

Item No.: 271.92.xxx

Wall-Beds



General Notes

- For vertical folding beds
- Successful and safe installation of Bed-Lift and construction of casework requires a professional skill level
- All Casework must be constructed from high quality material, preferably high-quality plywood
- All Casework must be perfectly square and plumb for Bed-Lift to operate properly
- Minimum material thickness: 3/4" (19 mm)
- Minimum inside cabinet depth: 18 1/2" (470 mm)
- Maximum Mattress thickness: 6" (152 mm) - 10" (254 mm)
- Cabinet must be safely secured against tipping (set includes 2 pcs security attachment brackets)
- Please use the included drilling template to accurately locate holes for Mounting Brackets.

Bed-Lift Options

- Item No 271.92.016 will accommodate Single/Twin mattresses
- Item No 271.92.025 will accommodate Double/Full mattresses
- Item No 271.92.132 will accommodate Queen mattresses

Mattress Dimensions

- 75" x 39" (1905 x 991 mm)
- 75" x 54" (1905 x 1372 mm)
- 80" x 60" (2032 x 1524 mm)

General Weight Parameters:

	Front Panel Weight	Mattress Weight	Combined Lifting Capacity
Single/Twin	approx. 27 kgs (60 lbs)	16 - 22 kgs (35 - 48 lbs)	43 - 49 kgs (95 - 108 lbs)
Double/Full	approx. 38 kgs (84 lbs)	23 - 31 kgs (50 - 68 lbs)	61 - 69 kgs (134 - 152 lbs)
Queen	approx. 45 kgs (100 lbs)	27 - 36 kgs (60 - 80 lbs)	72 - 81 kgs (160 - 180 lbs)

Bed-lift will not operate properly unless the above weight ranges are adhered to.

Fitting Set Consists of:

- 2 pcs. Security Attachment Brackets w/ bolt, washer, nut, and wood screw for attachment.
- 2 sets Mounting Brackets with attachment bolts x 12 pcs.
- 4 pcs. Z-Brackets for initial attachment (hanging) of Front Panel; 10 pcs. wood screws for attachment.
- 2 pcs. M4 round head machine screws used as Front Panel adjustment screws in Z-Brackets.
- 3 sets Mattress Straps for securing Mattress.
- 1 pc. chrome-plated wire Mattress Stop with mounting hardware; 2 pcs. washers and capped nuts.
- Drilling Template.

Please order separately:

- Handle(s) for Front Panel to pull down bed.

Casework

- See below chart for appropriate dimensions
- Refer to **Drawing #1** for details

Mattress Sizes		Cabinet Construction Inside Dimensions			Toe Kick
		Inside Height	Inside Width	Min. Inside Depth	
Single/Twin	75" x 39"	2018 mm (79 7/16")	1051 mm (41 3/8")	470 mm (18 1/2")	76 mm (3") x 1051 mm (41 3/8")
Double/Full	75" x 54"	2018 mm (79 7/16")	1432 mm (56 3/8")	470 mm (18 1/2")	76 mm (3") x 1432 mm (56 3/8")
Queen	80" x 60"	2145 mm (84 7/16")	1584 mm (62 3/8")	470 mm (18 1/2")	76 mm (3") x 1584 mm (62 3/8")

	* Front Panel Dimensions	
	Height	Width
Single/Twin	1934 mm(76 1/8")	1043 mm (41 1/16")
Double/Full	1934 mm(76 1/8")	1424 mm (56 1/16")
Queen	2061 mm (81 1/8")	1576 mm (62 1/16")

Please Note:

- All recommended dimensions above are **total** to include any edge banding or face frames.
- All dimensions are based on 3/4" material.
- Front Panel dimensions allow for a 3/16" (4 mm) gap around all sides.
- See **Drawing #2** - If optional Top and Bottom details are preferred, adjust appropriate dimensions on your own.
- A Back Panel for the Cabinet is not included in these instructions, if desired please calculate on your own.

* **Recommendation:** Before cutting Front Panel, build and mount cabinet securely to wall.
 Be sure Cabinet is square and plumb.
 Install Bed-lift to ensure all is functioning properly.
 Measure and fit Front Panel inside of opening.

