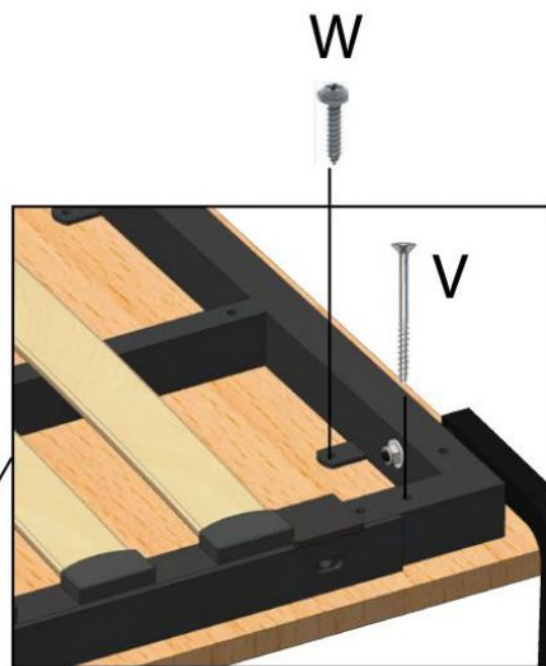
11 INSTALLING THE DOORS

11.1

Hook the door brackets onto the frame and push down until they are firmly in place. Center the doors on the frame.



11.2



For this step x 2

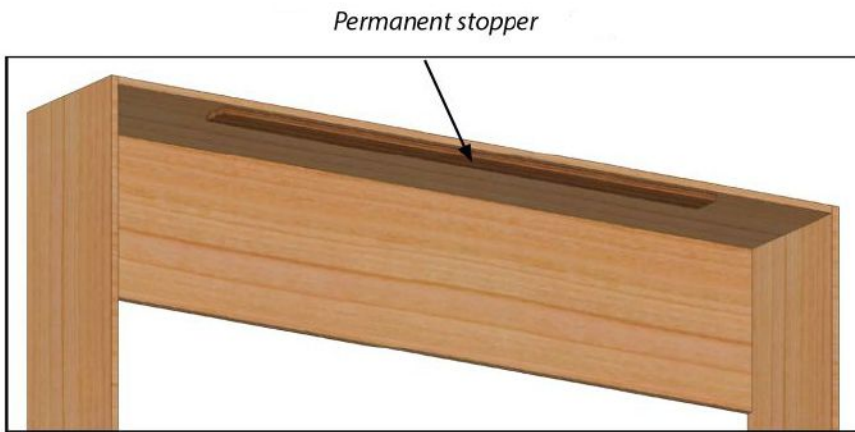


W  x 24

V  x 32

Attach the doors to the frame while putting weight on the frame to keep the bed open. Please have someone else sit on the frame during this step.

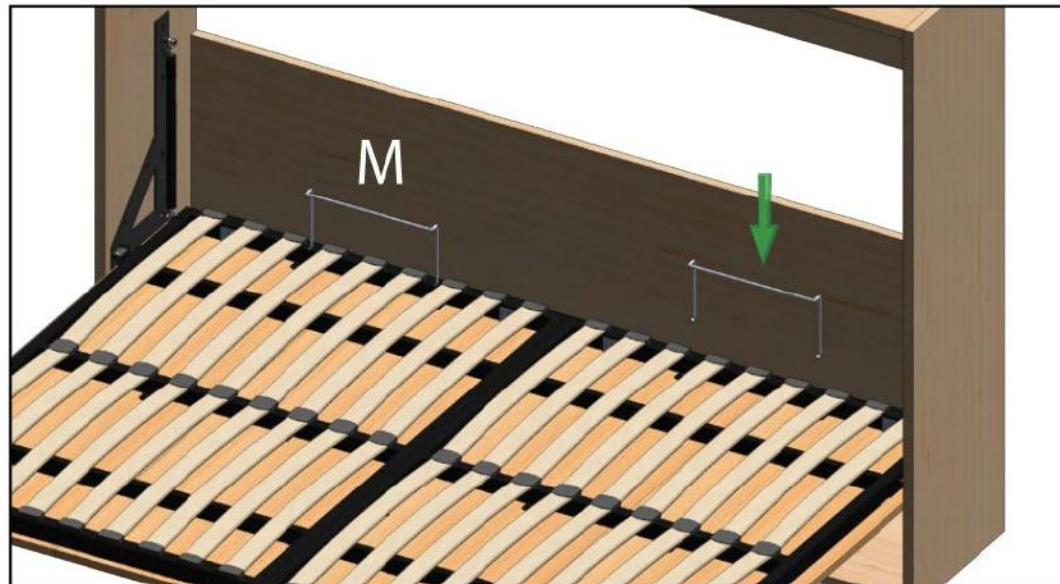
12 INSTALLING THE STOPPER



Install the stopper (not included) on the inside top of the cabinet where it will allow for the door to close flush to the front of the cabinet.

13 INSTALLING THE MATTRESS SUPPORT

Insert the mattress supports into the designated holes on the bed frame.



M x 2

A diagram showing a single metal bracket labeled 'M' with a dimension line indicating its length. To the right of the bracket is the text 'x 2', indicating that two such brackets are required.

USING THE WALL BED

1



The wall bed is assembled and shown in the lowered position.

2



Pivot the leg towards the inside of the unit. Make sure that the leg is fully retracted.

3



*Pull up **GENTLY** to close. The leg serves as a mattress retaining system. The pistons ensure that the door closes properly and remains closed.*

**Bed model may vary.*

**** The bed and panels will not stay open on its own without the weight of a mattress and panels.**

FOR MORE INFORMATION

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