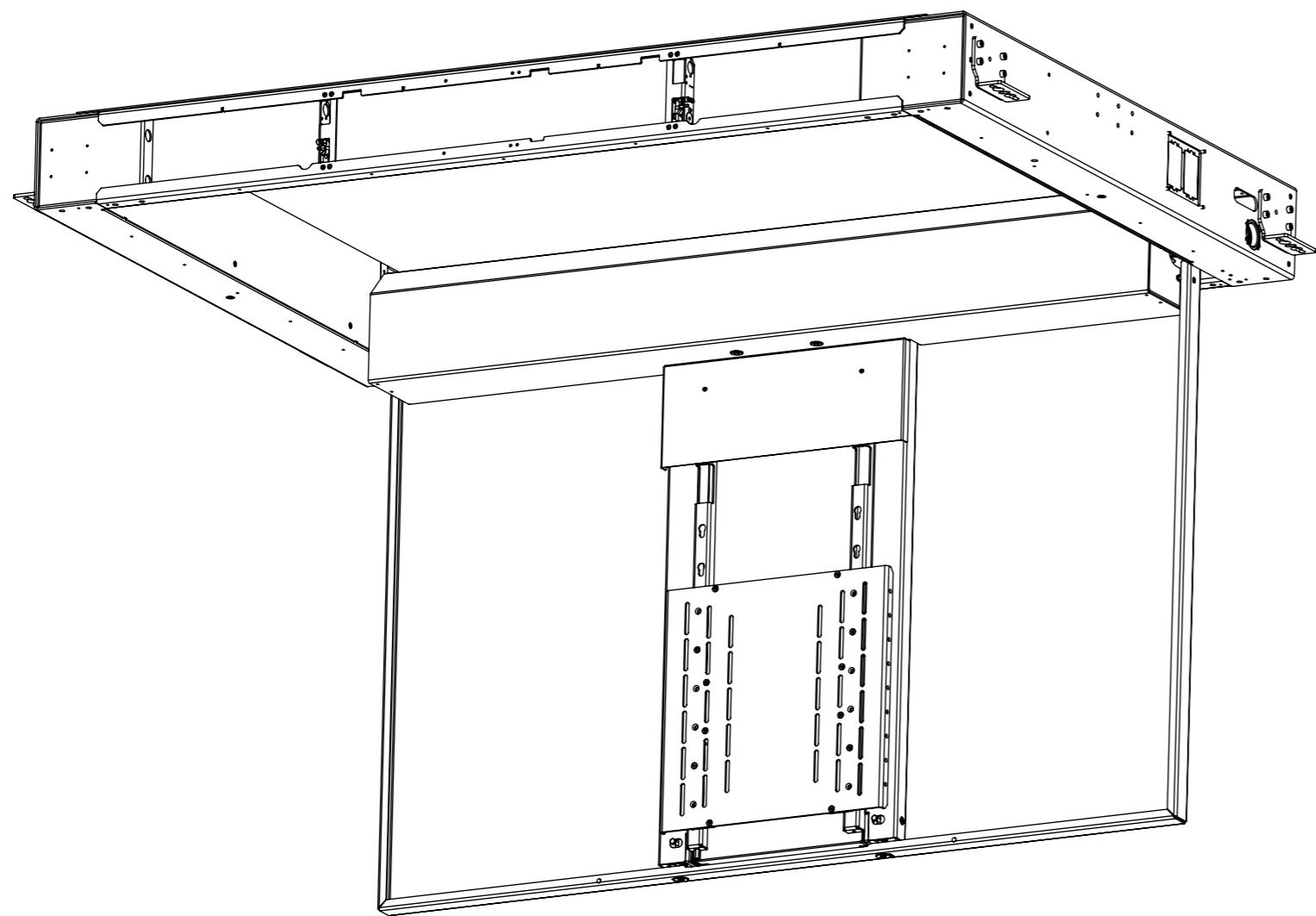


# CHR7-RES

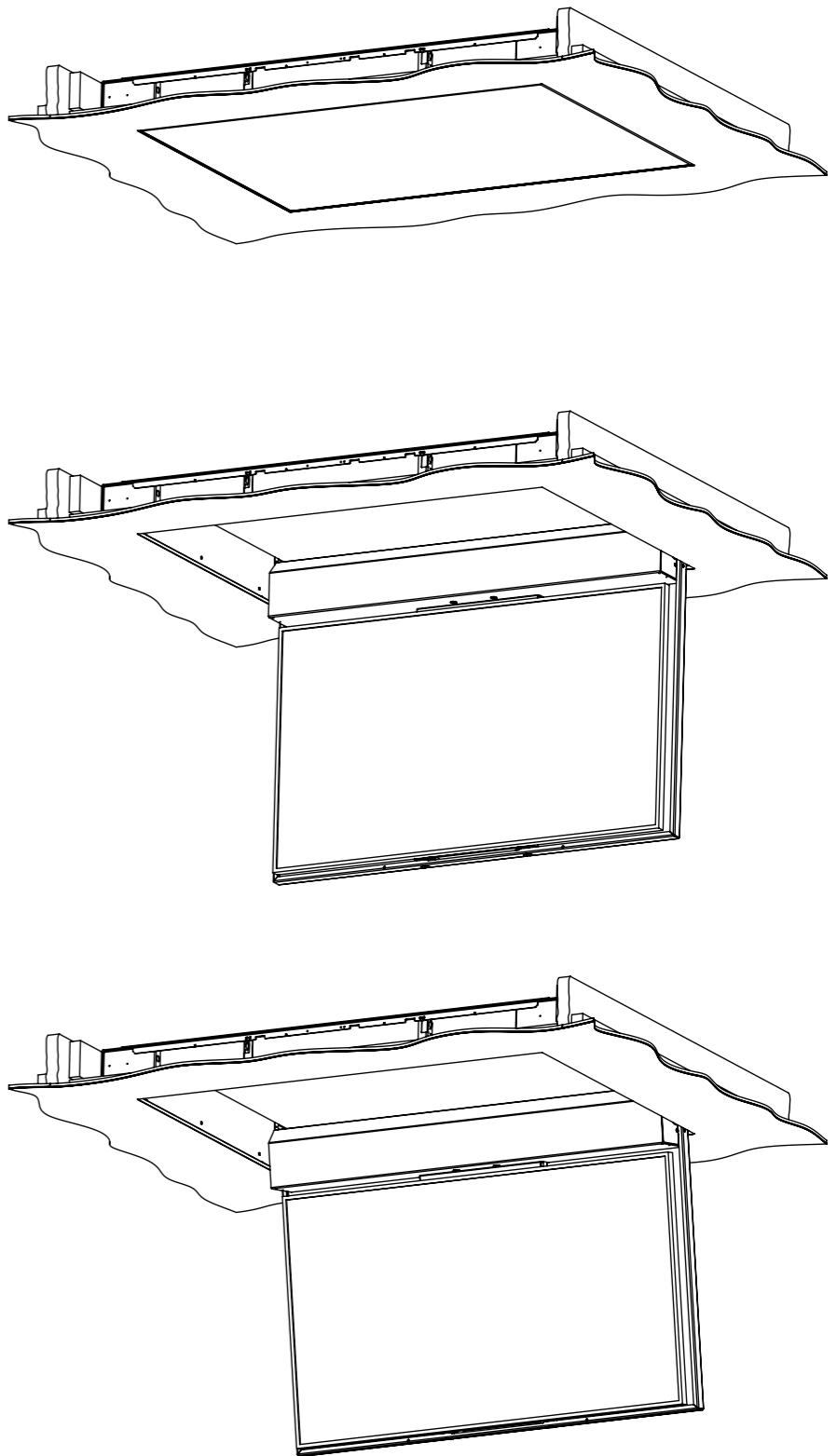
## RESIDENTIAL CEILING HINGE RANGE



future automation



MECHANISM AS SUPPLIED



# CHR7-RES

## RESIDENTIAL CEILING HINGE RANGE



future automation

| SPECIFICATION               | MEASUREMENTS   |
|-----------------------------|--|
| Product Dimensions          | 2224mm [87 9/16"] W x 1425mm [56 2/16"] L x 210mm [8 4/16"] D                                |
| Product Weight              | 170Kg [375lb]  |
| Maximum Screen Size         | 1730mm [68 2/16"] W x 1010mm [39 12/16"] L x 100mm [3 15/16"] D                              |
| Maximum Weight Capacity     | 65Kg [143lb] Max. <i>*Assuming Screen Weight Biased Low (3/4 Screen Height)</i>              |
| Packaging Dimensions        | 2260mm [89"] W x 1600mm [63"] L x 440mm [17 5/16"] D   |
| Shipping Weight             | 321Kg [708lb]  |
| Maximum Rotation            | 100 ° - programmable limit to 90 °   |
| Movement Type               | Motorised  |
| Control System              | Housed Internally - Accessible by Internal Access Hatch                                      |
| Power Supply Required       | 110V - 240V AC 50/60Hz   |
| Power Consumption Max.      | 720W   |
| Power Consumption Standby   | 3W   |
| Mounting Patterns Supported | VESA 400, 300, 200 W x 400, 300, 200 H   |
| Control Options             | IR Remote, RS232, Contact Closure  |
| Product Options / Features  | Specific B&O and Loewe mounts / adapters, Custom RAL paint finishes, Marine suitable version |
| Package Contents            | Mechanism, IR remote control   |
| Environment                 | Residential / Commerical   |
| Colour                      | WHITE - RAL9910 Satin Finish   |
| Marine Suitable             | No - Marine Indoor and Outdoor Versions Available  |

