

# **pardo**

## wall beds

### **ASSEMBLY INSTRUCTIONS**

### **DIY WALL BED KIT**

# ***SINGLE***

## ***BI FOLD DOOR CABINET & MECHANISM***

### **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

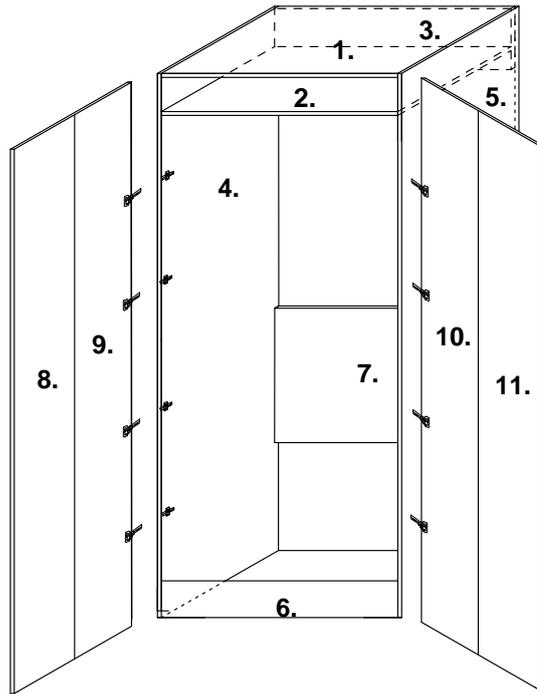
Pliers

Spirit Level

Adjustable Spanner

Socket Set

# Cabinet Components



**Panels (Single)**

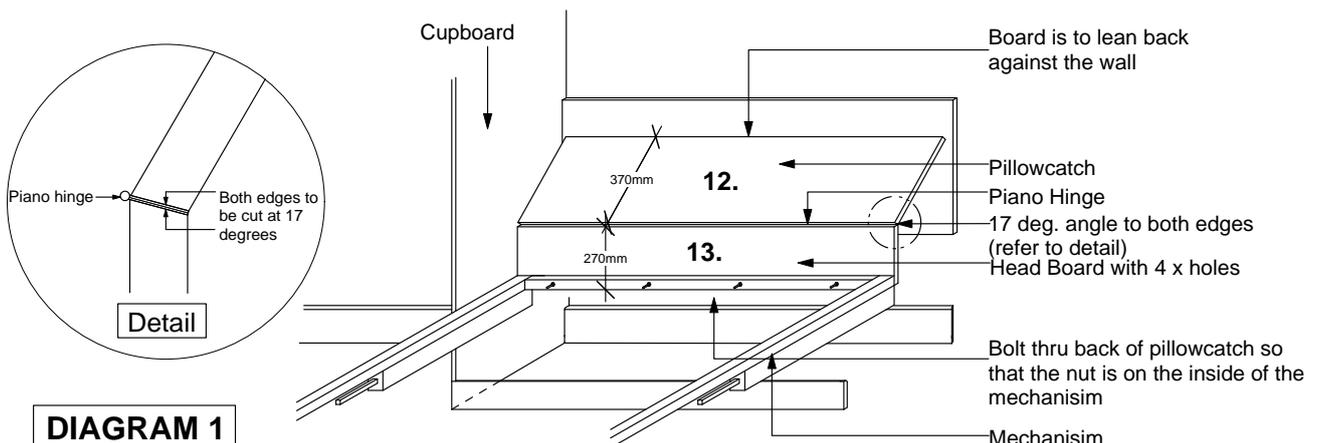
**Panel #**

**Size (mm)**

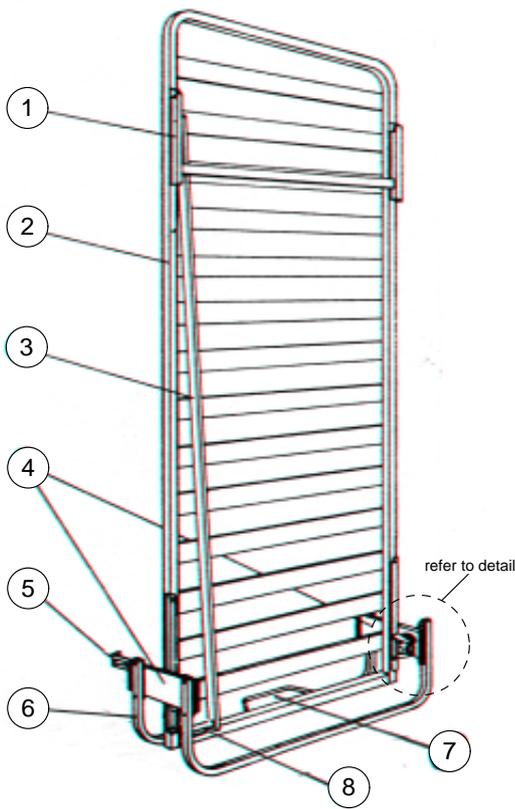
1 x Top	1	1055 x 471
1 x Shelf	2	1055 x 471
1 x Top Back Rail	3	1055 x 250
1 x Left Hand End	4	2227 x 487
1 x Right Hand End	5	2227 x 487
1 x Front Skirting	6	1055 x 150
1 x Bottom Back Rail	7	1055 x 570
4 x Door Panels	8 - 11	2108 x 269
1 x Pillow Catch	12	900 x 370
1 x Head Board	13	900 x 270

} Refer to detailed Note above.

## Pillowcatch

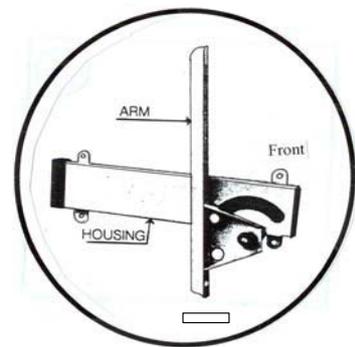


## Mechanism Components



1. AUTOMATIC FOOT
2. BED FRAME
3. CONNECTING ROD
4. SPRING MECHANISMS
5. WALL MOUNTING BRACKETS
6. CRADLES
7. MATTRESS GUARD
8. EXTENSION ARM

