

pardo wall beds

ASSEMBLY INSTRUCTIONS

LOWLINE SINGLE **FOLD DOWN WALL BEDS**

Tools Required For Assembly

No 2 & No 4 Phillips Head Screwdrivers

No 2 Slot Head Screwdriver

Hammer

Electric Drill (Hammer Drill for Masonry)

6.5mm Masonry Drill Bit

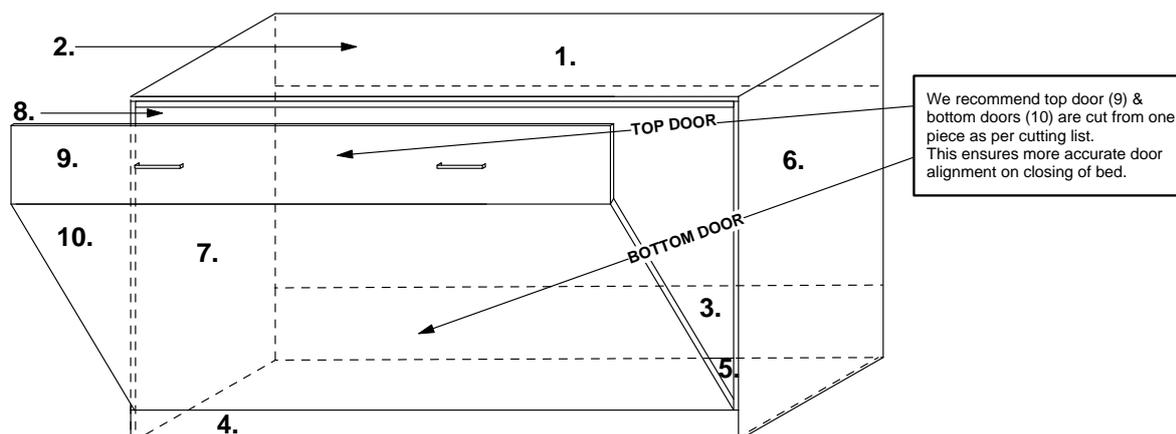
Pliers

Spirit Level

Adjustable Spanners

24mm Set Socket

Cabinet Components



Panels (Single)

1 x Top
 2 x Back
 1 x Skirting
 1 x Bottom
 1 x Right Hand End
 1 x Left Hand End
 1 x Top Rail
 1 x Top Door
 1 x Bottom Door

Panel

1
 2,3
 4
 5
 6
 7
 8
 9
 10

Size (mm)

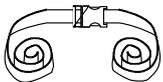
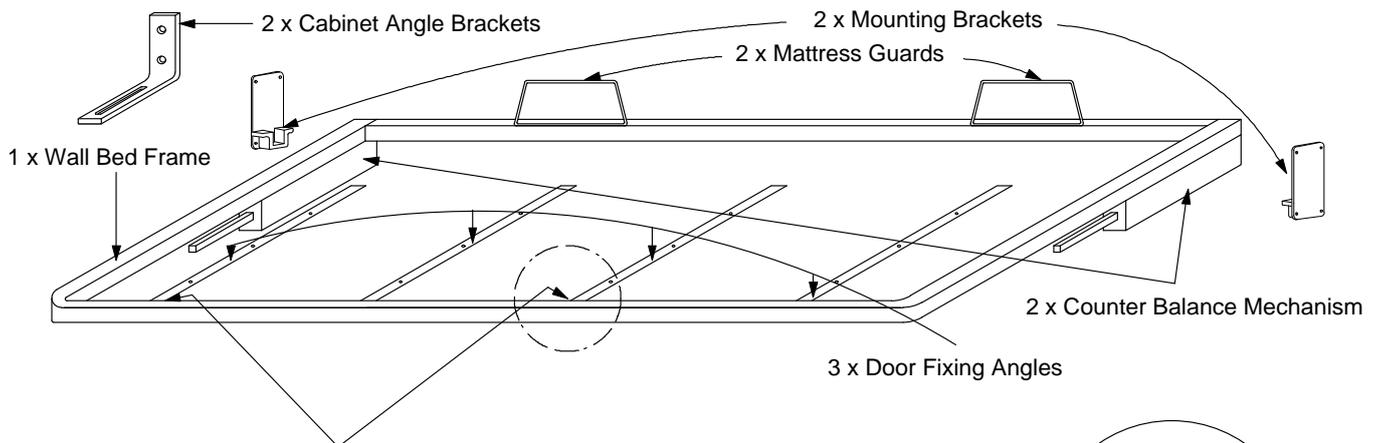
2020 x 510 x 25
 1960 x 200 x 16
 1992 x 70 x 16
 1960 x 448 x 16
 1112 x 480 x 16
 1112 x 480 x 16
 1960 x 70 x 16
 1988 x 382.5 x 16
 1988 x 652.5 x 16

