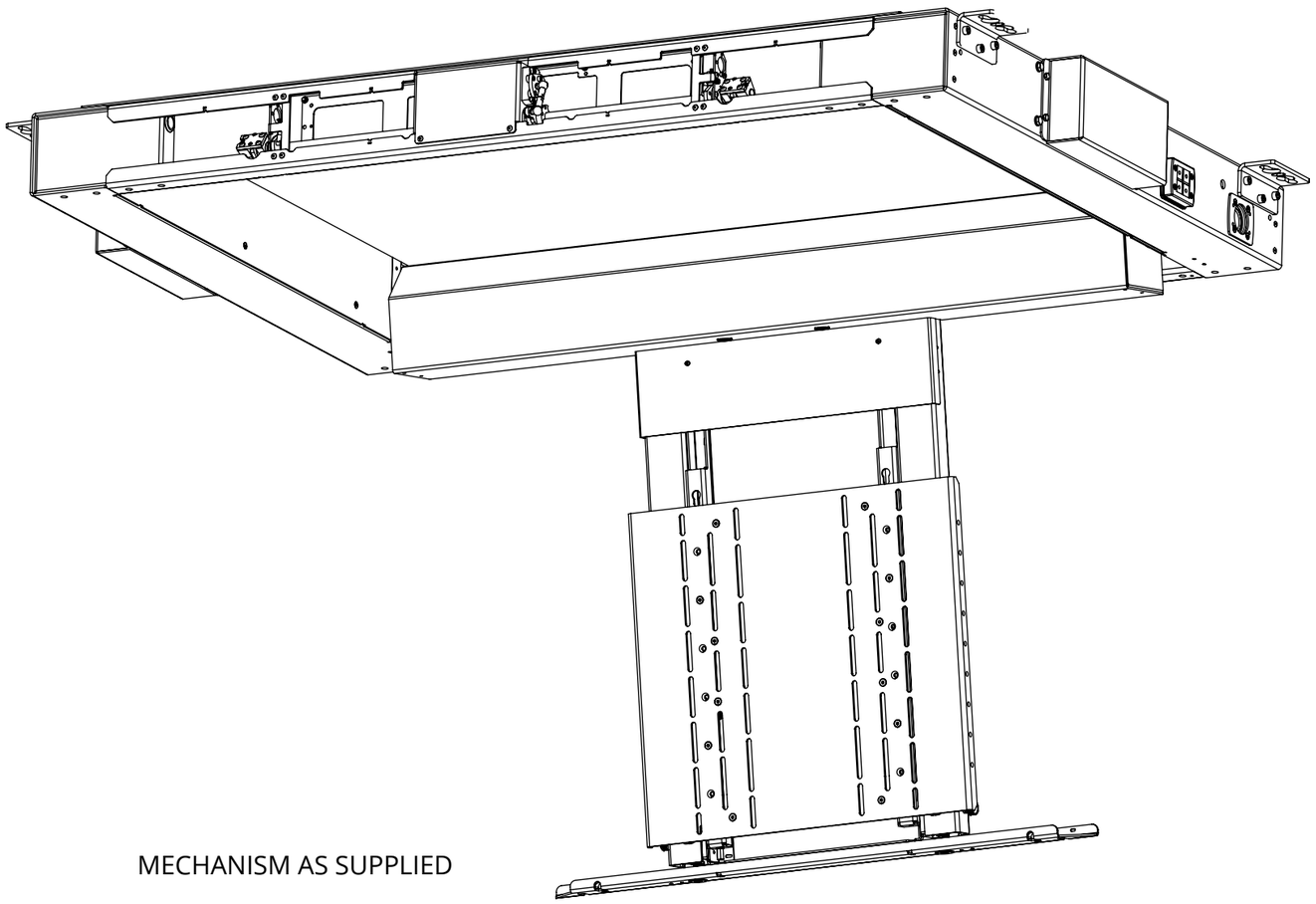
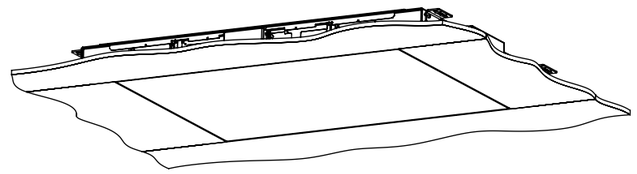
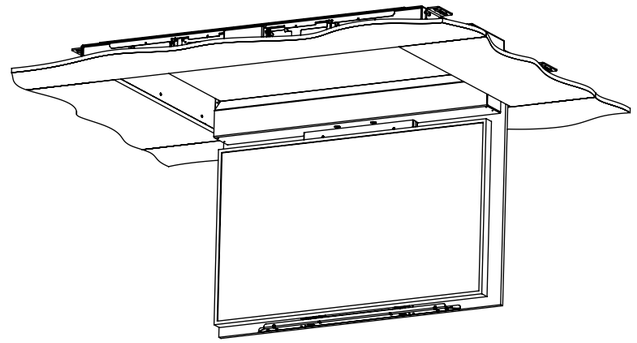
# CHR5-C-M
## COMPACT MARINE CEILING HINGE RANGE