**DIAGRAM 1**



## Cabinet Hardware



26 x Cams



26 x Cam Bolts



8 x Clip on Hinge



2 x Handles



10 x Green Wall Plugs



8 x Mounting Plates



6 x Butt Hinge



4 x Nut, Bolt and Double Washer setup



1 x Magnetic Catch

### SCREWS INCLUDED Chipboard Screws

- \* 65mm Screws for attaching to wall
- \* 5mm Varianta screws for butt hinges

## Step 1 - Cabinet Assembly

**NOTE: STEP 1. IS ONLY REQUIRED IF PURCHASING CABINET WITH BED MECHANISM**

**Refer to Diagram 2**

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

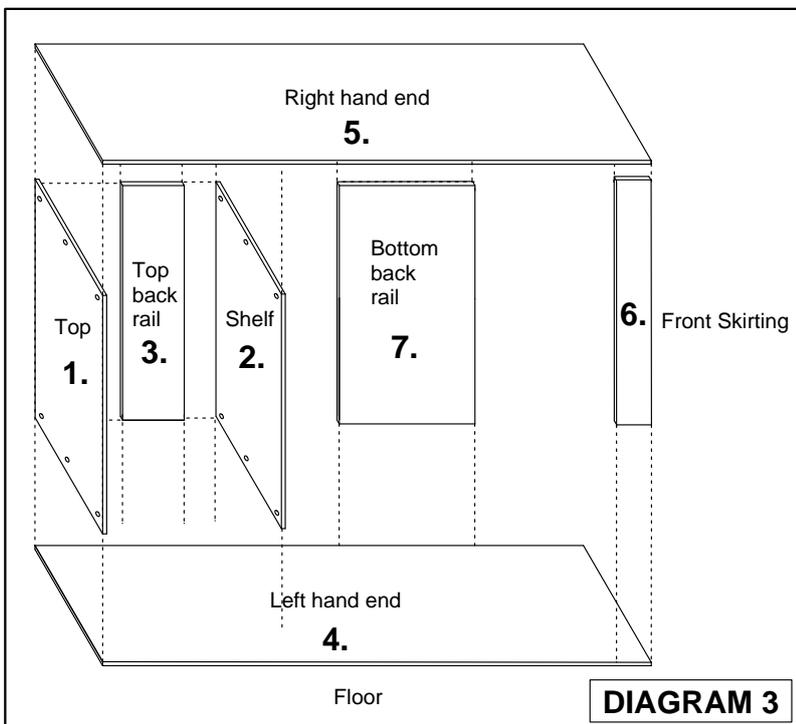
**DIAGRAM 2**



Hammer fix cam in place.