# CHR7-RES

## RESIDENTIAL CEILING HINGE RANGE

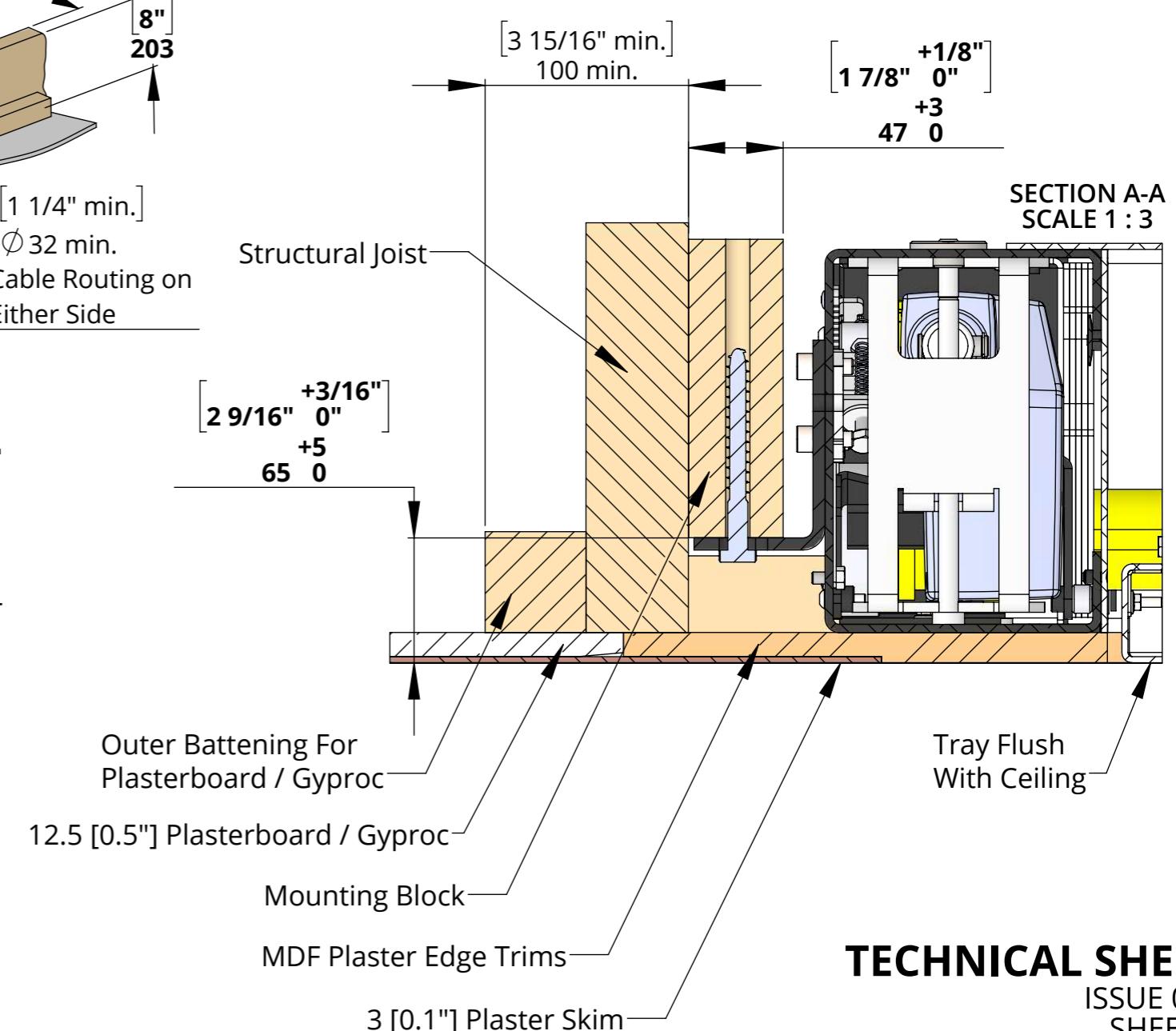
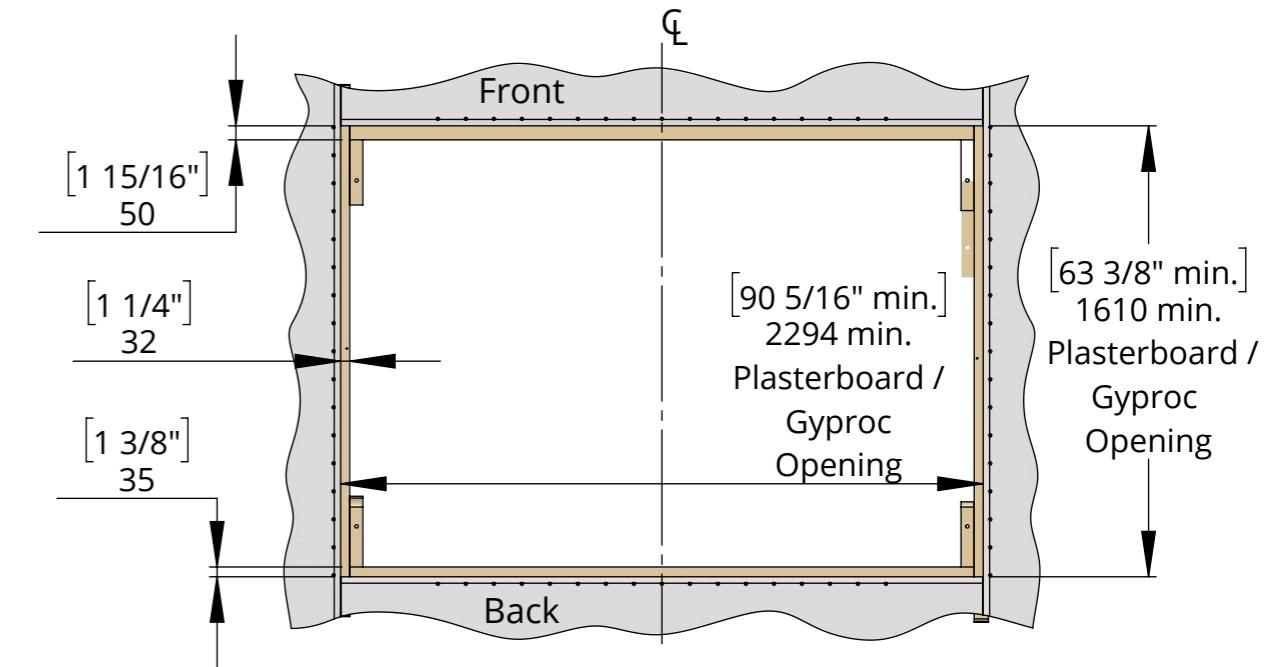
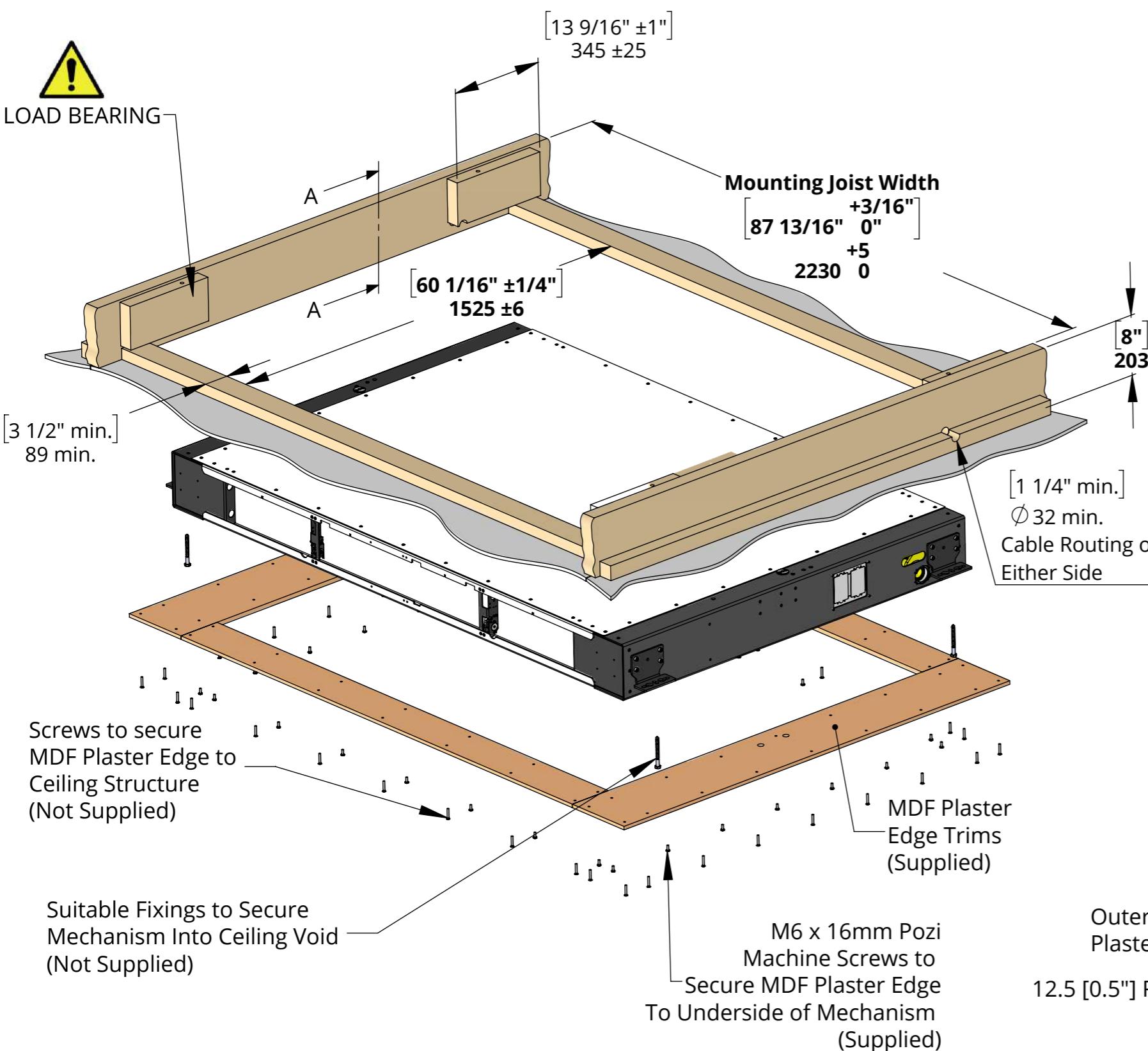


future automation

### OPTION 1 - FIXING TO WOODEN BEAMS



LOAD BEARING