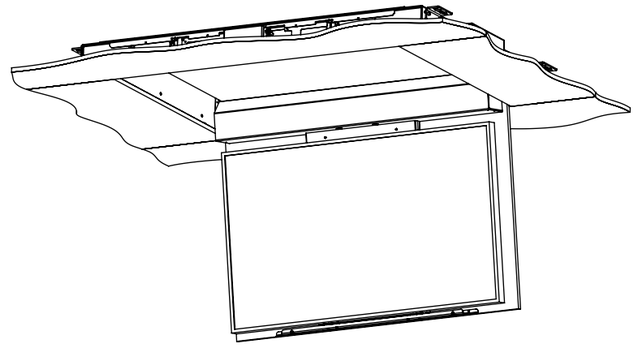
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MECHANISM AS SUPPLIED







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ISSUE 004
SHEET 1

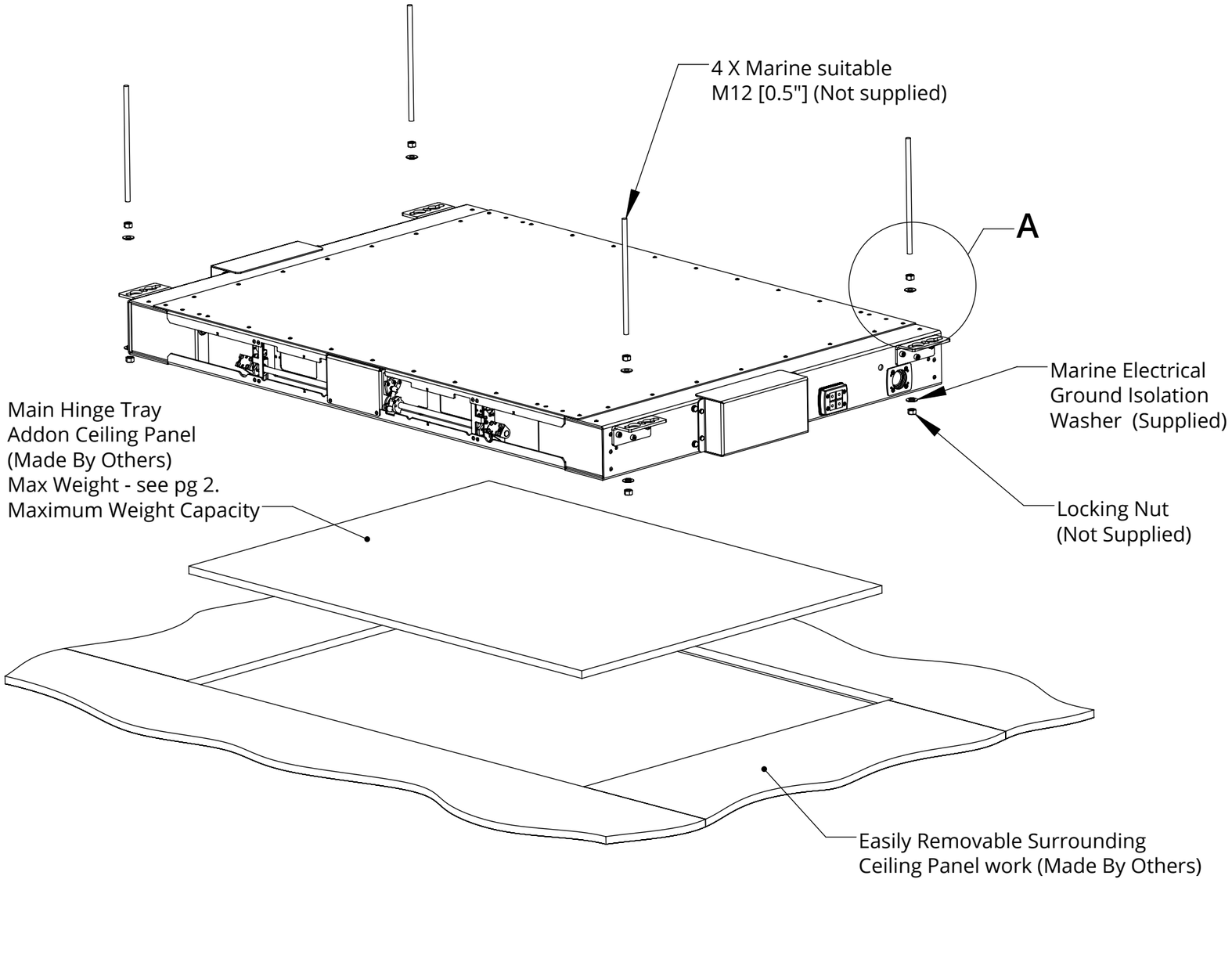
# CHR5-C-M
## COMPACT MARINE CEILING HINGE RANGE