Screw fix cam bolt into 5mm holes.



**DIAGRAM 3**

**Refer to Diagram 3**

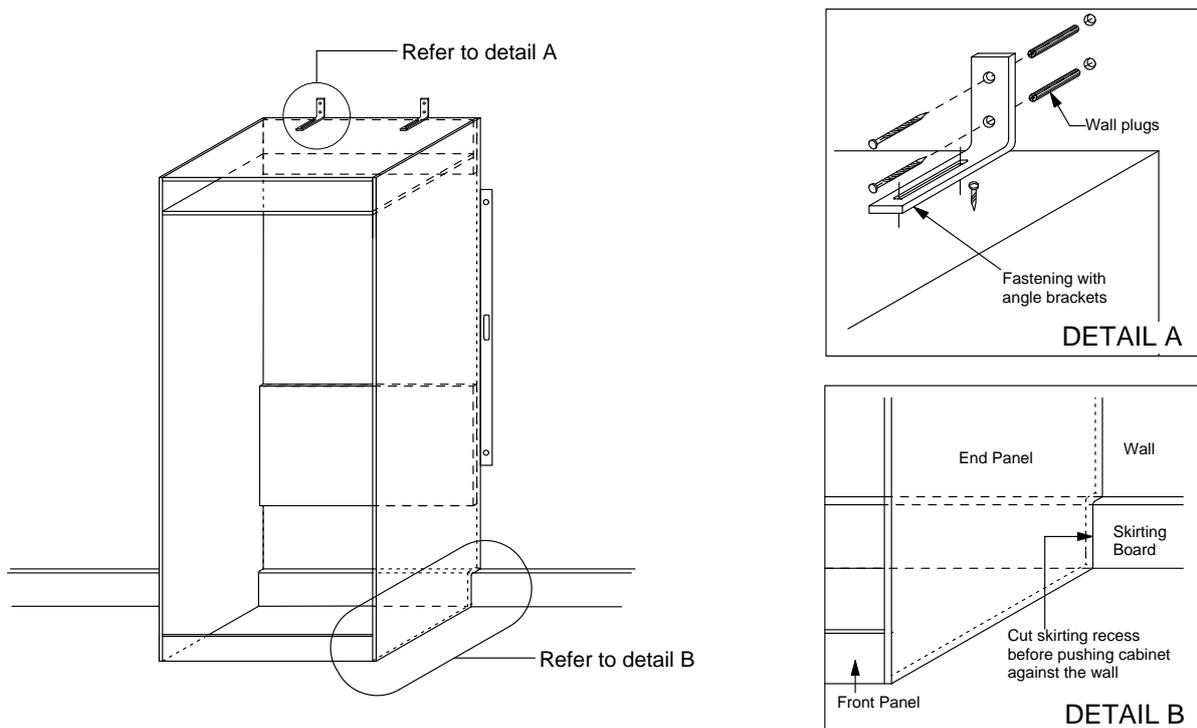
- \* Lay left hand end #3 on floor with cam bolts upright.
- \* Join shelf #2 to left hand end #3 and tighten cams.
- \* Join top #1 to left hand end #3 and tighten cams.
- \* Join top back rail #2 to left hand end #3 and top #1. Tighten cams.
- \* Join front skirting #5 to left hand and #3 and tighten cams
- \* Join bottom back rail #6 to left hand end #3 and tighten cams.
- \* Place right hand end #4 on top of panels #1, #2, #5 and #6 ensuring all cam bolts are inserted correctly. Tighten all cams.