Instructions

- Construct Cabinet per **Drawing #1**.
- Be sure Kick is beveled, approx. 45° - see bottom detail(s) **Drawing #2**.
- Attach Cabinet securely to the wall and any surrounding Casework.
- Use included Security Brackets, see **Drawing #3**.
- Cabinet must be installed absolutely square and plumb.
- Align Drilling Template on inside Cabinet, mark and drill 6 x's Ø8.5 mm (5/16") through holes, **see Drawing #3**.
- Countersink holes on outside edges.
- Fasten the two Mounting Brackets with provided bolts as in **Drawings #2 & #3**.

Installation

- 2 people are recommended for installation.
- Slide Bed Frame onto Mounting Brackets and hook over the studs, see **Drawing #3**.
- Fold Bed Frame up to vertical position until holes align, insert remaining 4 bolts and tighten securely.

Caution: *Before testing be absolutely sure cabinet is securely anchored to the wall and surrounding millwork. At this point bed frame will be difficult to pull down, and conversely will spring up very quickly, be careful! Only after additional & appropriate weight of front panel & mattress is added will ease of operation be achieved. Keep fingers clear from folding feet and mechanism while testing.*

Mounting Front Panel to Frame

- Please refer to **Drawing #4**
- Front panel should be sized to allow for a 4 mm (3/16") gap around all edges (see Front Panel dimensions in CASEWORK Section).
- Screw 2 pcs. M4 round headed screws in to top of 2 pcs. of the Z-Brackets, these will be used to adjust and align front panel.
- Attach Z-Brackets to back side of Front Panel.
- Hang Front Panel over top and bottom rails.
- Close bed, check for alignment and adjust via M4 screws as necessary.
- After final adjustment and alignment is achieved, lock Front Panel down with additional wood screws (not included) through holes in metal frames, see **Drawing #4**. Front Panel must be securely fastened to Frame.

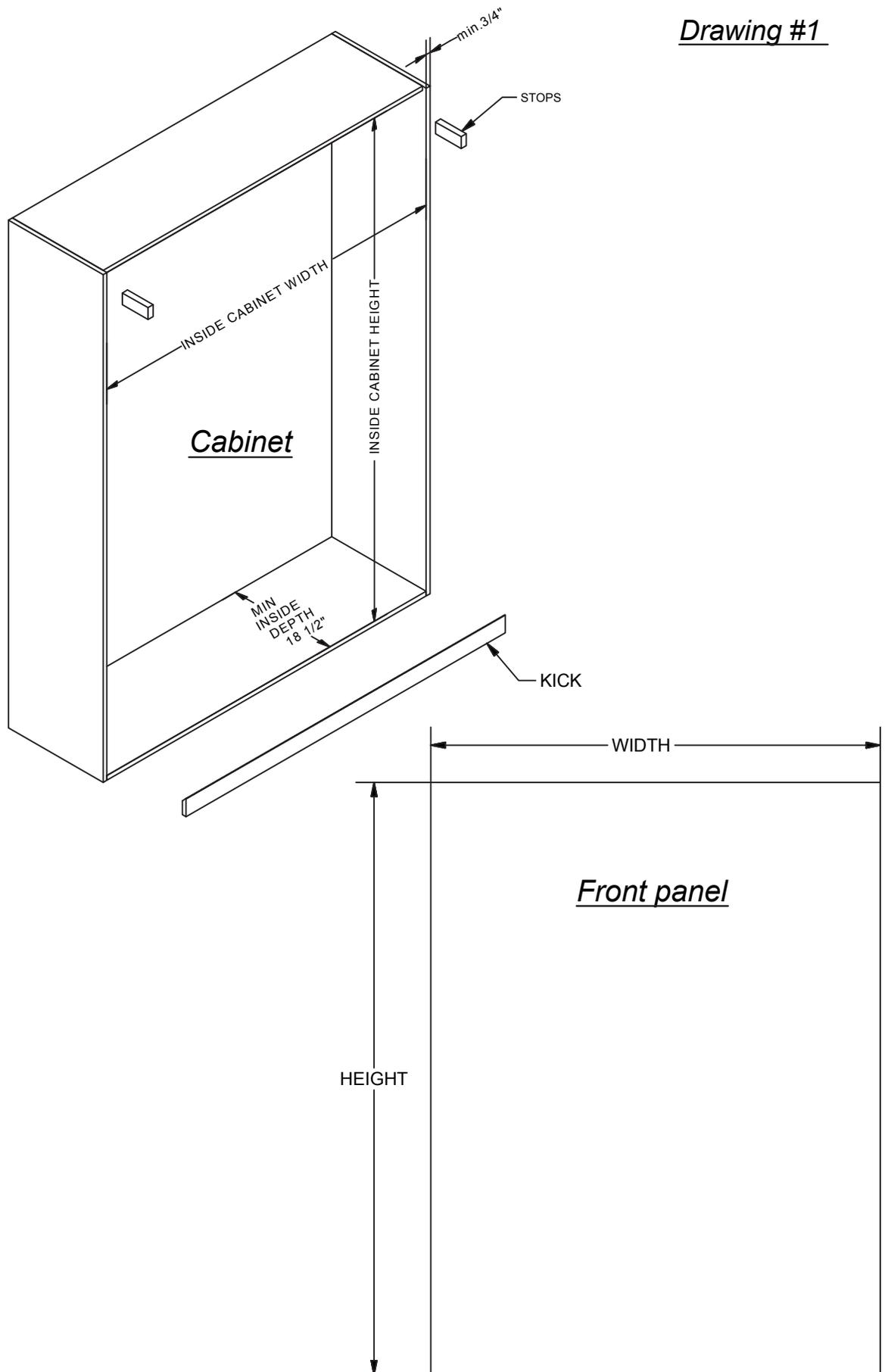
- **Install wood blocks as stops** on both sides of cabinet to ensure the bed closes absolutely vertical, see **Drawing #1**. Do not install one continuous stop across the top, as this may interfere with the folding feet.