This is an example cabinet construction method using knock down fittings to ensure the mechanism operates correctly. Variations to construction should be checked with Pardo. 16 or 18mm thick particleboard doors are recommended.

Mattress size 900 x 1900 x 250D MAXIMUM depth

Door + Mattress 40 kgs MAXIMUM weight

Mechanism Components



2 x Bed Straps

Remove long angles by unbolting at crotchet
(refer to detail shown of crotchet)

Bolts / Nuts / Screws - Various

Note: Bed Frame shown without slats for clarity

Mattress: Standard innerspring mattresses are recommended. Maximum mattress thickness is 250mm

Hardware



30 x Cams



24 x Large Trim Caps



30 x Cam Bolts



2 x Piano Hinge



4 x Handles



10 x Green Wall Plugs

10 x Green Wall Plugs



12 x Small Trim Caps
for screws to wall + #8 to #1

SCREWS RECOMMENDED

Chipboard Screws

* 28mm For screw fixing top rail #8 to underside of top #1.

* 65mm Screws for attaching to wall.

Step 1 - Cabinet Assembly

Refer to Diagram 2

- * Using hammer, tap cams into 20mm holes in all panels where required . Important : Orientation of cams as shown in photo below.
- * Screw cam bolts into 5mm holes in all panels where required.

DIAGRAM 2



Hammer fix cam in place.



Screw fix cam bolt into 5mm holes.