## Step 2 - Fixing Cabinet To Wall

- \* Lay cabinet face down with bottom facing the wall.
- \* To ensure the cabinet sits neatly against the wall when upright, it may be necessary to cut a larger recess into bottom of left and right hand end of cabinet to go over skirting. (refer to detail B)

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

- \* Lift cabinet at top, pushing towards wall, being careful to have sufficient ceiling clearance.
- \* 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** **USING ANGLE BRACKETS** **(for gyprock, fibro or timber walls)**

- \* Locate wall studs and mark clearly with pencil.
- \* Sit angle brackets in cabinet top, flush with top and back edge and against the wall studs. Ensure that the twin hole side of bracket is against the wall.
- \* Fix angle brackets through wall into studs using 65mm screws provided.
- \* Ensure cabinet is in correct vertical position. Fix bottom of brackets into cabinet top using 16mm screws.
- \* Fix bottom back rail to wall. Countersink screws to avoid pillow catch scraping on them.

### **FASTENING OPTIONS 2** **(for brick/masonry walls)**

- \* Ensure cabinet is in correct vertical position.
- \* With a pencil or nail, mark the wall through the predrilled holes in the top back rail and the bottom back rail.
- \* Move cabinet aside. Using a 6.5mm masonry bit, drill 60mm deep holes into wall and insert wall plugs supplied.
- \* Move cabinet back into place against wall.
- \* Fix top back rail to wall using 61mm screws. Put on cover caps.
- \* Fix bottom back rail to wall. Countersink screws to avoid pillow catch scraping on them.

### **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.**

## Step 3 - DIY Mechanism Assembly / Instructions

### Refer to Diagram 4

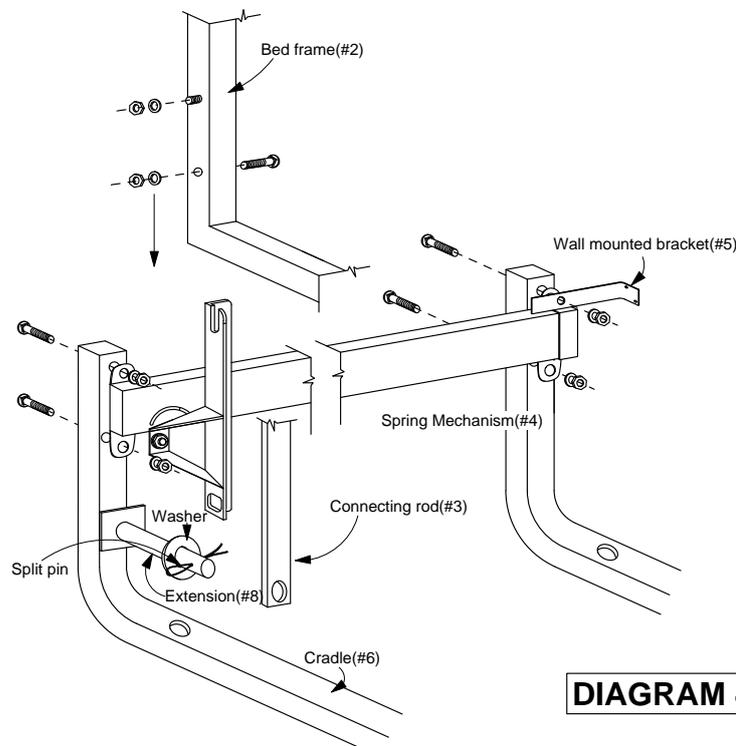
- \* Attach spring mechanisms (#4) to front and back cradle (#6) using small nuts and bolts provided. Ensure to attach the wall mounted brackets (#5) with the ends turned inwards together with the spring mechanism to the top rear bolt. (See diagram 4)
- \* Fix the cradle assembly to the floor using the 75mm screws provided. 50mm green wall plugs are also provided if fixing to concrete floor.

