

A motorised mechanism to reveal a display from the ceiling. This version hinges down by 90 degrees and then swivels up to 180 degrees of in both directions.

The size reference for this version is **CHRS5-RES**.

The mechanism is fixed in place before the ceiling is finished. Supplied with MDF plaster edging to neatly plaster into ceiling.

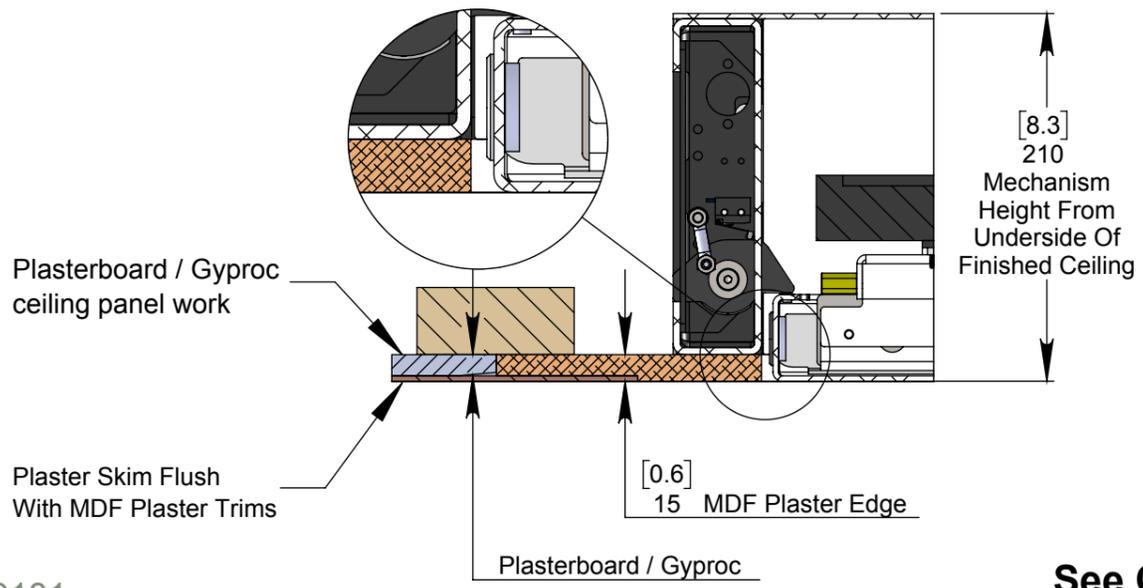
The control system can be operated via infra-red, RS232 or contact closure inputs.

Speakers can be added with the use of standard speaker mount brackets. (If required please specify during ordering process.)

See overview technical sheet for details on other products in the range.