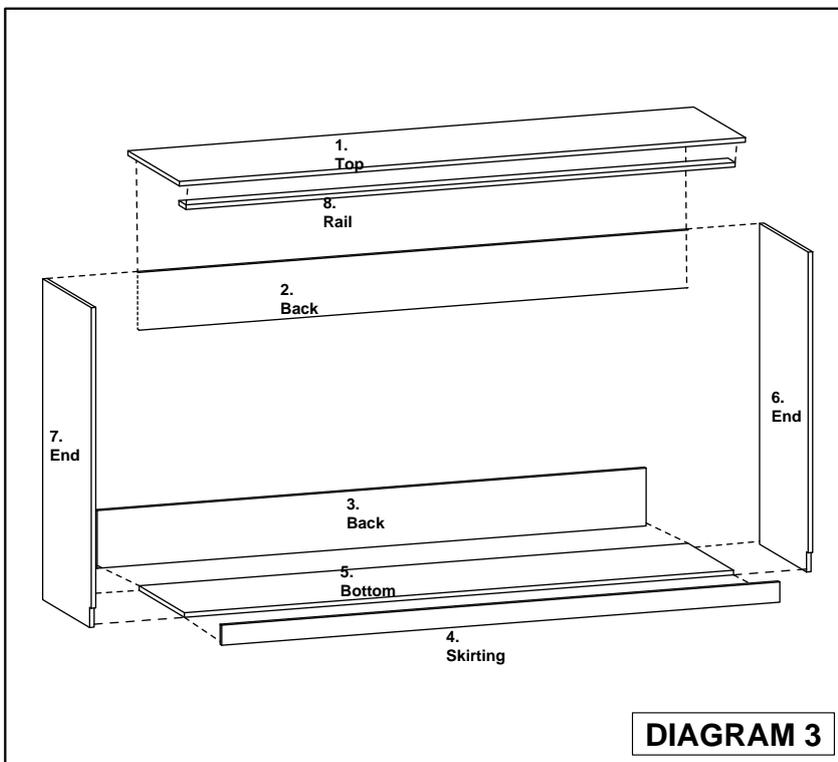


DIAGRAM 3

Refer to Diagram 3

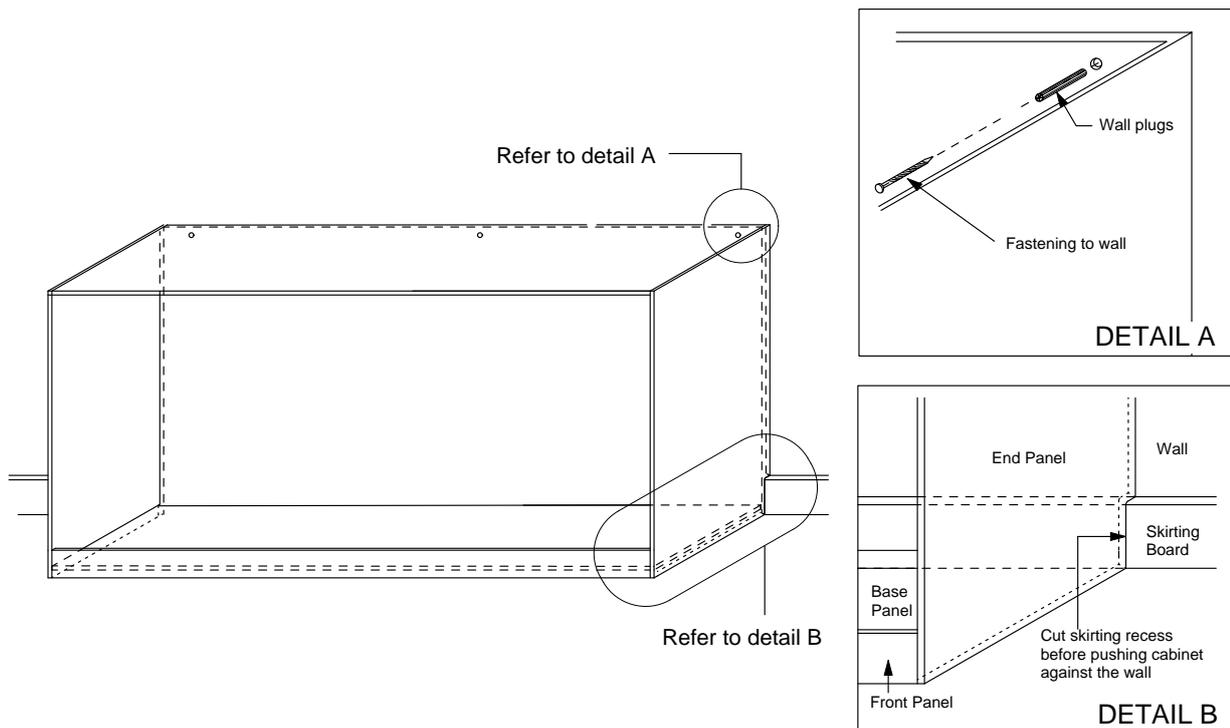
- * Lock bottom #5 to skirting #4. By tightening Cams.
- * Lock back #3 to bottom #5 and skirting #4. By tightening Cams.
- * Lock top rail #8 to top #1 with screws.
- * Lock end #7 to back #3, bottom #5 and skirting #4. By tightening cams.
- * Lock end #7 to back #2. By tightening cams.
- * Lock end #6 to backs #2, #3, bottom #5, skirting #4. By tightening cams.
- * Lock top #1 to ends #6, #7 and back #2. By tightening cams.
- * Screw top rail #8 to underside of top for door to close on to. Make sure the top rail is flush with front edge of end panels.
- * Insert trim caps inside unit where needed.

Step2 - Fixing Cabinet To Wall

- * Lay cabinet face down with bottom facing the wall.
- * To ensure the cabinet is flush against the wall when upright, it may be necessary to cut a recess into bottom of left and right hand end of cabinet.

IMPORTANT NOTE: Before moving cabinet upright, ensure all cams are tightened securely.

- * Place cabinet into position against the wall and, using a spirit level against either the right or left hand end and the top, find the correct vertical and horizontal position. Mark this position on the wall with a pencil.