# CHR7-RES

## RESIDENTIAL CEILING HINGE RANGE



future automation

### OPTION 2 - FIXING INTO SUSPENDED CEILING



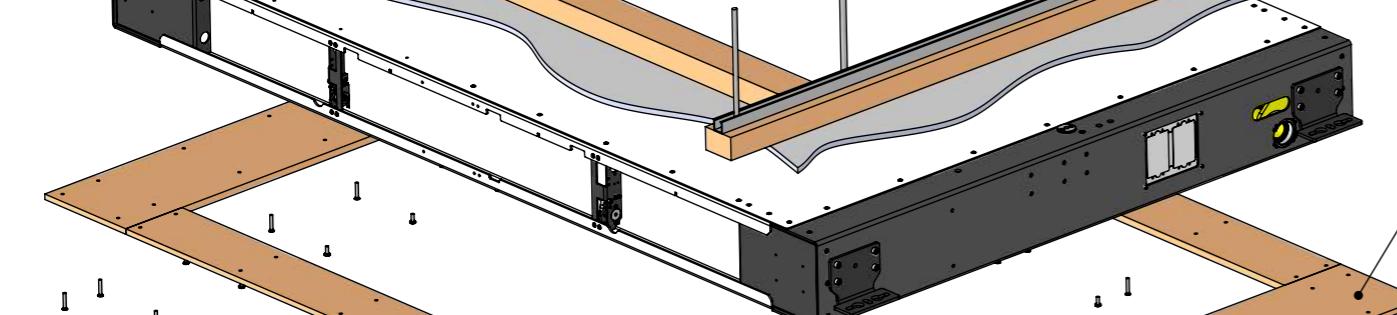
LOAD BEARING  
4 x Threaded Rods to  
Secure Mechanism  
12.5 [0.5"] Max.