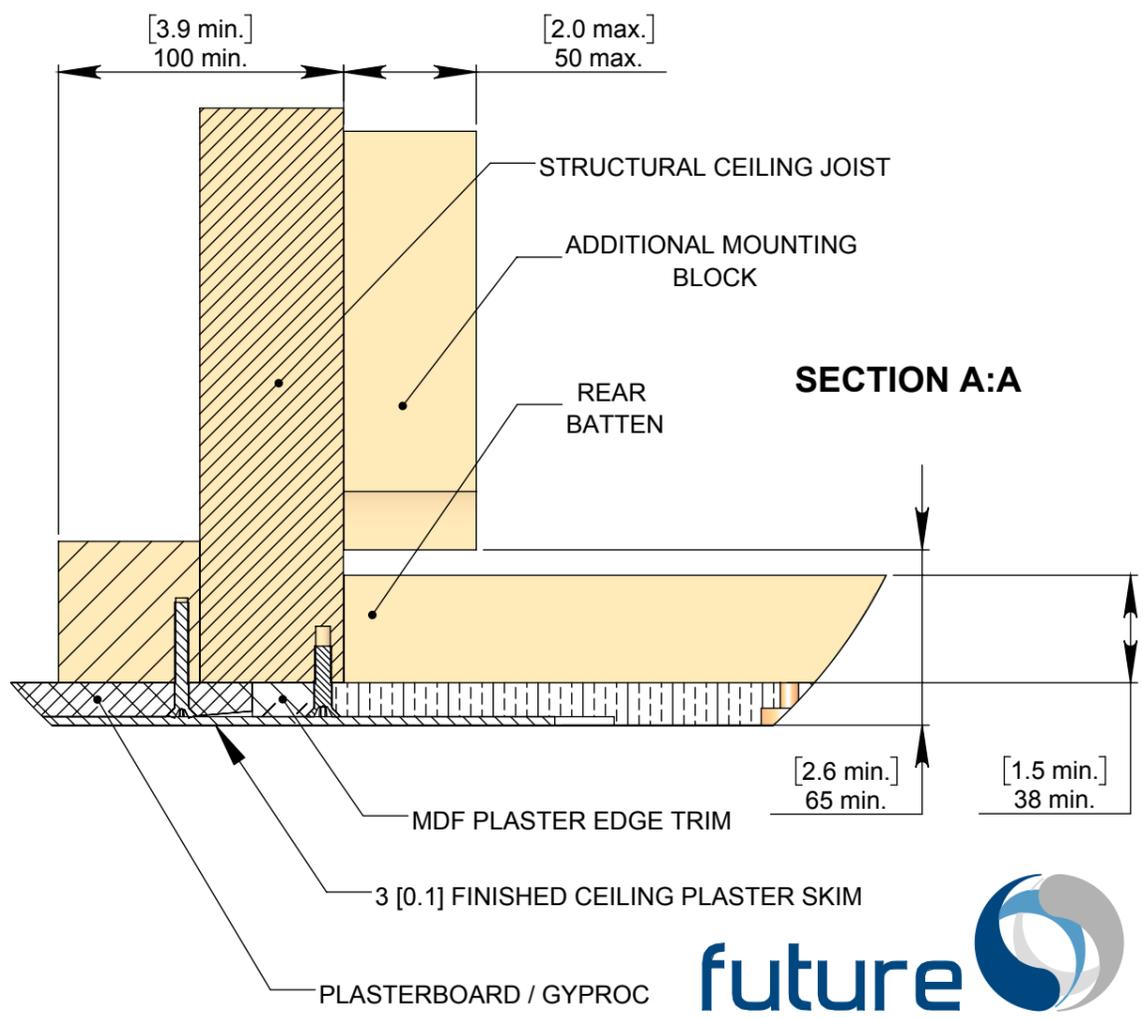
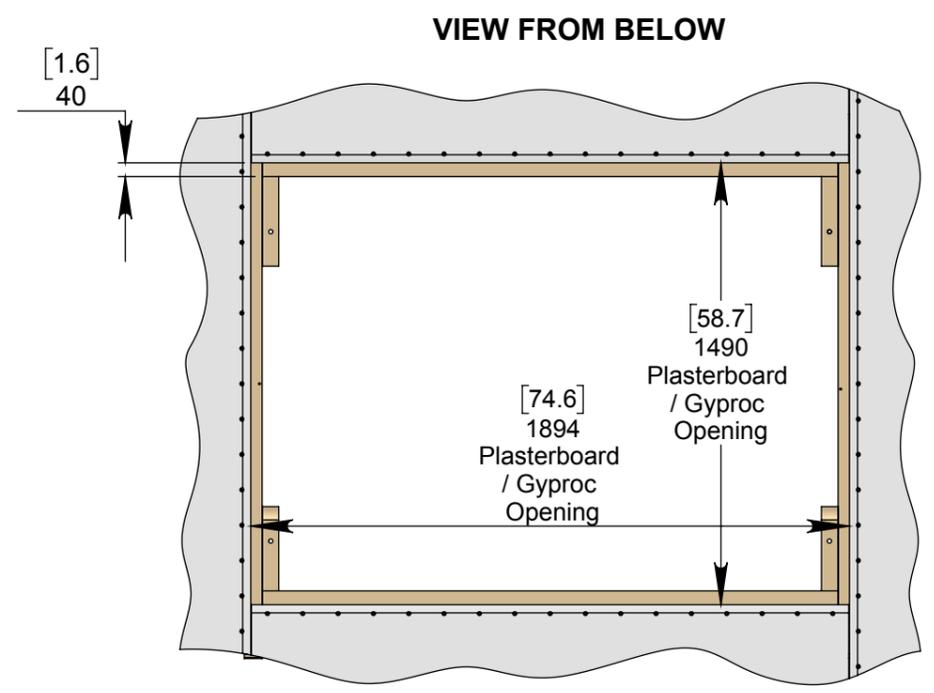
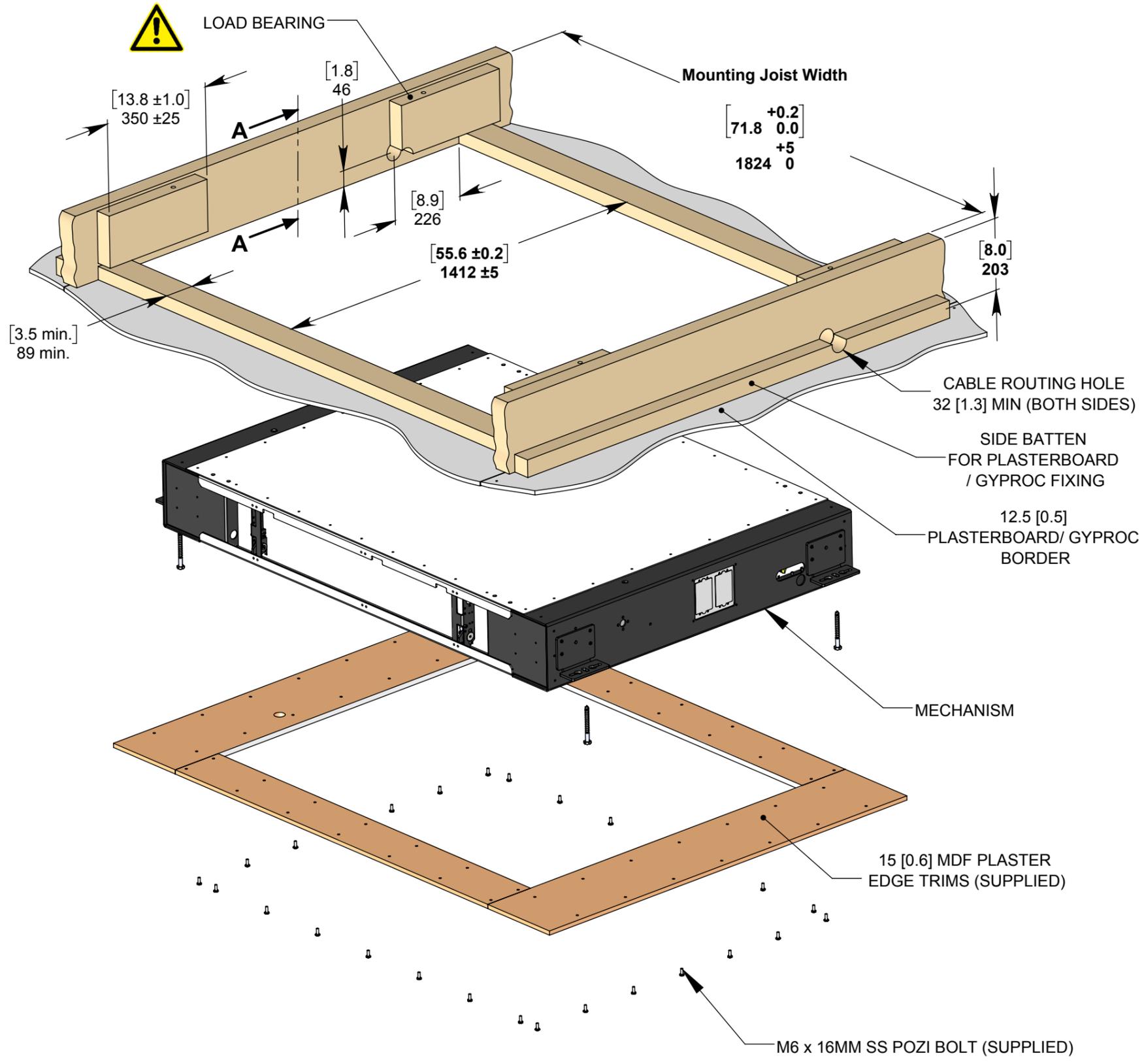
Model Code	CHRS5-RES
Max Screen Size	1330 [52.4] x 800 [31.5] x 100 [3.9]
Max Screen Weight	40kg [88lbs]
Approx Mechanism Weight	140kg [308lbs]
Environment	Residential
Colour	WHITE - RAL9910 Satin Finish
Control System	Accessible by internal access hatch
Ceiling Void Required For Fitting	1824 [71.8] W x 1305 [51.4] L x 210 [8.3] D