FASTENING OPTIONS 1

(for gyprock, fibro or timber walls)

- * Ensure cabinet is in correct position.
- * Locate wall studs
- * Drill holes in top of back panel at top in corresponding positions to wall studs.
- * Using 65mm screws, screw cabinet thru holes in top of back panel into studs. Put on cover caps

FASTENING OPTIONS 2

(for brick/masonry walls)

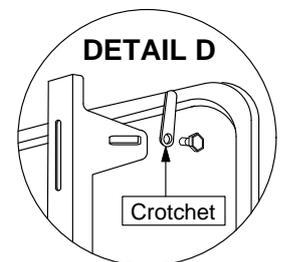
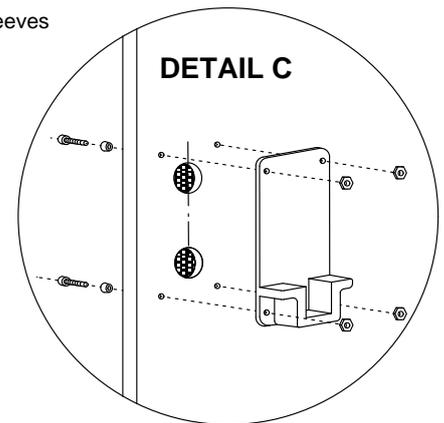
- * Ensure cabinet is in correct vertical position. Drill holes in top of back panel at top in appropriate position.
- * Using a 65mm masonry bit, drill holes into wall and insert wall plugs supplied.(see above)
- * Move cabinet back into place against wall.
- * Fix top back panel to wall using 61mm screws. Put on cover caps.

PLEASE NOTE

As there is a lot of tension in the Wallbed when in the open position, it is very important that the cabinet is securely fixed to the wall.

Step3 - Wall Bed mechanism Assembly / Installation

- * Bolt bed frame mounting brackets to left and right ends through predrilled holes using sleeves and bolts provided. (DETAIL C)
- * Remove the four (4) long angles from the bed by unbolting at crochet. (DETAIL D)
- * Bolt left and right hand counter balance mechanisms to bed frame. (Ensuring counter balances are to the outer extreme edges of the frame).
- * Prior to fitting bed frame into cabinet, Be sure leveling screws are protruding 2-3mm out of the bottom of the block (for later adjustment). Sit pivot block into mounting brackets. (Diagram 4) When complete, leave bed frame vertical in cabinet.
- * Using screws provided, fit piano hinge to bottom of bottom door. Hinge bottom door to skirting as detailed in. (Diagram 5)
- * Screw the outer fixing angles #1 + #4 through elongated holes (Diagram 6) to the back of the top and bottom door into pre-marked holes in the doors. Remember to leave a 3mm gap between the top and bottom doors. (diagram 6)
- * Lift top door at right angles (90°) to the bottom door. (diagram 6)
- * Lower bed frame and guide bed frame leg into top door sleeve as shown. (diagram 7)



PLEASE NOTE

DO NOT LET GO OF THE MECHANISM AS IT WILL SPRING BACK INTO THE CABINET AND MAY CAUSE DAMAGE

- * Re-attach bed frame to angles using bolts through crotchets.
- Note: Doors are now ready to lift upwards. As there is no tension on the mechanism, the doors are very heavy.