**NOTE: If fixing through a carpet floor, it is recommended that a small cut be made in the surrounding area to be drilled so that no threads are pulled in the carpet pile. Also if fixing to a timber floor, 2mm pilot hole is to be drilled in the floor before screwing through the cradle into the floor.**

- \* Once the cradle is fixed to the floor, fix the wall mounted brackets (#5) to the wall using the 28mm screws provided. 50mm green wall plugs are also provided if fixing to concrete or brick walls.

**NOTE: It is very important that the cradle is fixed back to the wall and floor securely as there will be substantial tension exerted on the cradle when the mechanism is in the lowered position.**

- \* If not using pillow catch, bolt on mattress guard(s) to the top of the bed frame through the predrilled holes and using nuts and bolts provided.
- \* Lower the bed frame in between the mechanism arms and bolt through the predrilled holes to the cradle assembly. You might find that the bed frame will be a tight fit in between the mechanism arms. (See diagram 4)
- \* Remove the split pin and washer from the extension (#8) and attach the connecting rod (#3) to the extension through the predrilled hole on the connecting rod (#3) and replace the washer and then the split pin. You might need to lower the bed frame slightly to line up the extension (#8) and the connecting rod (#3). (See diagram 4)

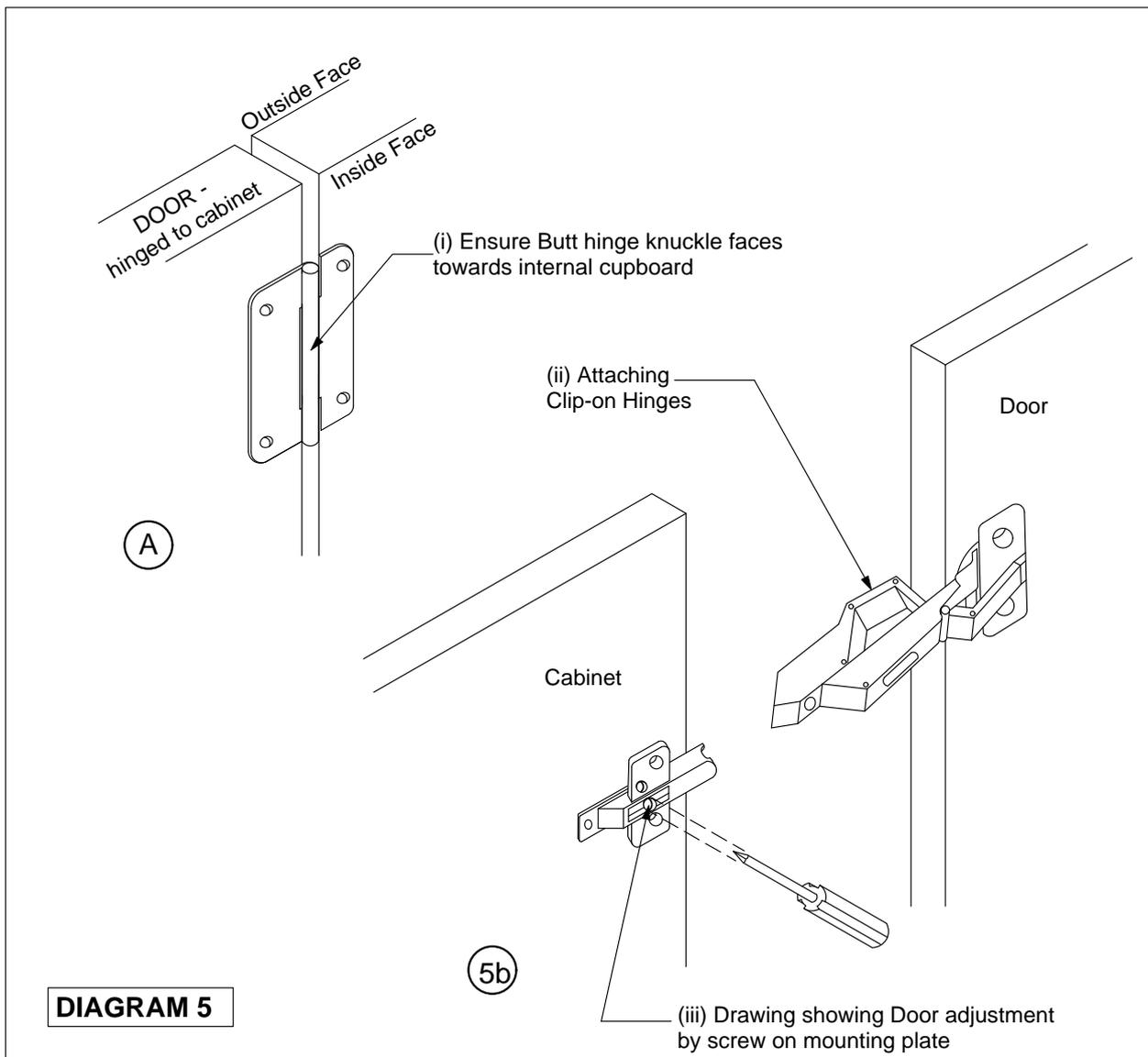


- \* Attach the red handle supplied to the Automatic foot (#1) using the screws provided. To avoid damage to the connecting rod, be sure that the bed is lowered using the red handle.

### **WARNING**

**When operating the wall bed 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. Do not try to vary the tension of the spring mechanism as it is NOT adjustable.**