### RESIDENTIAL MDF PLASTER EDGE

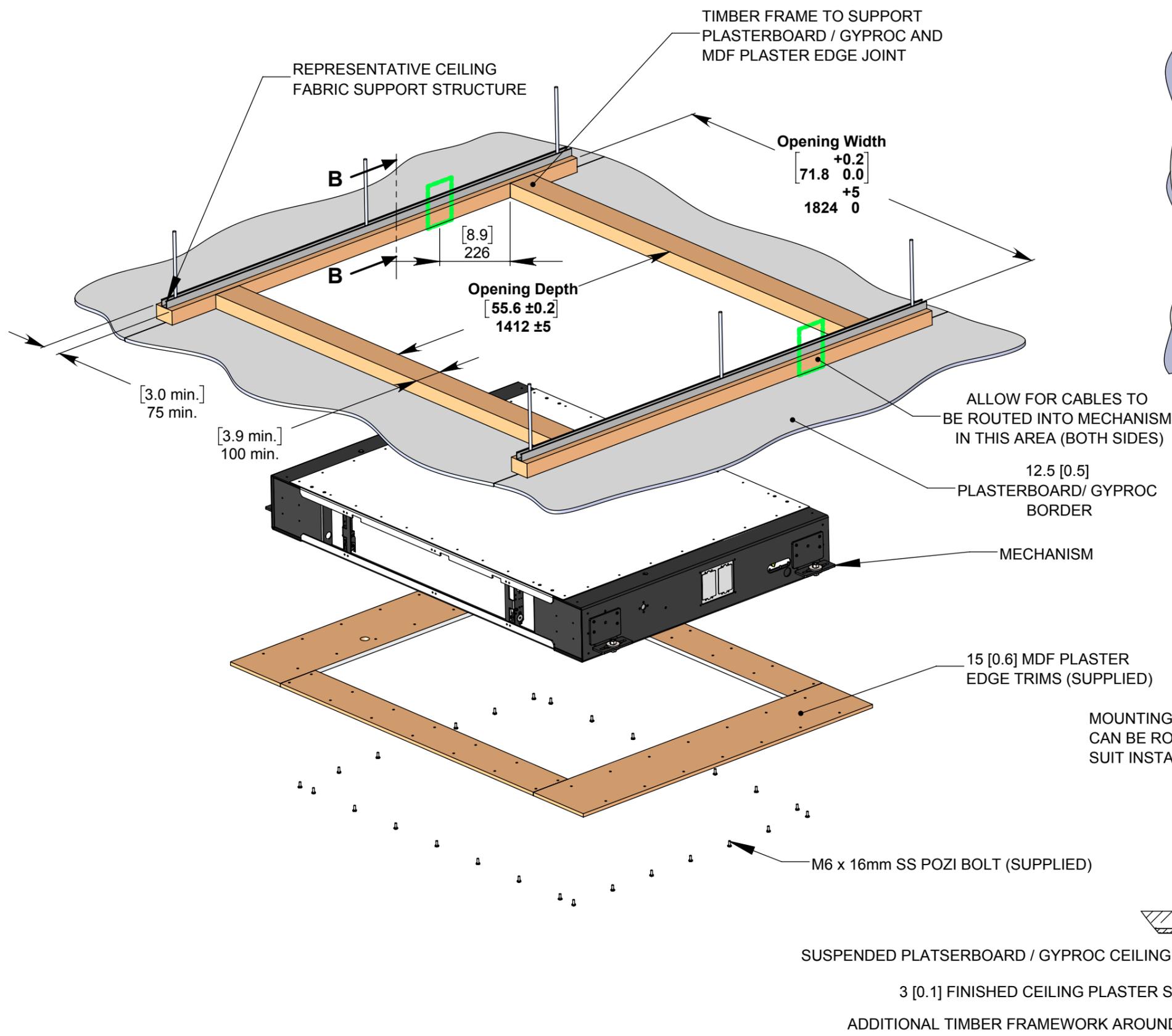


NOTE: This mechanism is not designed to accommodate additional panelwork on the main hinging tray. Please see **Tech Note - CHR-RES-AP Addon Panel Technical Note** for more information.

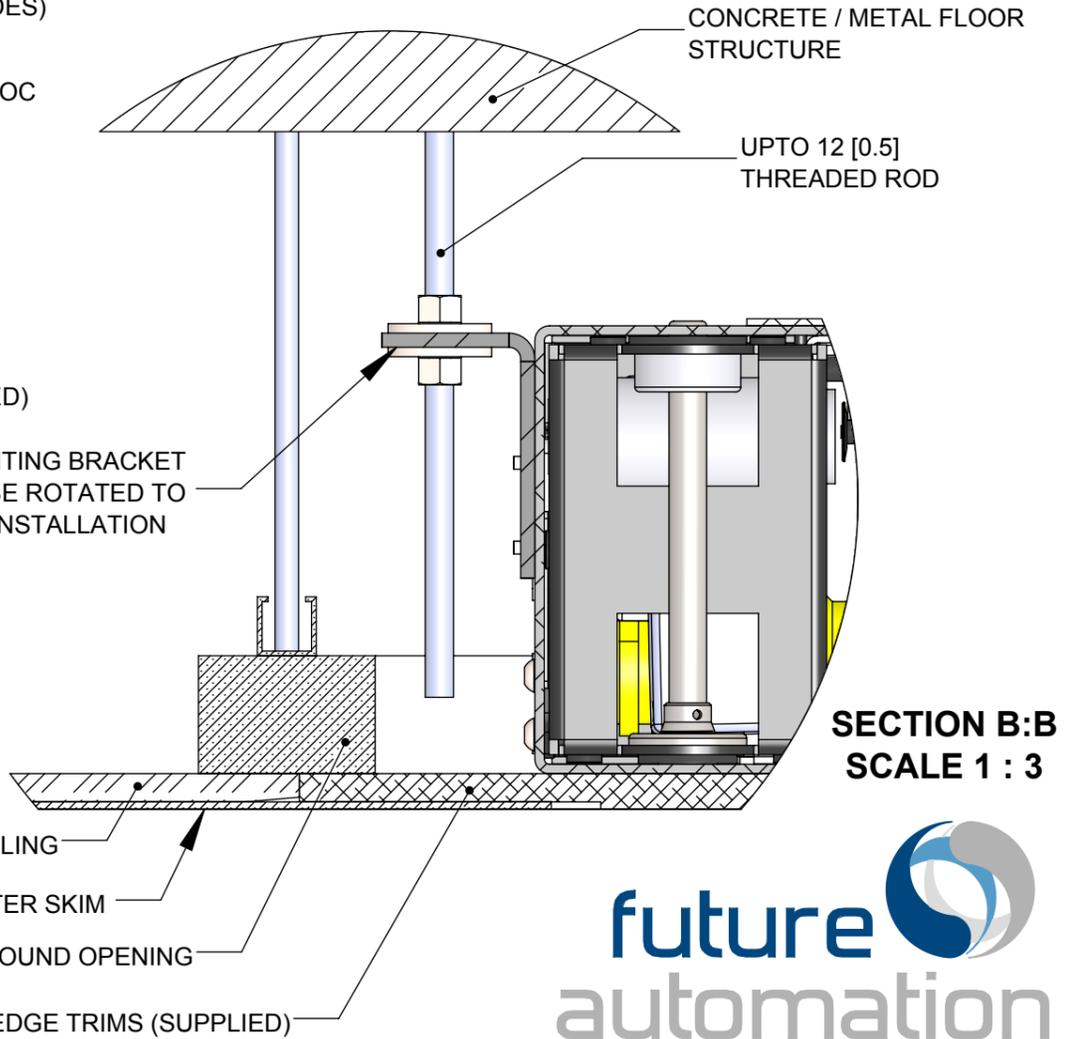
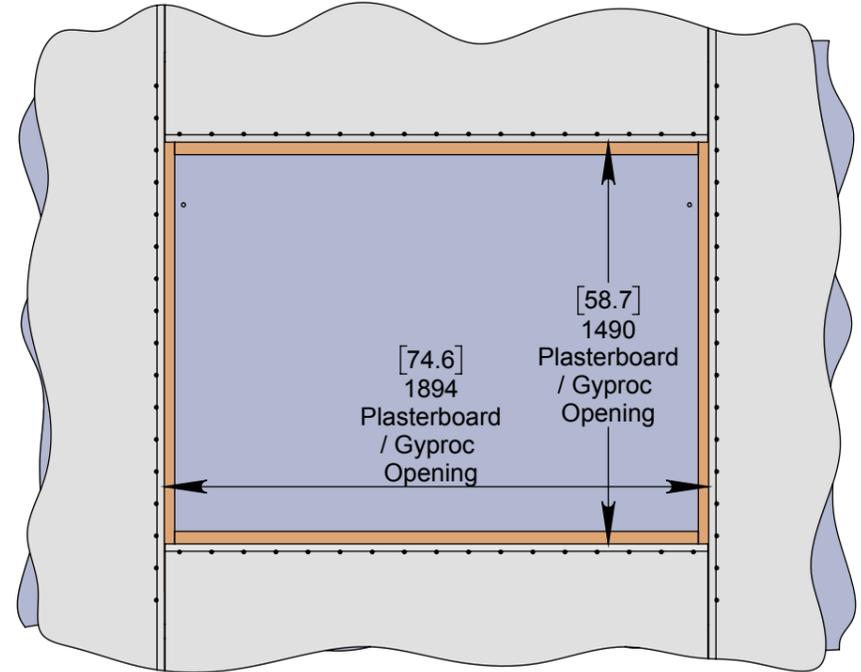
### OPTION 1 - FIXING TO WOODEN BEAMS