- **Attach chrome Mattress Stop** through the two holes in bottom frame using the capped nuts and washers provided. Mattress stop keeps the mattress from sliding down as the bed is folded vertical.

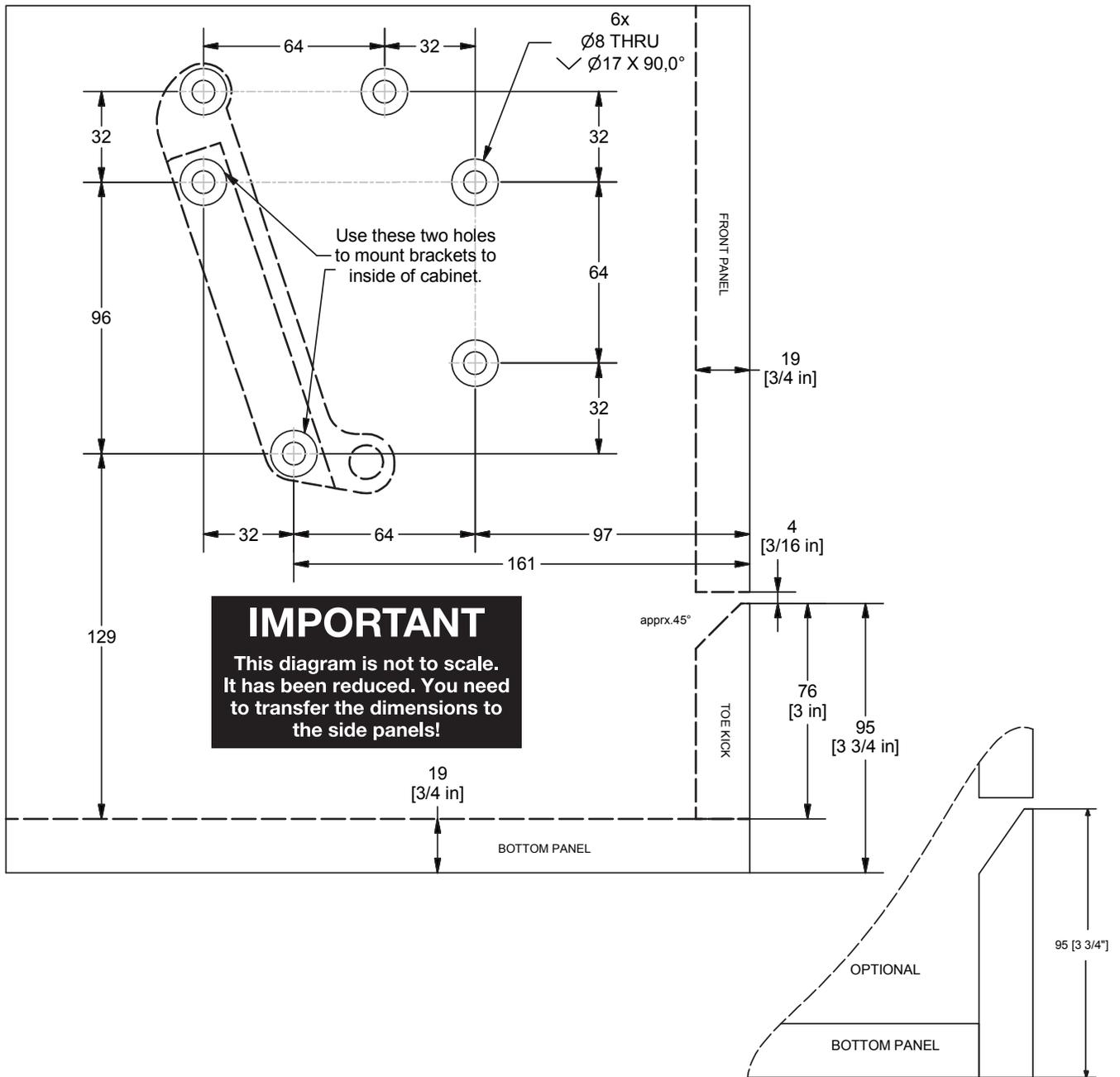
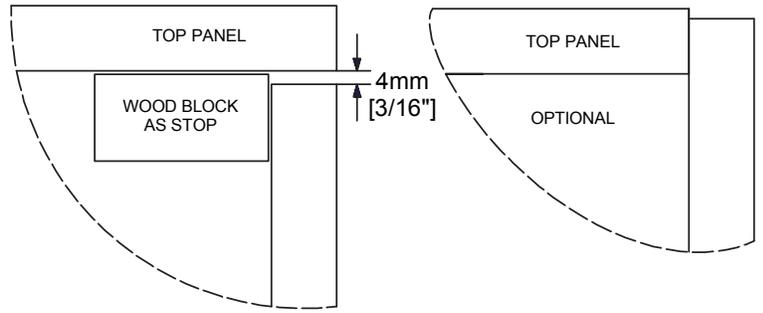
- **Place mattress on frame and secure with 3 sets bedding straps.**