Timber Frame to  
Support MDF Plaster  
Edge Trims

[87 13/16" 0" +3/16"]  
2230 0 +5

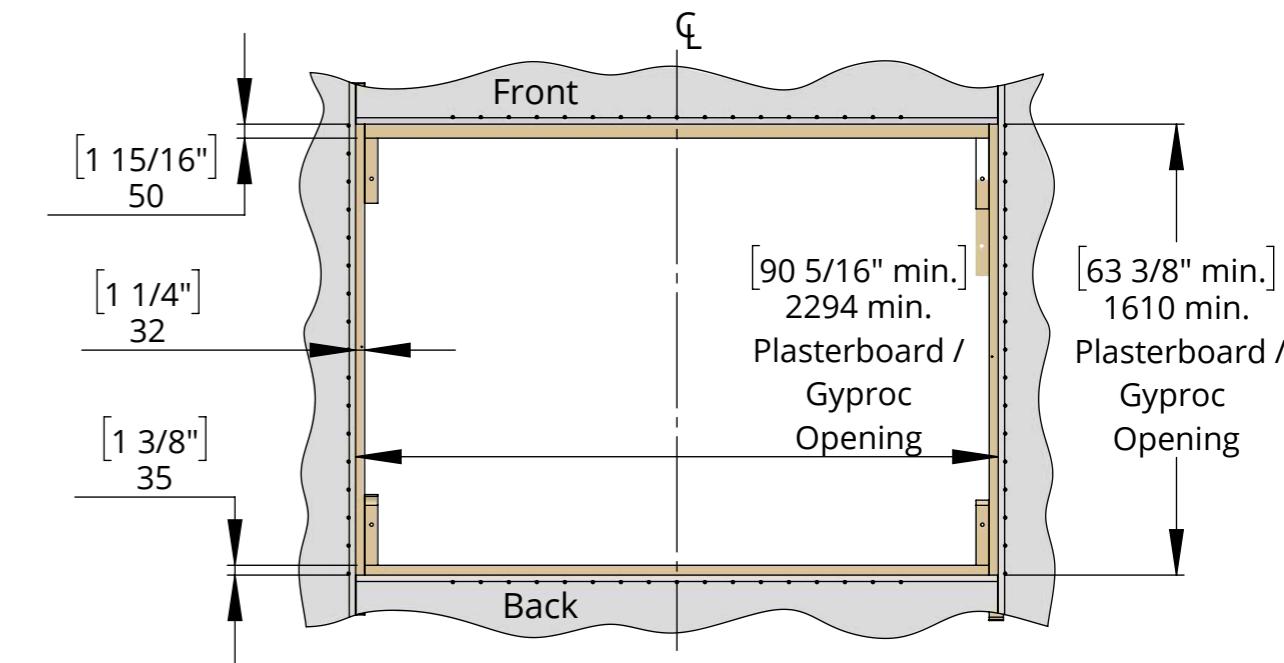
[60 1/16" ±1/4"]  
1525 ±6

[3 1/2" min.]  
89 min.



Screws to secure  
MDF Plaster Edge to  
Ceiling Structure  
(Not Supplied)

M6 x 16mm Pozi  
Machine Screws to  
Secure MDF Plaster Edge  
To Underside of Mechanism  
(Supplied)



Mounting Bracket Can Be  
Rotated to Suit Installation

MDF Plaster Edge Trims  
(Supplied)

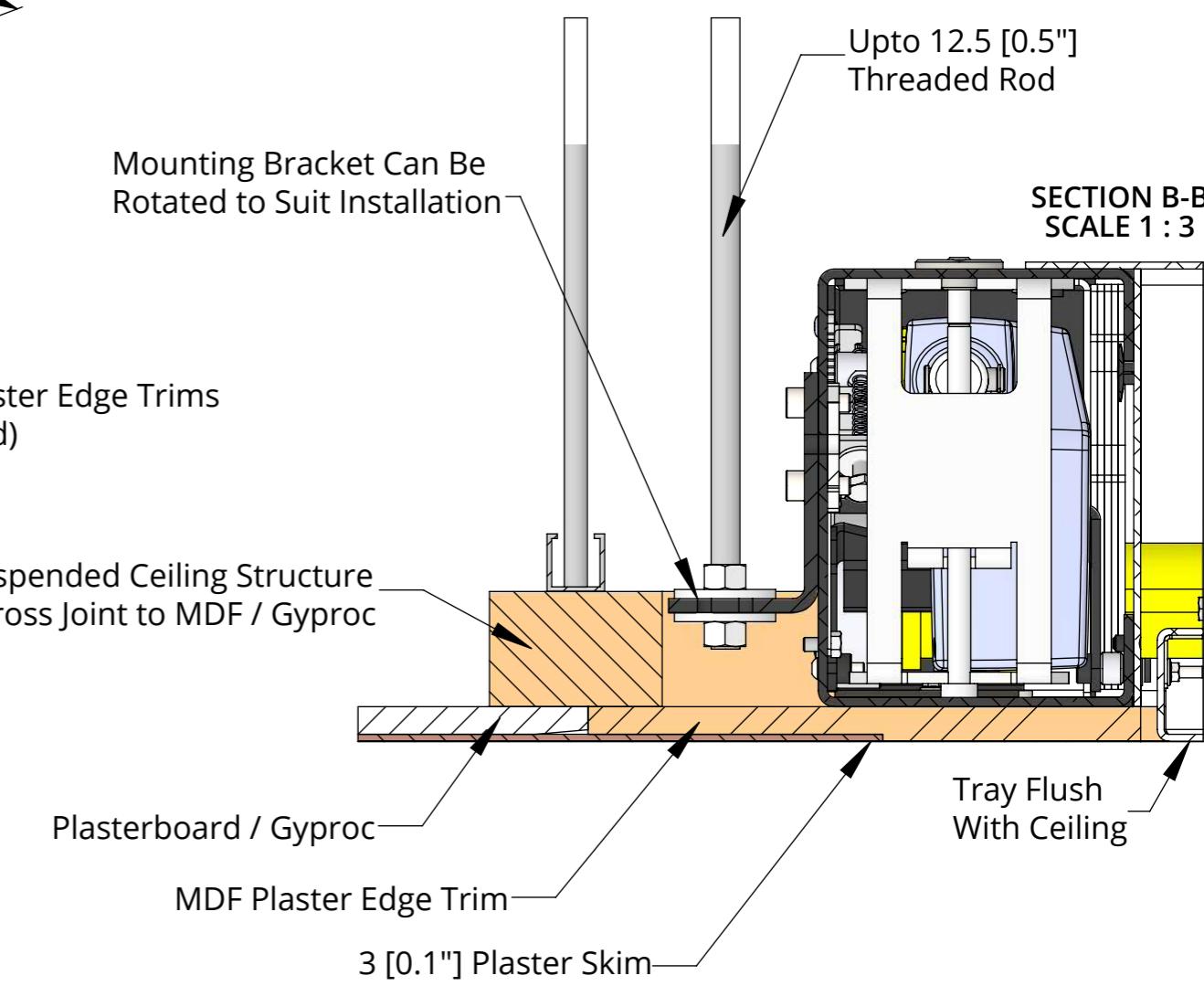
Suspended Ceiling Structure  
Across Joint to MDF / Gyproc