### OPTION 2 - SUSPENDING FROM CEILING STRUCTURE ABOVE



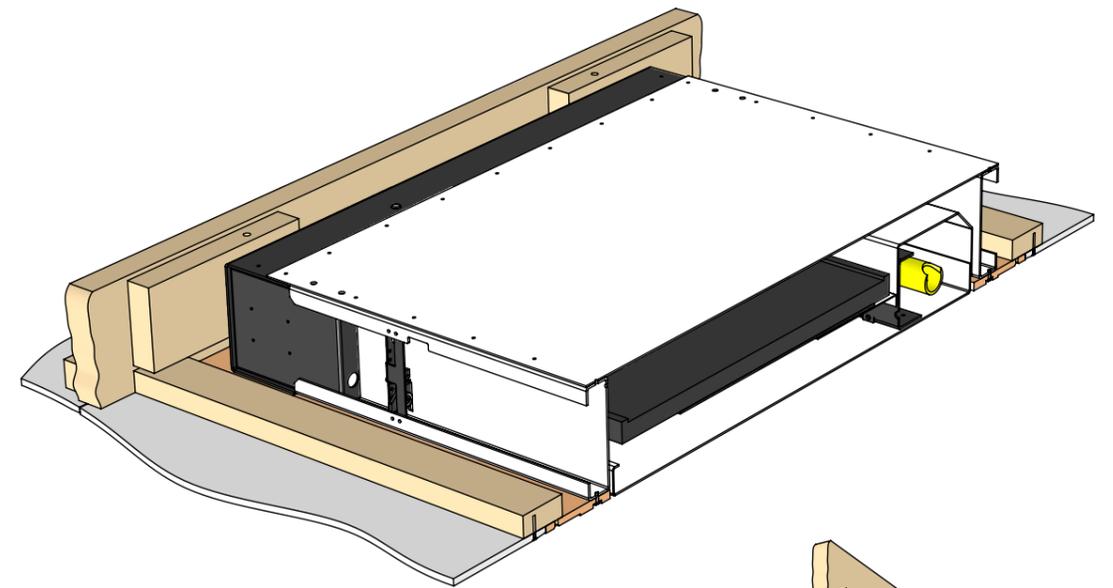
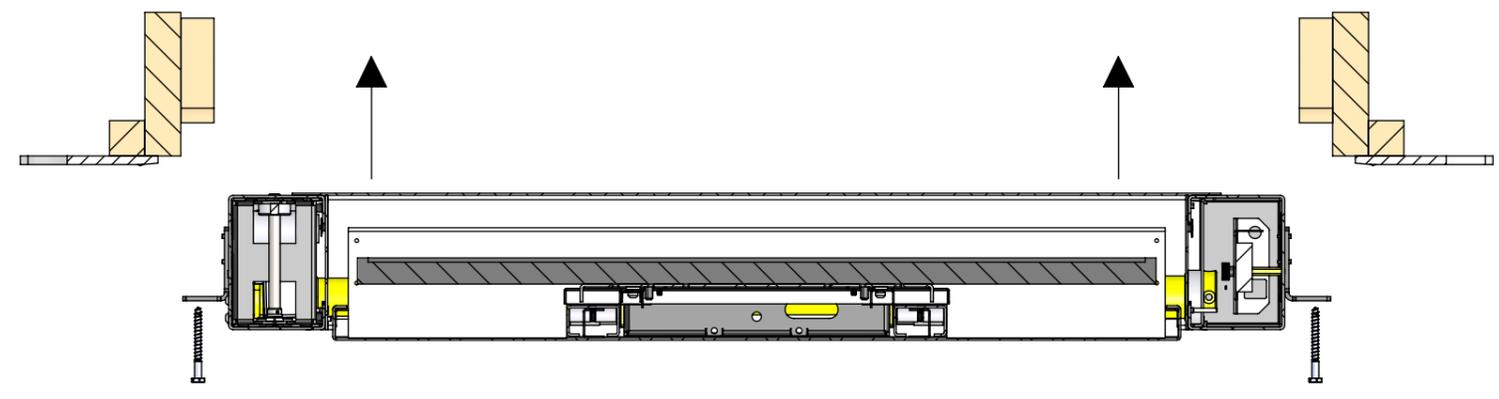
### VIEW FROM BELOW