DIAGRAM 4

SITTING PIVOT BLOCK INTO MOUNTING BRACKETS

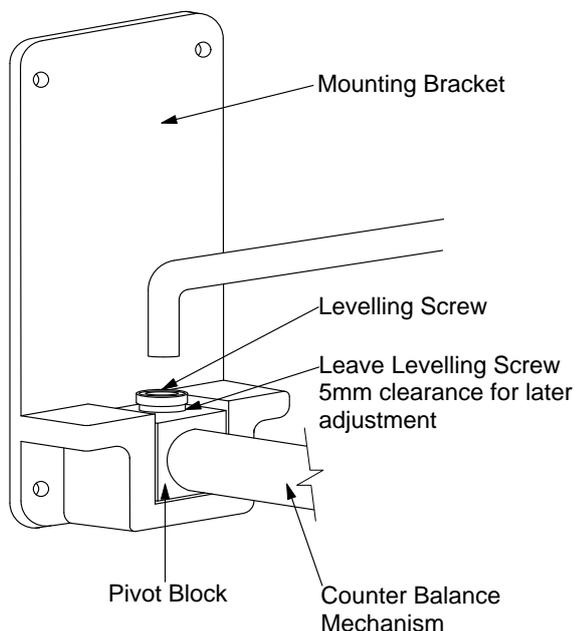


DIAGRAM 5

HINGE BOTTOM DOOR TO SKIRTING DETAIL

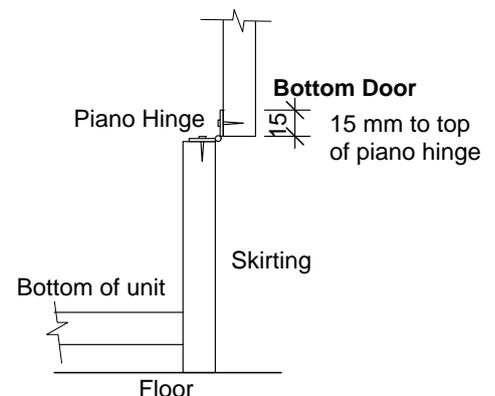


DIAGRAM 6

SCREWING BED FRAME ANGLES TO DOORS

Note: Bed Frame should still be vertical in Cabinet

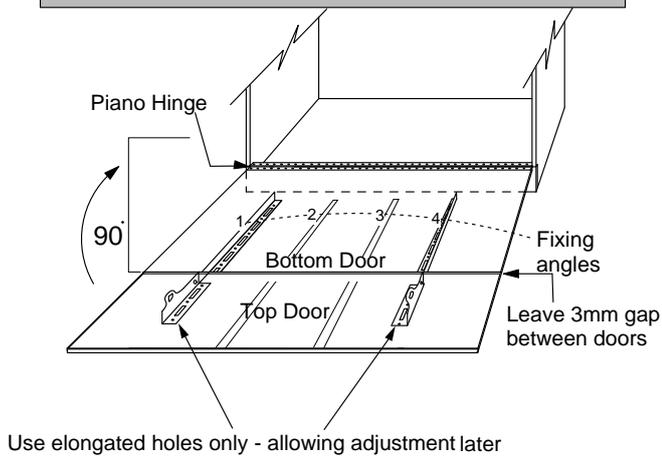
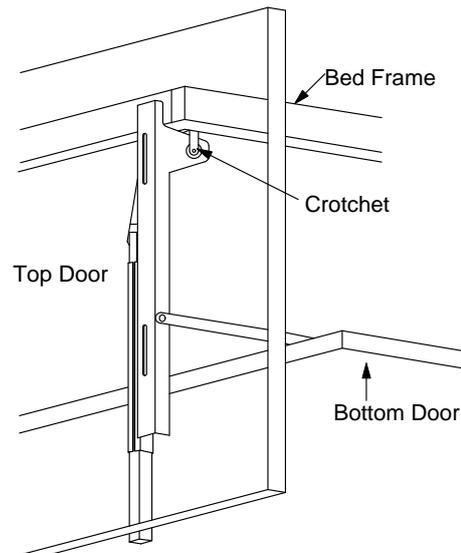


DIAGRAM 7

GUIDING BED FRAME LEG INTO TOP DOOR SLEEVE



- * With one person each side of the bed, lift doors up to within 30° of closing. (Diagram 8)
- * With a large 24mm socket turn tension handle clockwise on counter balance mechanisms to adjust tension. (Approximately 30 quarter turns would adjust tension sufficiently for a medium weight mattress.)
- * Test by lowering the cabinet doors to floor and up again. The correct tension is achieved when the bed frame and doors lift slightly off the floor without the weight of a mattress.
- * Once the correct tension is achieved close doors to cabinet. Doors should meet flush with each other and with cabinet, otherwise adjustment will be necessary. (Diagram 9).
- * Where adjustment is necessary, adjust **BOTTOM DOOR ONLY**. Lower doors to floor and move angles up or down in elongated holes until doors meet flush with cabinet. (Diagram 9)
- * When door adjustment is complete, secure position of angles against **BOTTOM DOORS** by screwing home all other angle screws.
- * The gap between the top and bottom doors should be 3mm. If this is not the case, or if the doors do not meet squarely, then adjust by moving angles on the **TOP DOOR ONLY**, until a level 3mm gap is achieved.
- * When door adjustment is complete, secure position of angles against **TOP DOORS** by screwing home all other angle screws.
- * While the bed is open, fix the middle fixing angles #2 & #3 (Diagram 6) to the back of the door and by bolting it to the crotchet. Test the adjustment of the door again by closing up the bed, further adjustment may be necessary.
- * If Headboard #8 and pillowcatch #9 are being used, hinge them together using piano hinge provided. (Diagram 1, pillowcatch)
- * Bolt Headboard to bottom of bed frame through predrilled holes with bolts and nuts provided.
- * Attach handles to doors.
- * Attach bed straps to sides of bed frame by sliding ends through sewn loops over frame edge, approximately 300mm from head and foot of bed frame, and tighten until secure.
- * Slide mattress onto bed frame and secure with bed straps.
- * Close doors and again ensure that they meet flush with each other and with cabinet. Final adjustment may be necessary and can be done by turning leveling screws in mounting block whilst the bed is open at 30°. (Diagram 10)