Plasterboard / Gyproc

MDF Plaster Edge Trim

3 [0.1"] Plaster Skim

SECTION B-B  
SCALE 1 : 3



# CHR7-RES

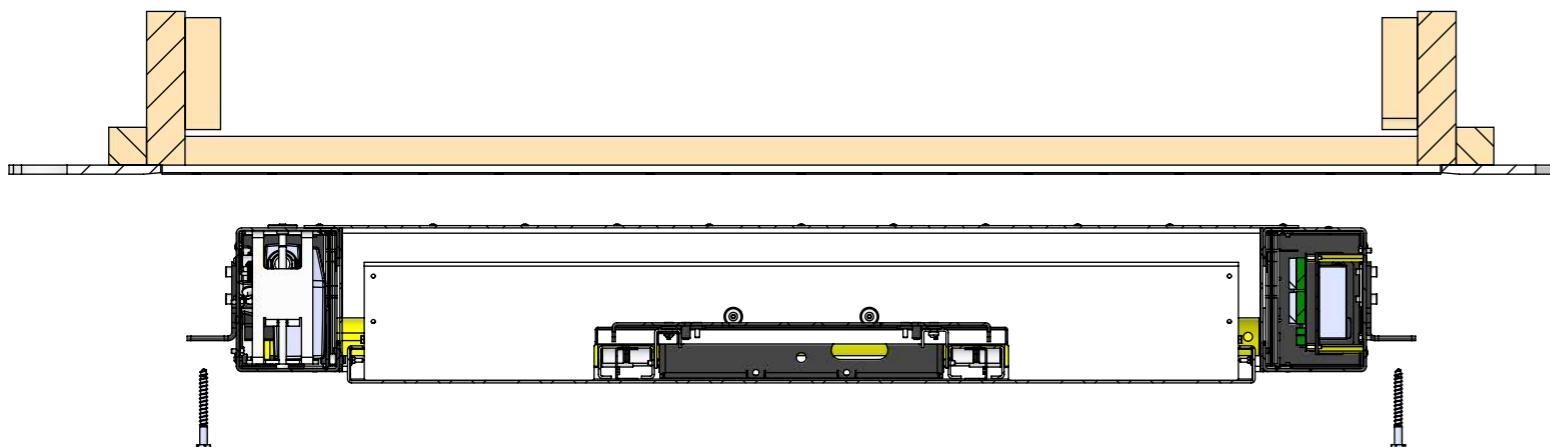
## RESIDENTIAL CEILING HINGE RANGE



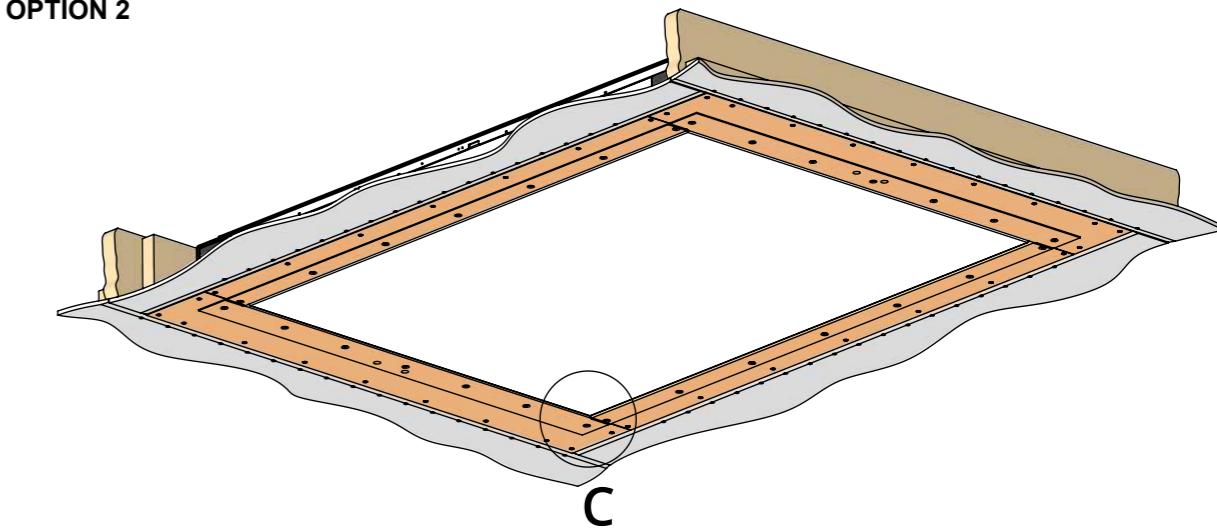
future automation

### INSTALLATION PRECEDURE

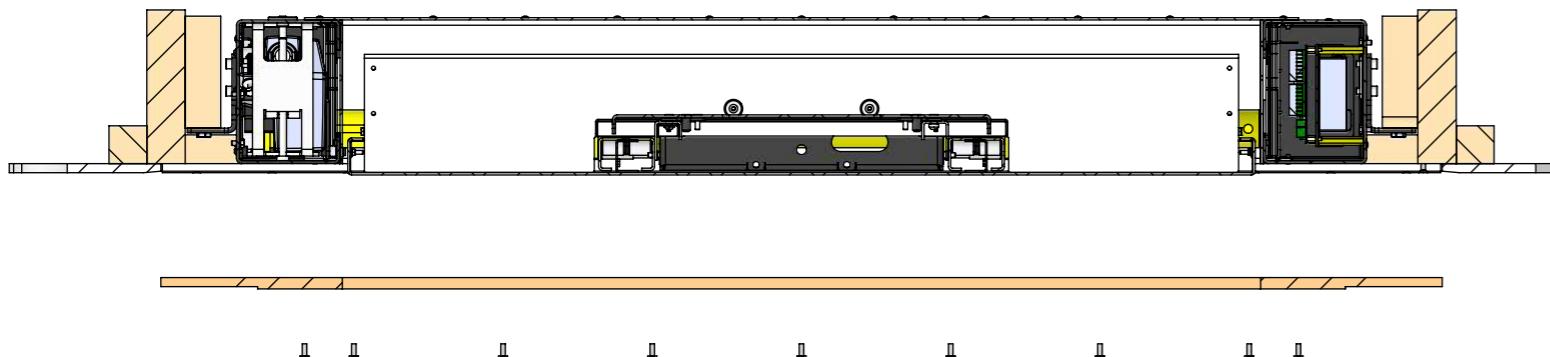
#### 1. MECHANISM INSTALLATION



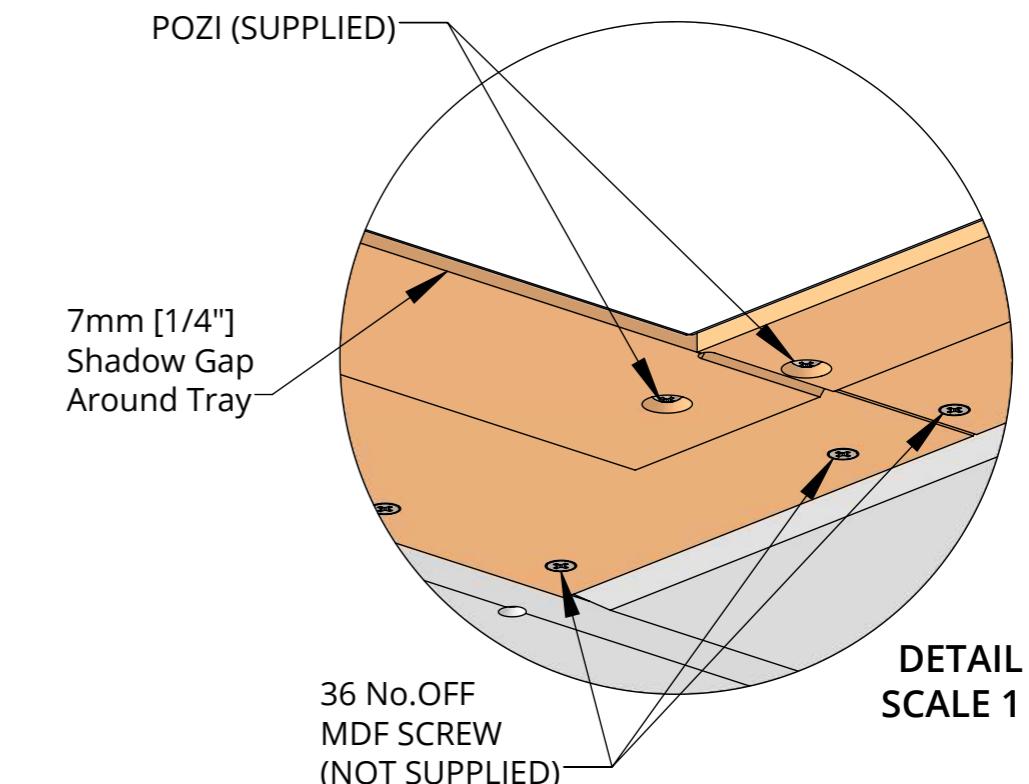
THE INSTALLATION PROCEDURE IS CARRIED OUT  
IN THE SAME WAY FOR OPTION 1 OR OPTION 2