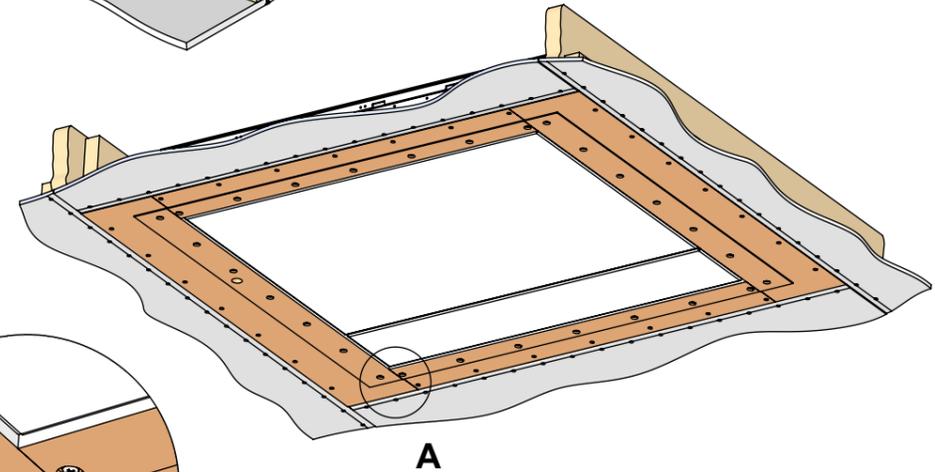
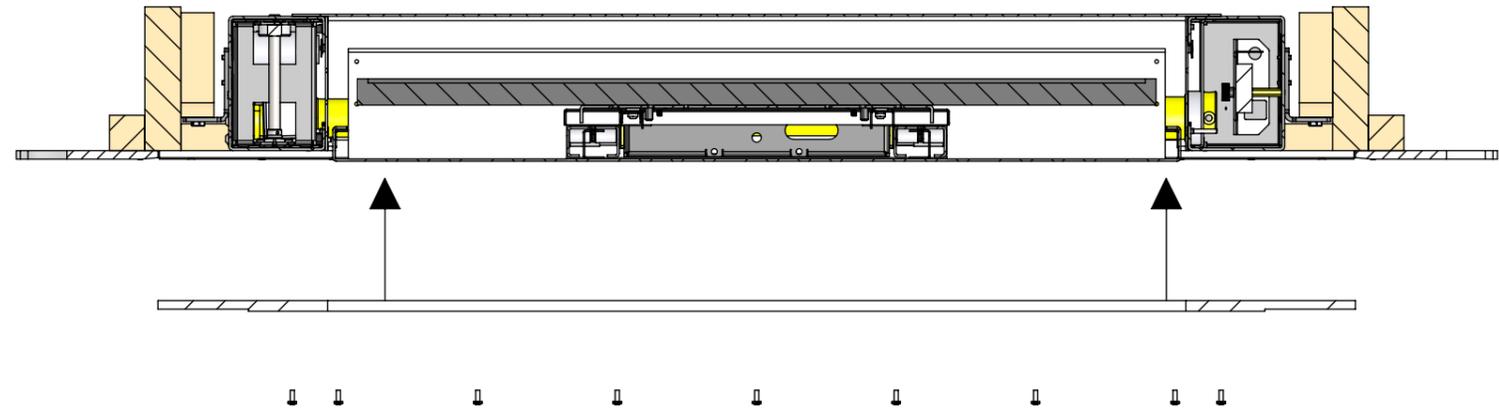
### INSTALLATION PROCEDURE