WARNING

When operating the Wallbed mechanism the bed frame must be carefully lowered all the way to the floor and not left to drop freely. If the bed frame is lowered without the weight of a mattress it may spring back causing injury.

DIAGRAM 8

ADJUST TENSION COUNTER BALANCE MECHANISMS

Lift doors up to within 30 degrees of closing

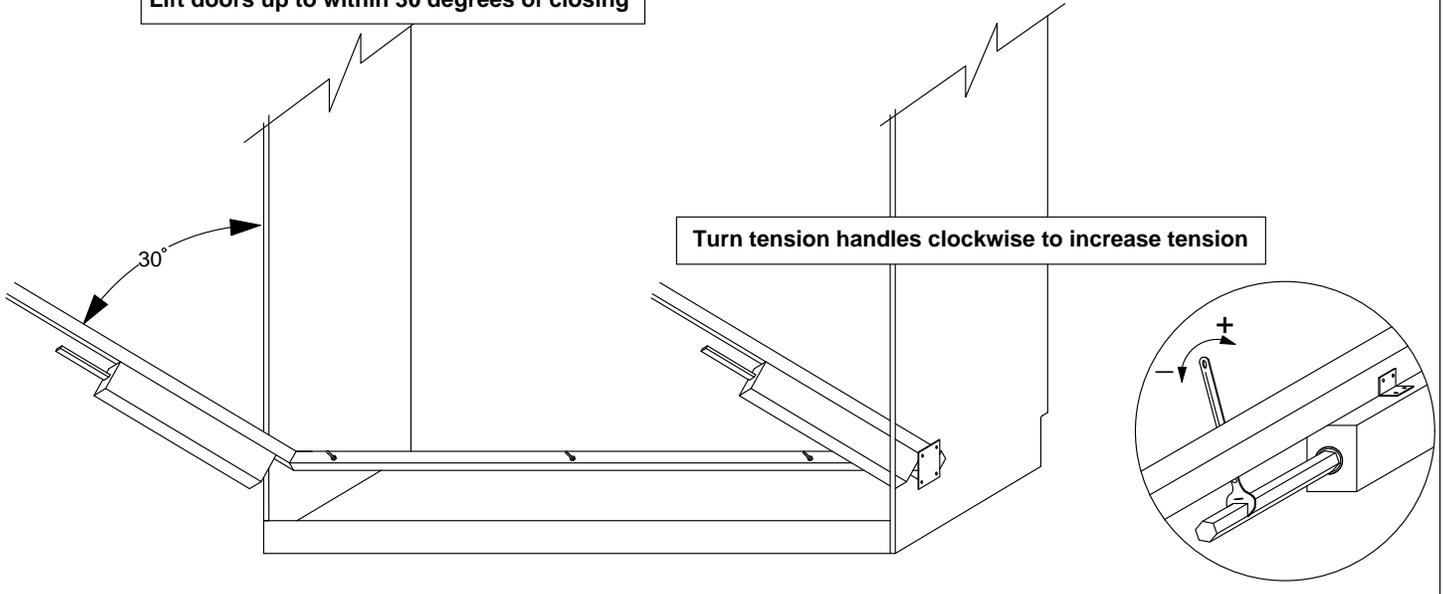
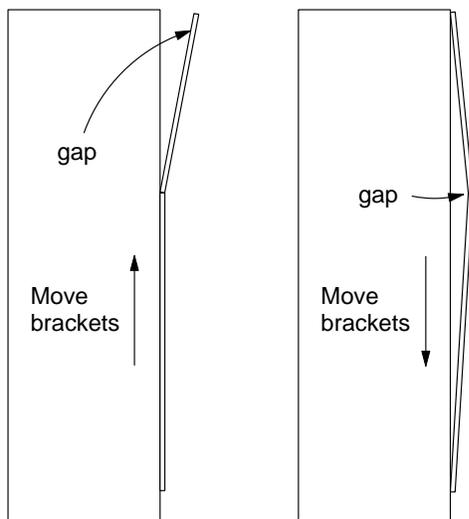