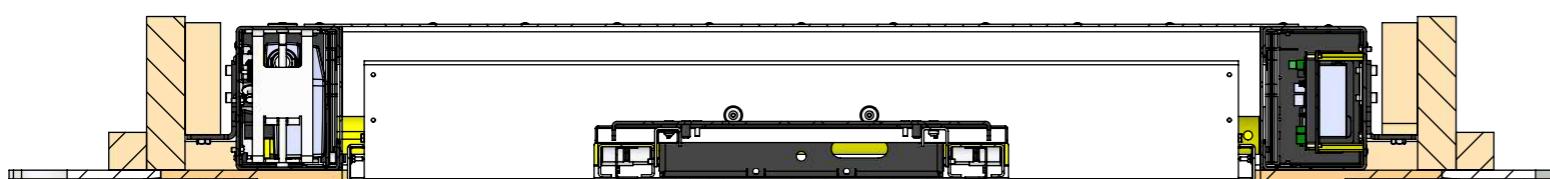
#### 2. MDF PLASTER TRIM INSTALLATION



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



#### 3. PLASTERING



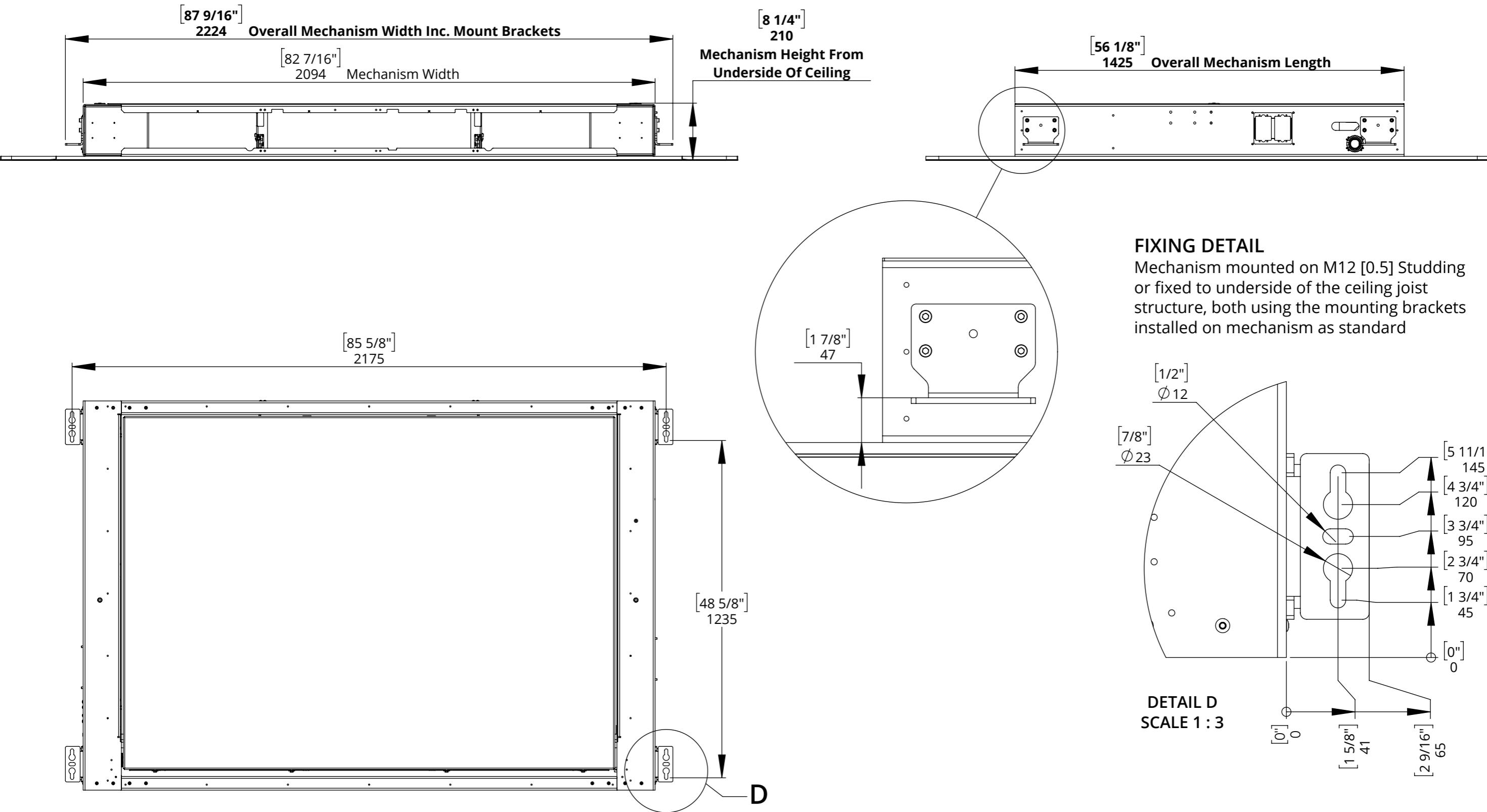
# CHR7-RES

## RESIDENTIAL CEILING HINGE RANGE



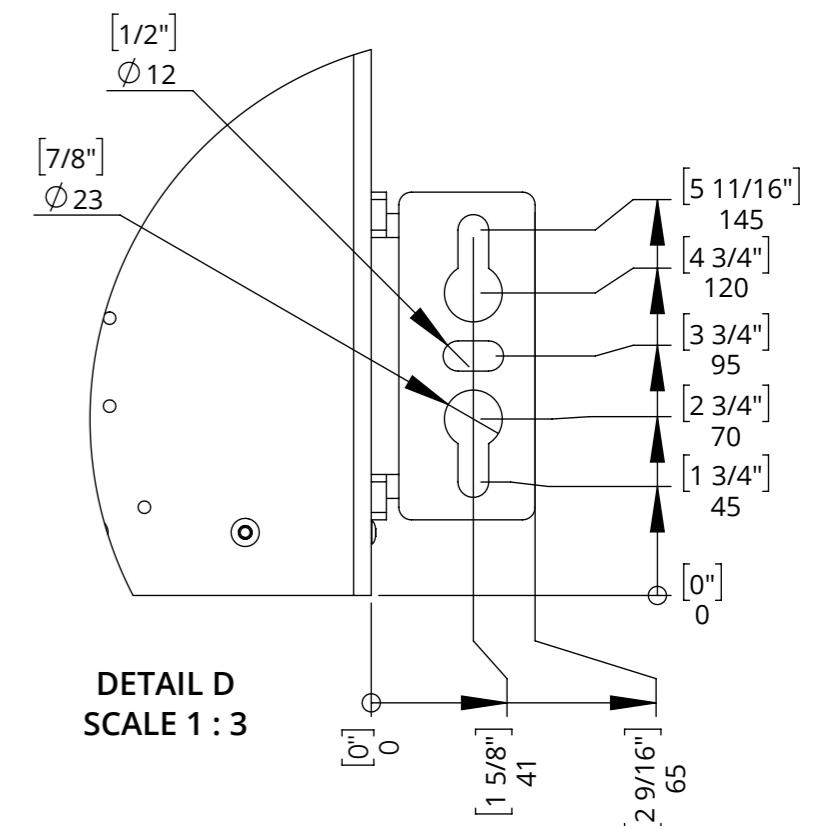
future automation

### MECHANISM DIMENSIONS - CLOSED



### FIXING DETAIL

Mechanism mounted on M12 [0.5] Studding or fixed to underside of the ceiling joist structure, both using the mounting brackets installed on mechanism as standard