#### 1 Mechanism Installation

THE INSTALLATION PROCEDURE IS CARRIED OUT IN THE SAME WAY FOR OPTION 1 OR OPTION 2



#### 2 MDF Plaster Trim Installation

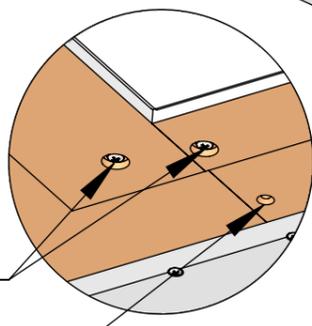


**DETAIL A**  
SCALE 1 : 5

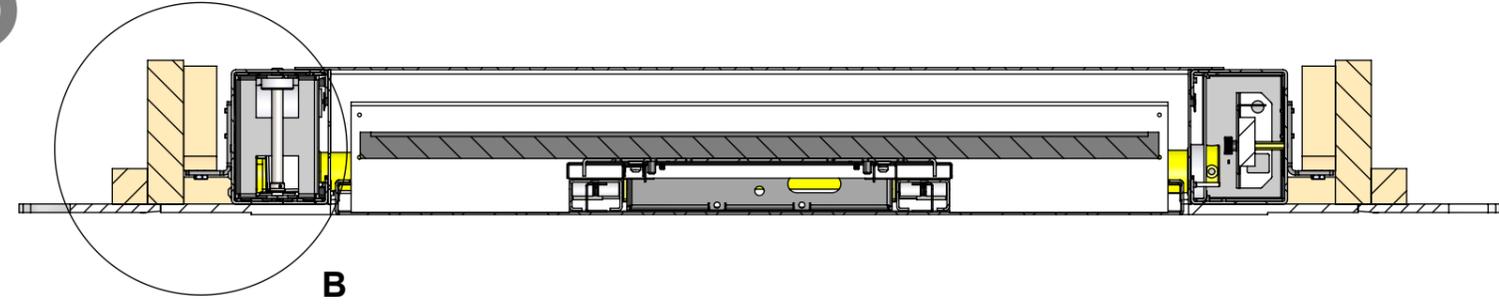
28 No. OFF  
SS M6 x 16MM  
POZI (SUPPLIED)

28 No. OFF  
MDF SCREW  
(NOT SUPPLIED)

SUITABLE FIXING  
(NOT SUPPLIED)