Loop curved clasp around frame, through square metal ring and pull tight. Repeat with remaining straps.
Stretch straps over mattress hooking round rings inside one another.

- **Install Handle(s)**, (not included), to front panel to pull bed frame down.

Drawing #1



Drawing #2



Drawing #3

SECURITY ATTACHMENT BRACKETS

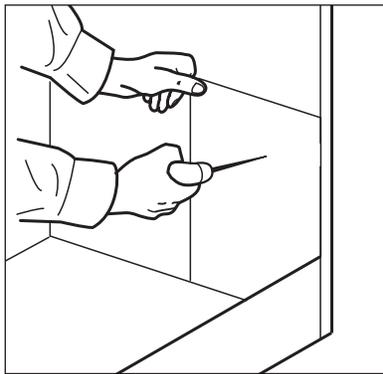
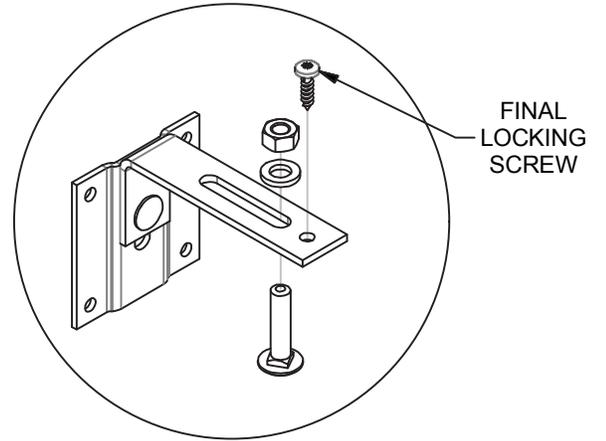
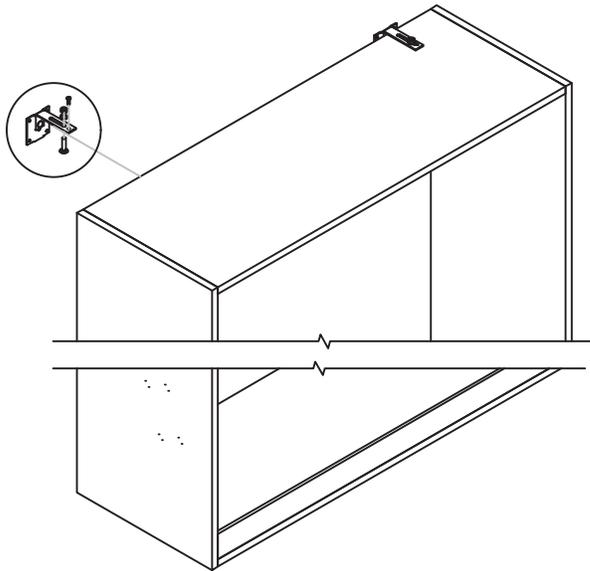