## Step 4 - Mounting Bi-Fold Doors

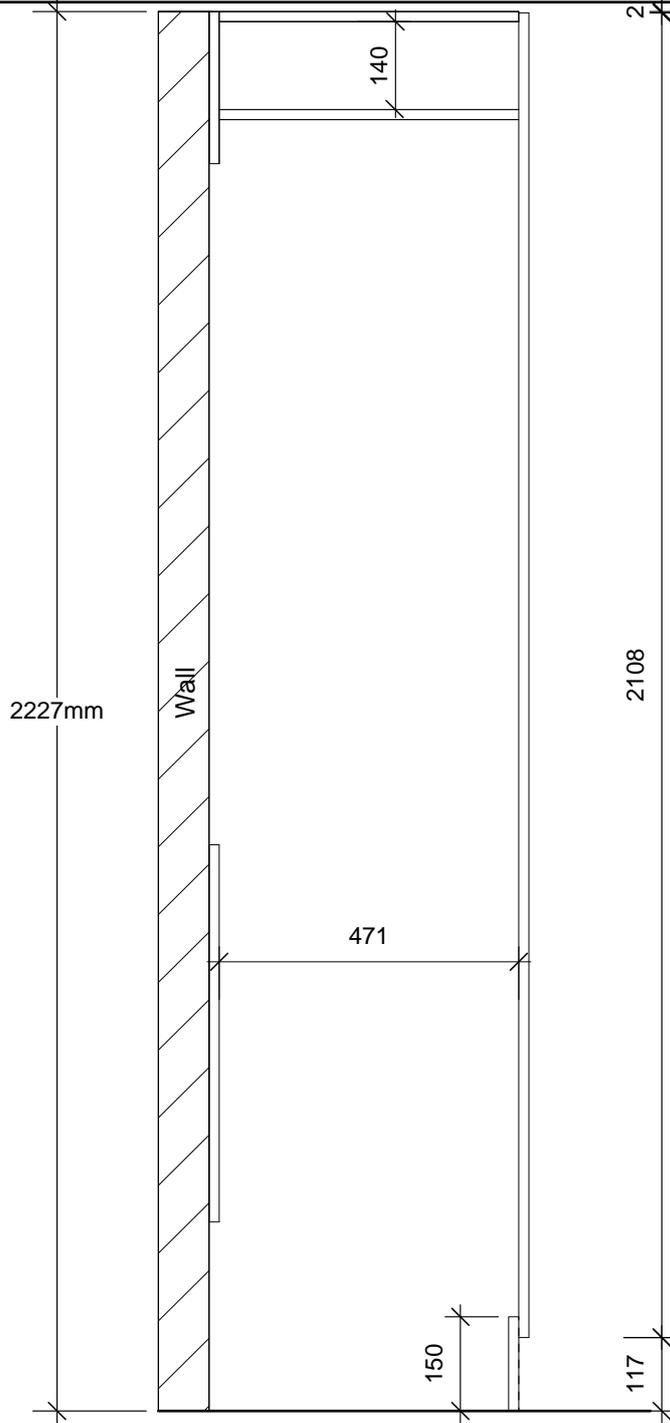


- \* Attach butt hinges to door panel inside face to form two sets of bi-fold doors.

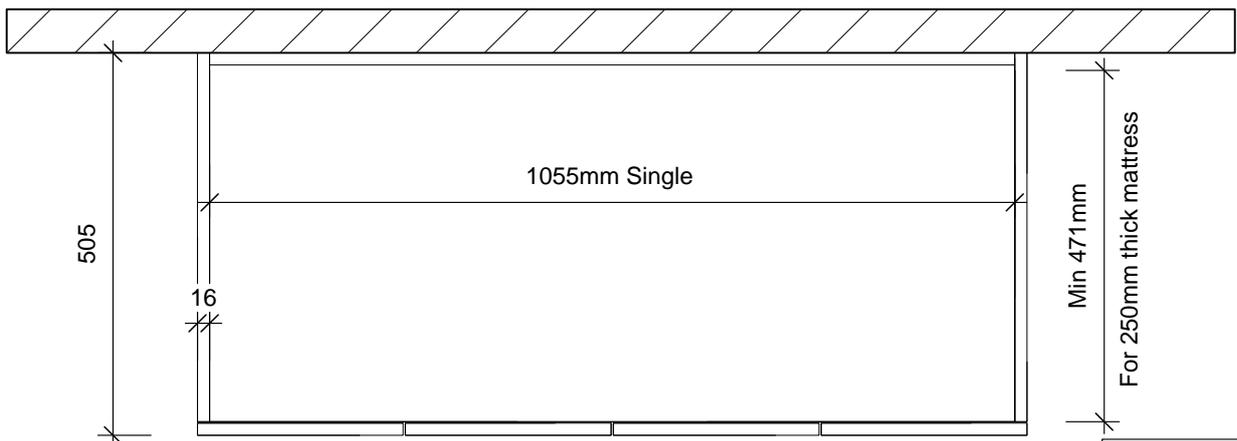
### Note: Ensure that hinge is on inside of doors

- \* Insert clip-on hinges into hinge holes on outside edges of door panels. Fix hinges to doors using screws provided.
- \* Attach doors to cabinet by clipping hinges onto mounting plates on cabinet end panels.
- \* Adjust doors if necessary by screw adjustment where hinge meets hinge plate.
- \* Attach handles to doors.

# Carcase Construction



NOTE: ALL BASED ON 16mm BOARD CONSTRUCTION



**DIAGRAM 11**