#### 3 Plastering

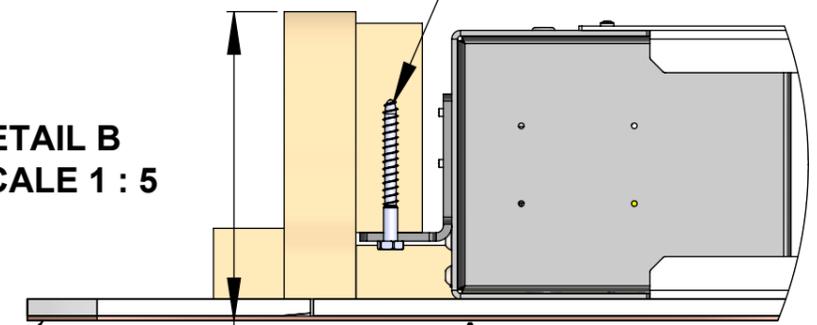


**DETAIL B**  
SCALE 1 : 5

3 [0.1] FINISHED  
CEILING PLASTER  
SKIM

FINISHED CEILING

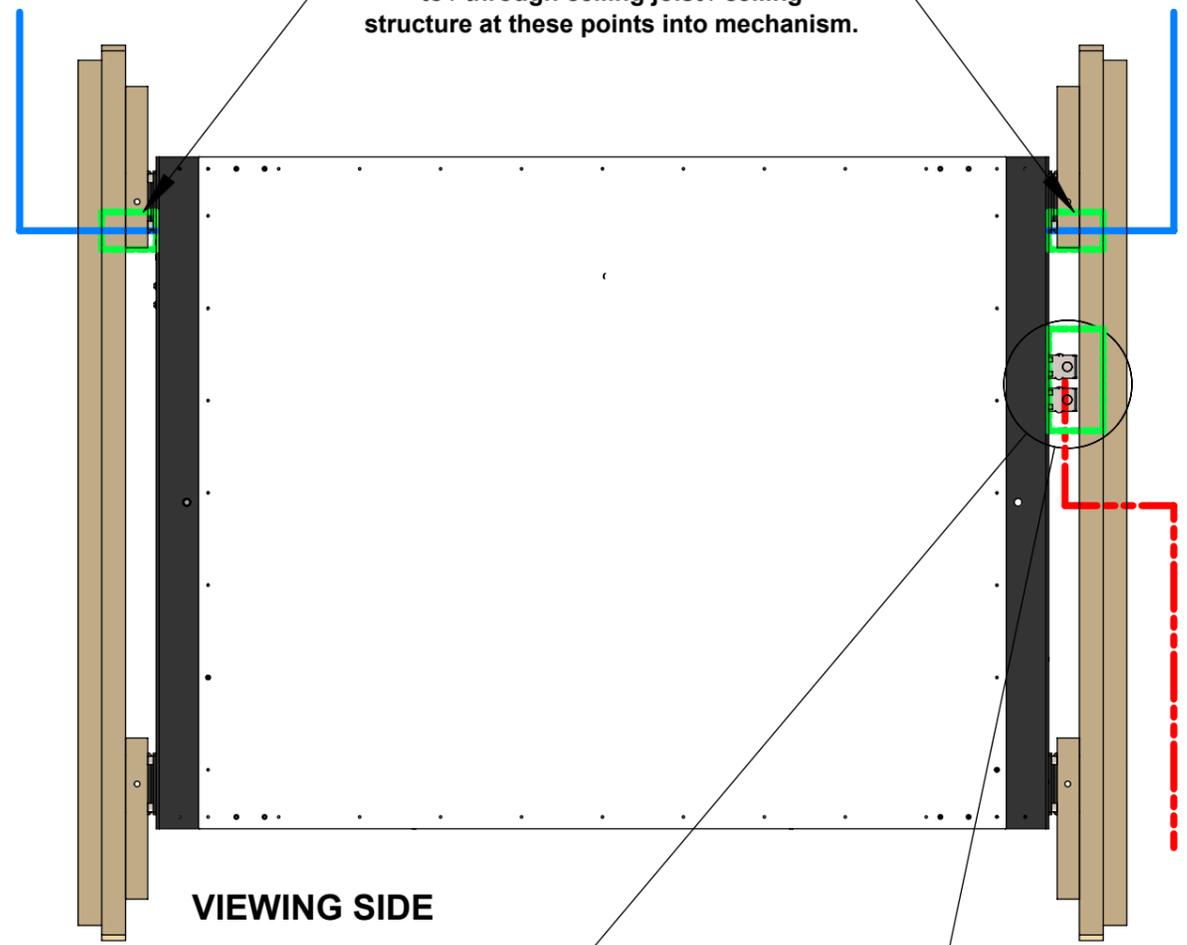
[8.6]  
218



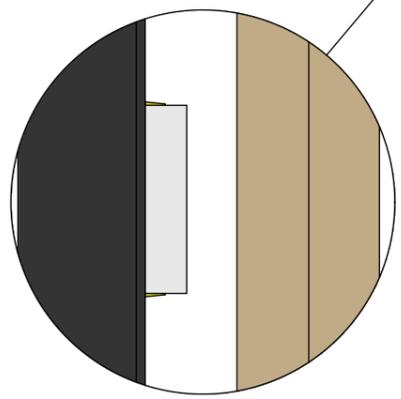
### CEILING PREPERATION

— AV Signal Cables / Mechanism Control Cables  
 - - - Power Cable for Mechanism and AV

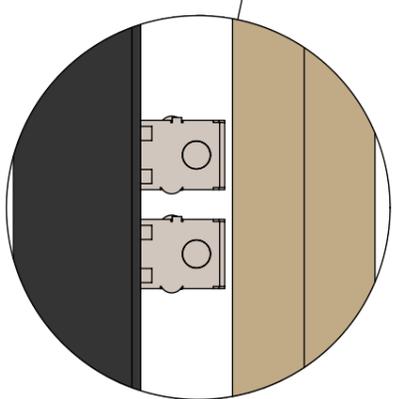
Ensure Cables can be routed to / through ceiling joist / ceiling structure at these points into mechanism.



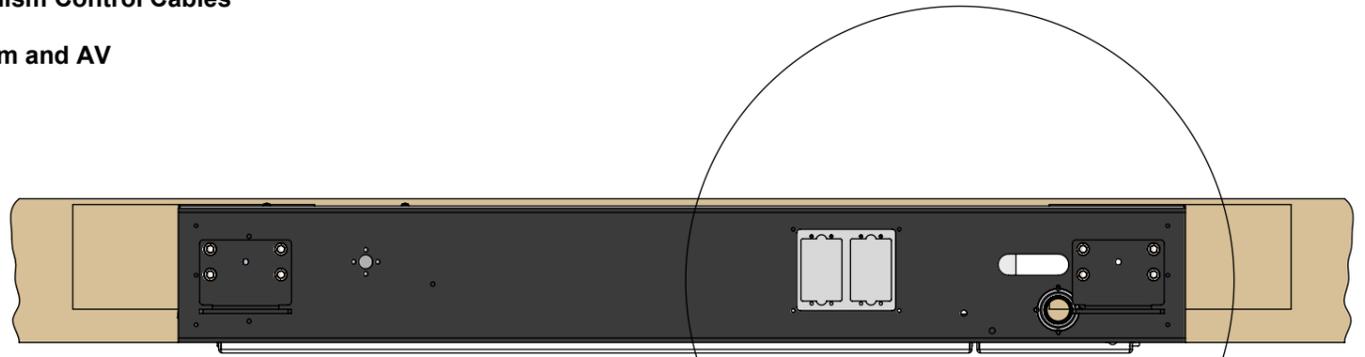
VIEWING SIDE



UK 2G Mains  
Plasterboard  
Back Box



2 No.  
US J-Box



### Cable Routing

Cables for the screen can be routed in from both sides, allowing for power and signal cables to be separated when entering the mechanism.

The opening on both sides is **MIN. 32mm [1.3"]** in diameter allowing for multiple cables to be routed to the screen.

A power outlet mounting plate is supplied in the right hand gearbox allowing for UK and US power outlets to be wired directly into the mechanism.