Diagram 1

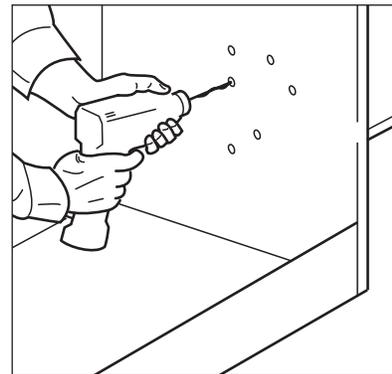


Diagram 2



Diagram 3

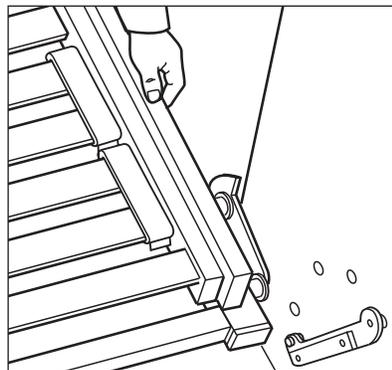
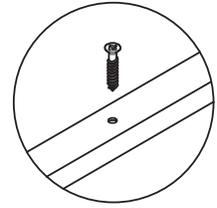
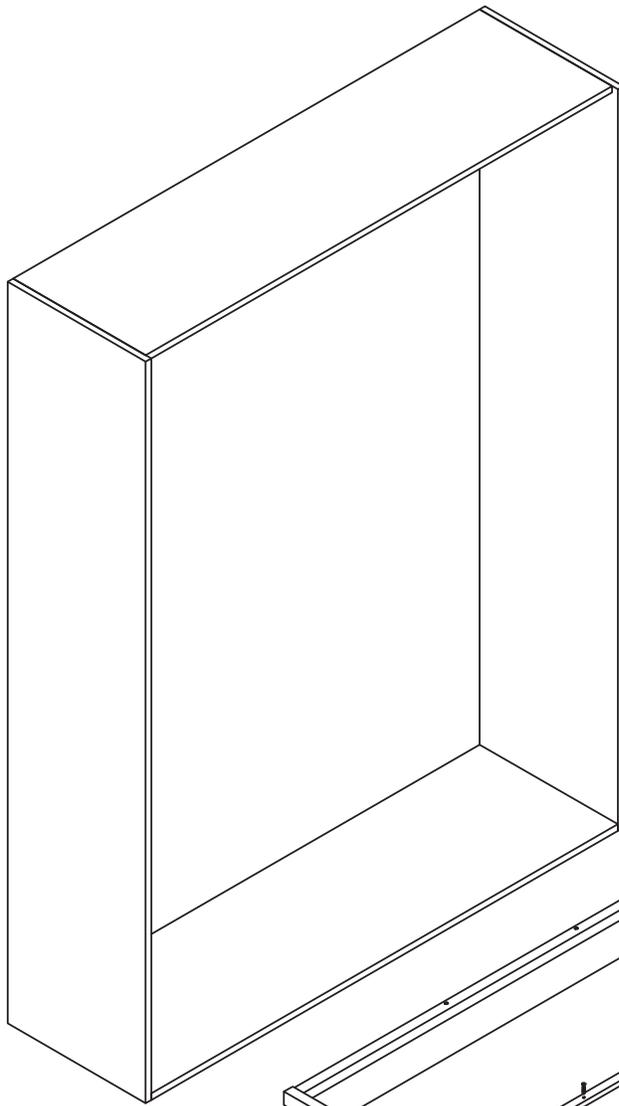