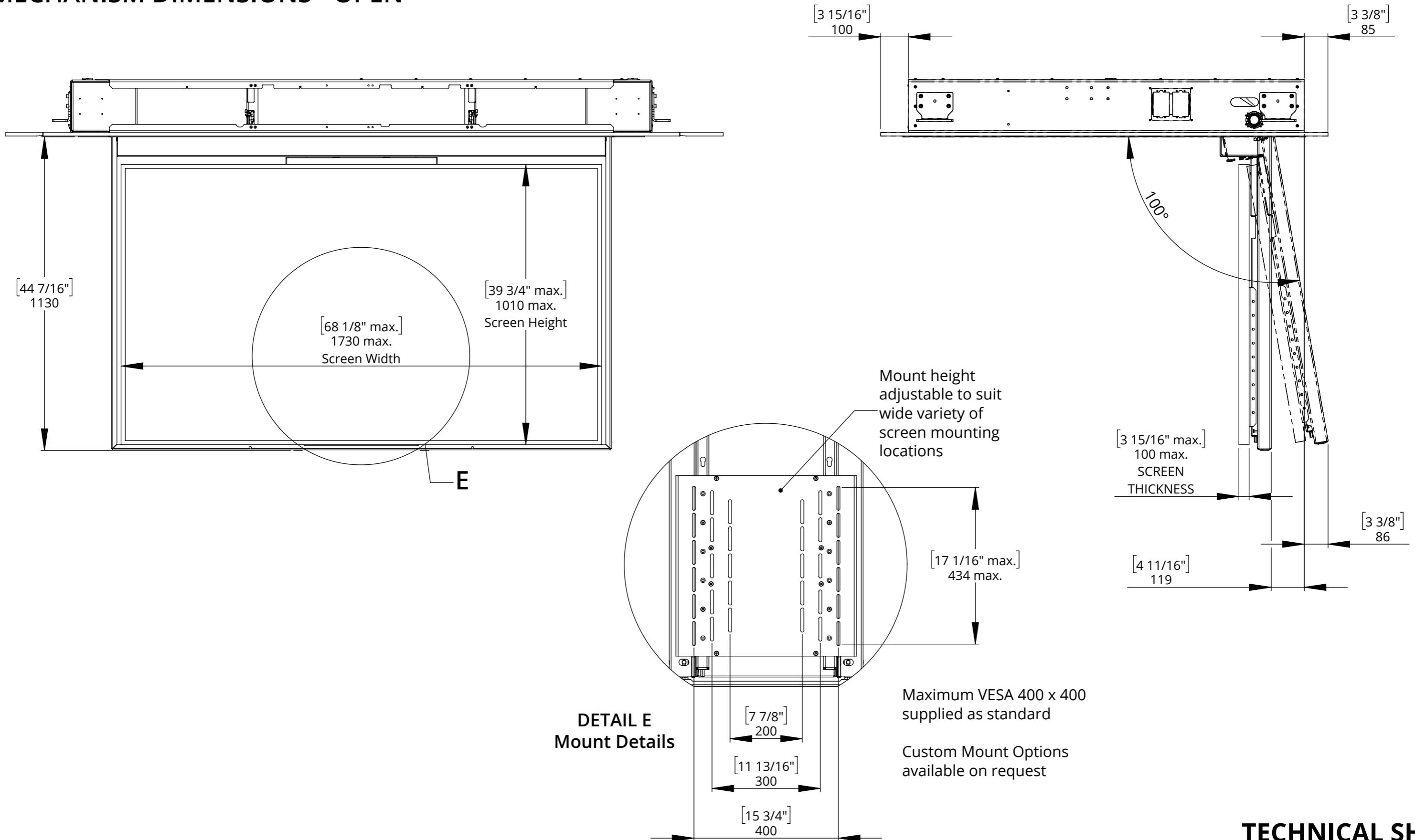
# CHR7-RES

## RESIDENTIAL CEILING HINGE RANGE



future automation

### MECHANISM DIMENSIONS - OPEN



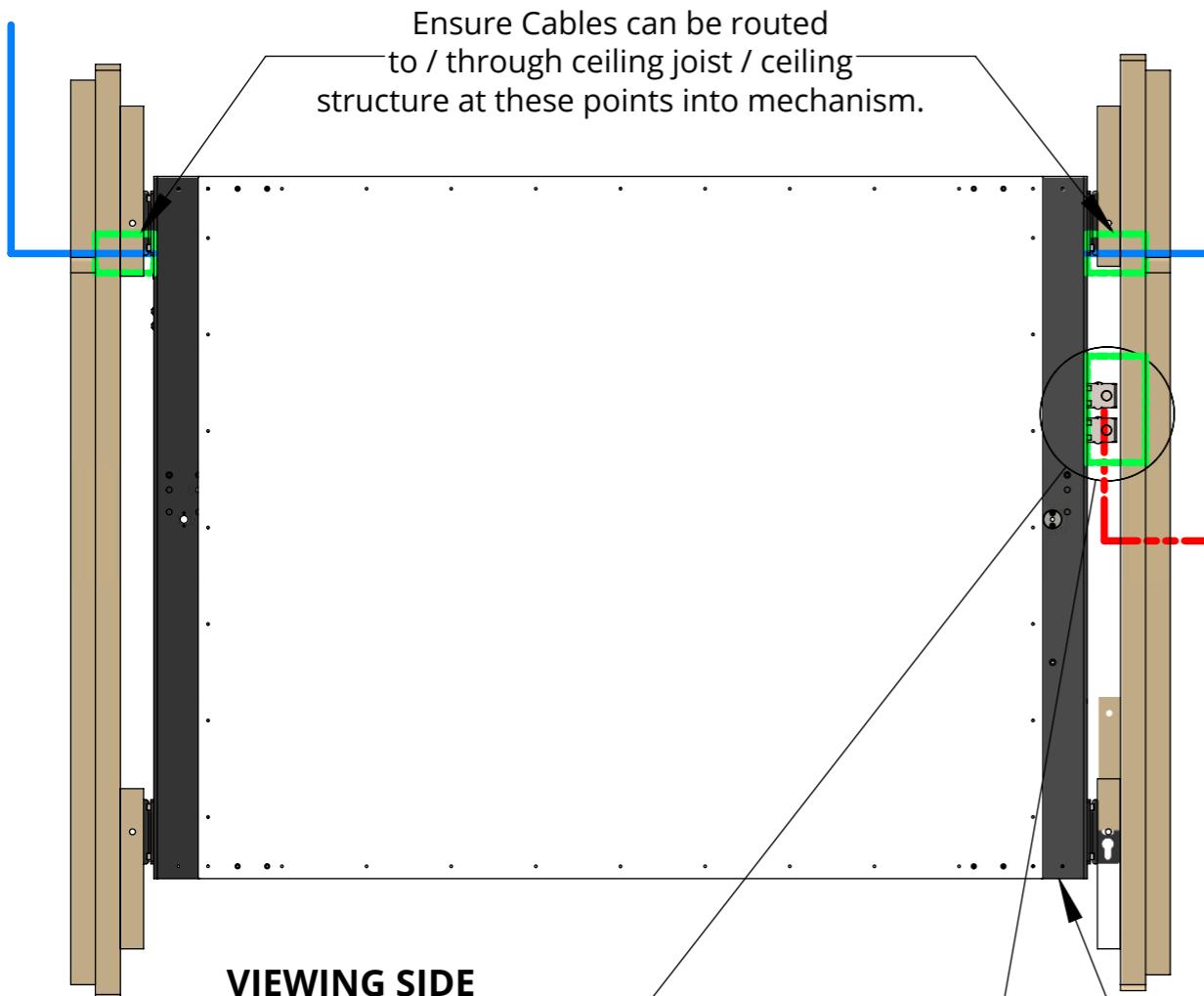
# CHR7-RES

## RESIDENTIAL CEILING HINGE RANGE

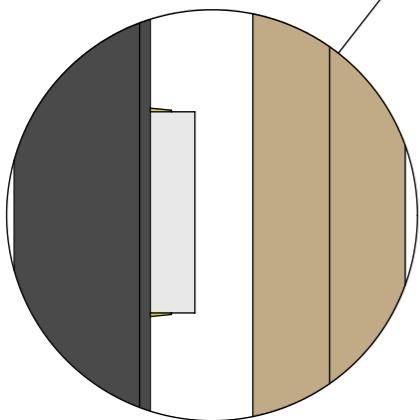


future automation

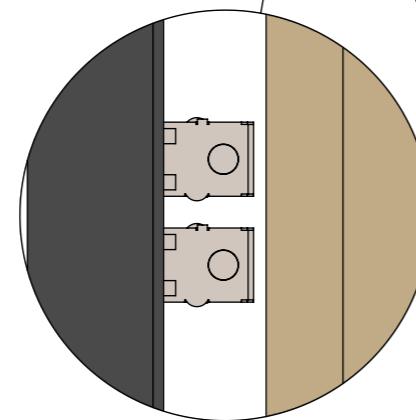
### CEILING PREPARATION



**VIEWING SIDE**

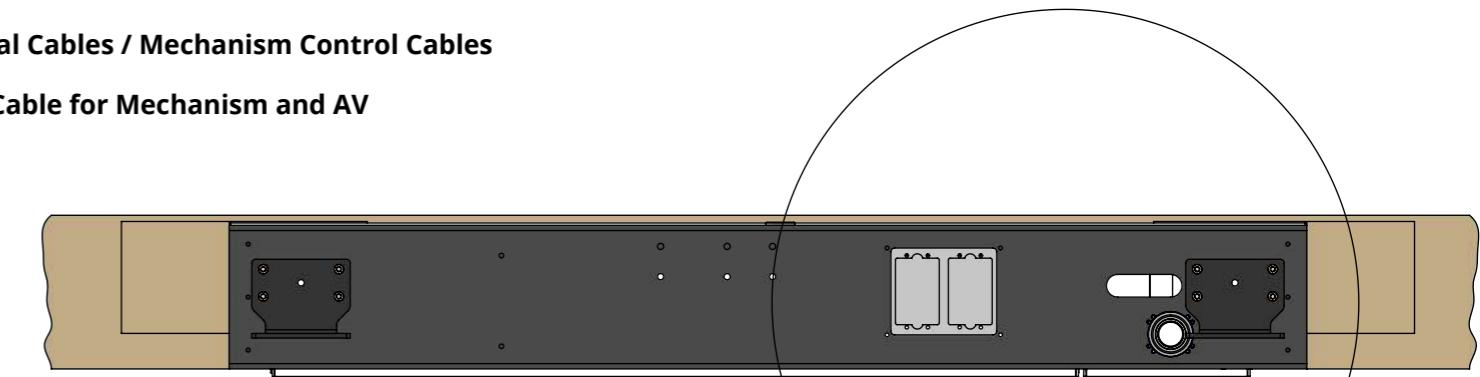


UK 2G Mains  
Plasterboard  
Back Box



2 No.  
US J-Box

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



#### 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.

Mechanism control system housed internally on this side. Accessible from removable internal access hatch.

**Ensure there are no obstructions around the power outlet mounting plate, between the mechanism and the mounting joist / ceiling structure**