DIAGRAM 9

DOOR ADJUSTMENT

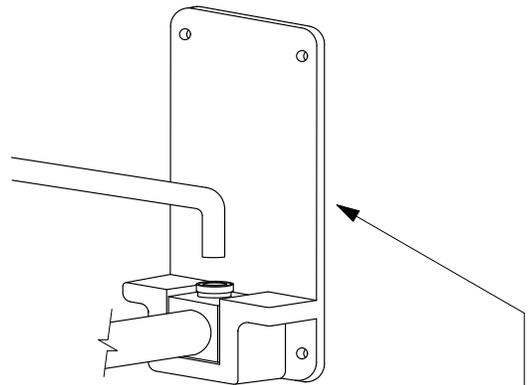


ADJUST BOTTOM DOOR ONLY

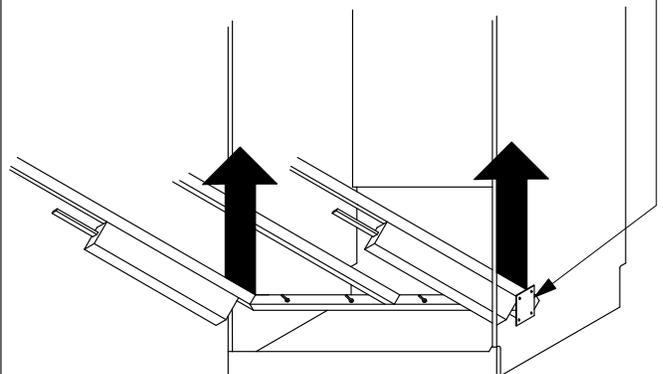
Lower doors to floor and move angles up or down on bottom door only till they meet flush

DIAGRAM 10

ADJUSTING LEVELLING SCREWS



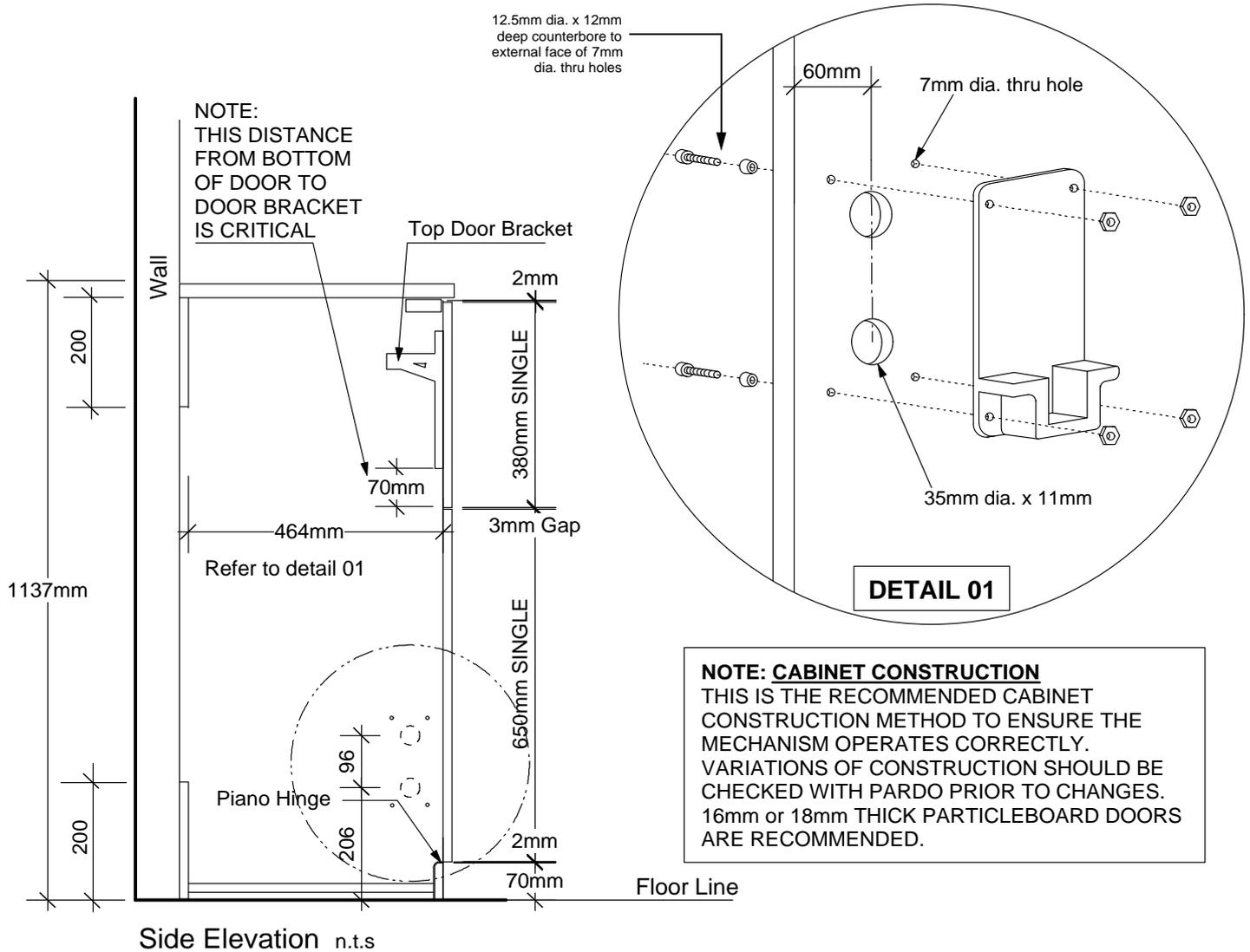
Final adjustment of doors may be made by adjusting levelling screws in mounting block whilst bed is open at 30 degrees