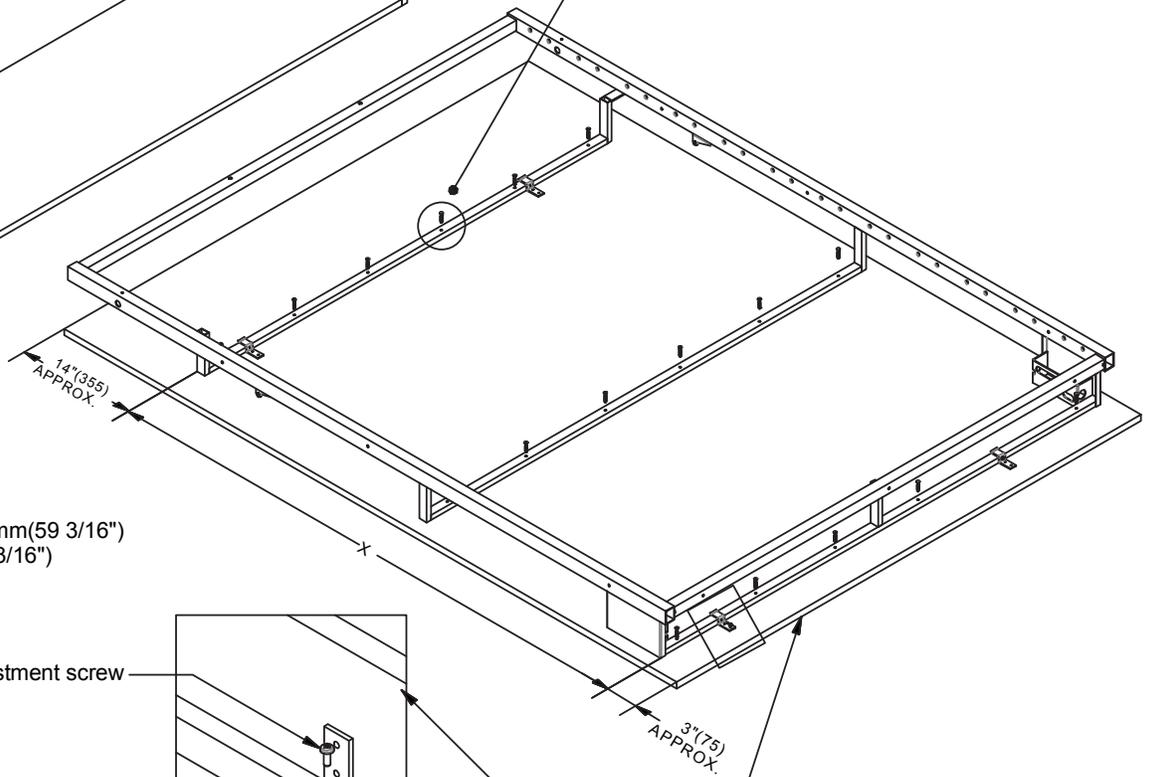
Diagram 4

Drawing #4

FRONT PANEL ADJUSTMENT

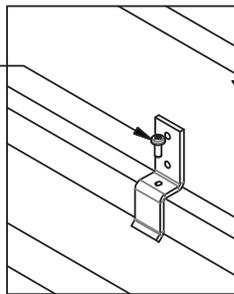


AFTER FRONT PANEL IS PROPERLY ALIGNED-LOCK DOWN WITH ADDITIONAL SCREWS THROUGH HOLES IN FRAME.



Dimension X
Single/Double=1503mm(59 3/16")
Queen=1630mm(64 3/16")

M4 adjustment screw



INSERT M4 ADJUSTMENT SCREW IN TOP TWO Z-BRACKETS

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