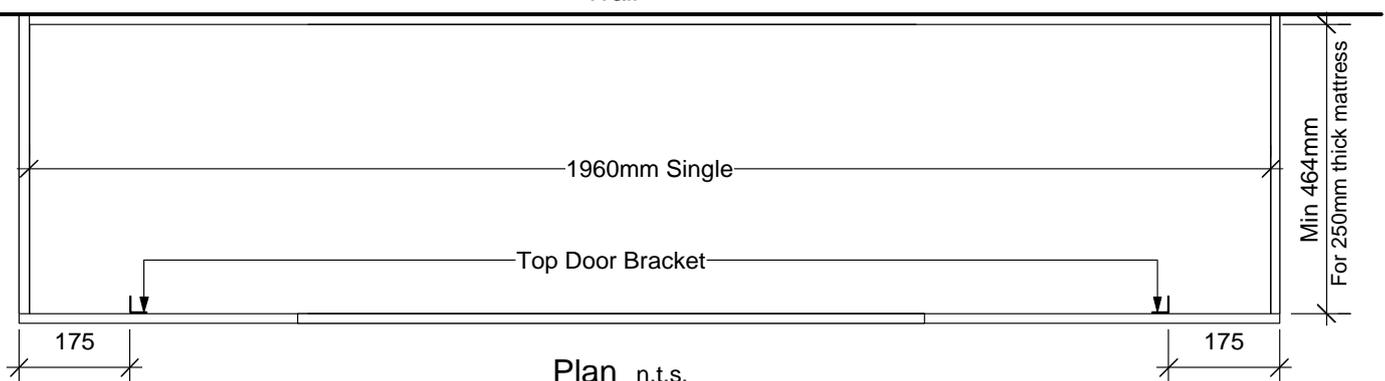
Carcass Construction

NOTE: DOORS

1. WE RECOMMEND TOP DOOR (3) & BOTTOM DOORS (4) ARE MADE IN ONE PIECE AS PER CUTTING LIST. THIS ENSURES MORE ACCURATE DOOR ALIGNMENT ON CLOSING OF BED.
2. TOP DOOR CAN BE INCREASED IN HEIGHT AS LONG AS CABINET HEIGHT IS INCREASED AS WELL. ALL OTHER DOOR SIZES SHOULD REMAIN



Wall



Lowline Single Fold Down Door (outer angle fixing locations)

Locations given are an approximate guide only for the slotted
Bracket holes. Fix into round holes after checking and adjustments are completed

Step 3 #1 & #4 DIAGRAM 6