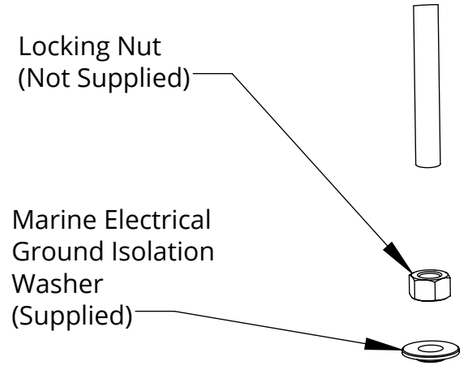
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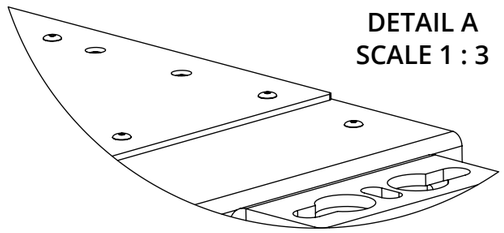
| SPECIFICATION | MEASUREMENTS |
|---|---|
| Product Dimensions | 1824mm [71 13/16"] W x 1202mm [47 5/16"] L x 145mm [5 11/16"] D |
| Product Weight | 105Kg [232lb] |
| Maximum Screen Size | 1330mm [52 3/8 "] W x 800mm [31 1/2 "] L x 50mm [1 15/16"] D |
| Maximum Weight Capacity | 50Kg [110lb] Max. - Inc 10Kg [22lb] Max. Addon Ceiling Panel Main Hinge<br>**Assuming Screen Weight Biased Low (3/4 Screen Height)* |
| Packaging Dimensions | 2230mm [87 13/16"] W x 1290mm [50 13/16"] L x 350mm [13 3/4 "] D |
| Shipping Weight | 201Kg [444lb] |
| Maximum Rotation | 100˚ - programmable limit to 90˚ |
| Movement Type | Motorised |
| Control System | In IP66 Control box on 3m [10'] Loom |
| 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 | Marine Indoor |
| Colour | WHITE - RAL9910 Satin Finish |
| Marine Suitable | Yes - Marine Locks for secure stowing when not in use. |

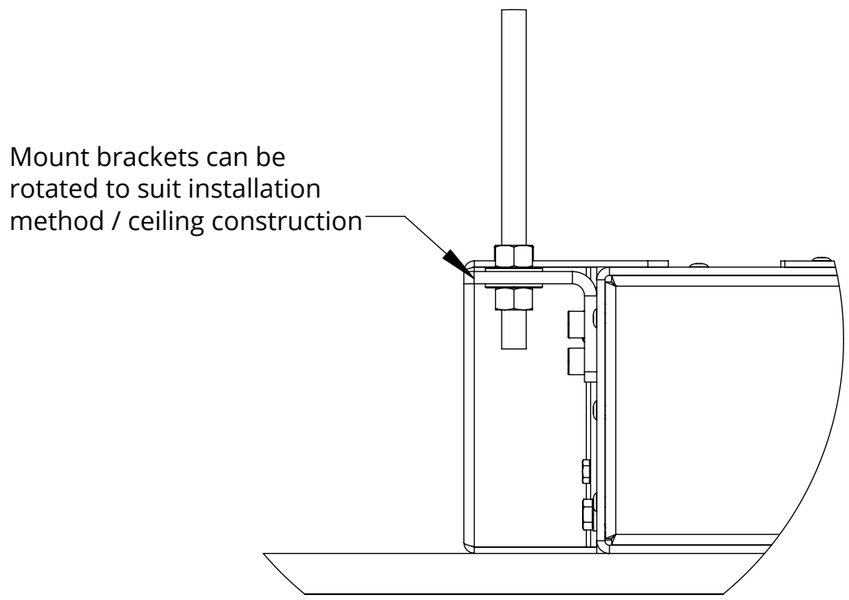
# CHR5-C-M
# COMPACT MARINE CEILING HINGE RANGE

## MECHANISM MOUNTING DETAILS



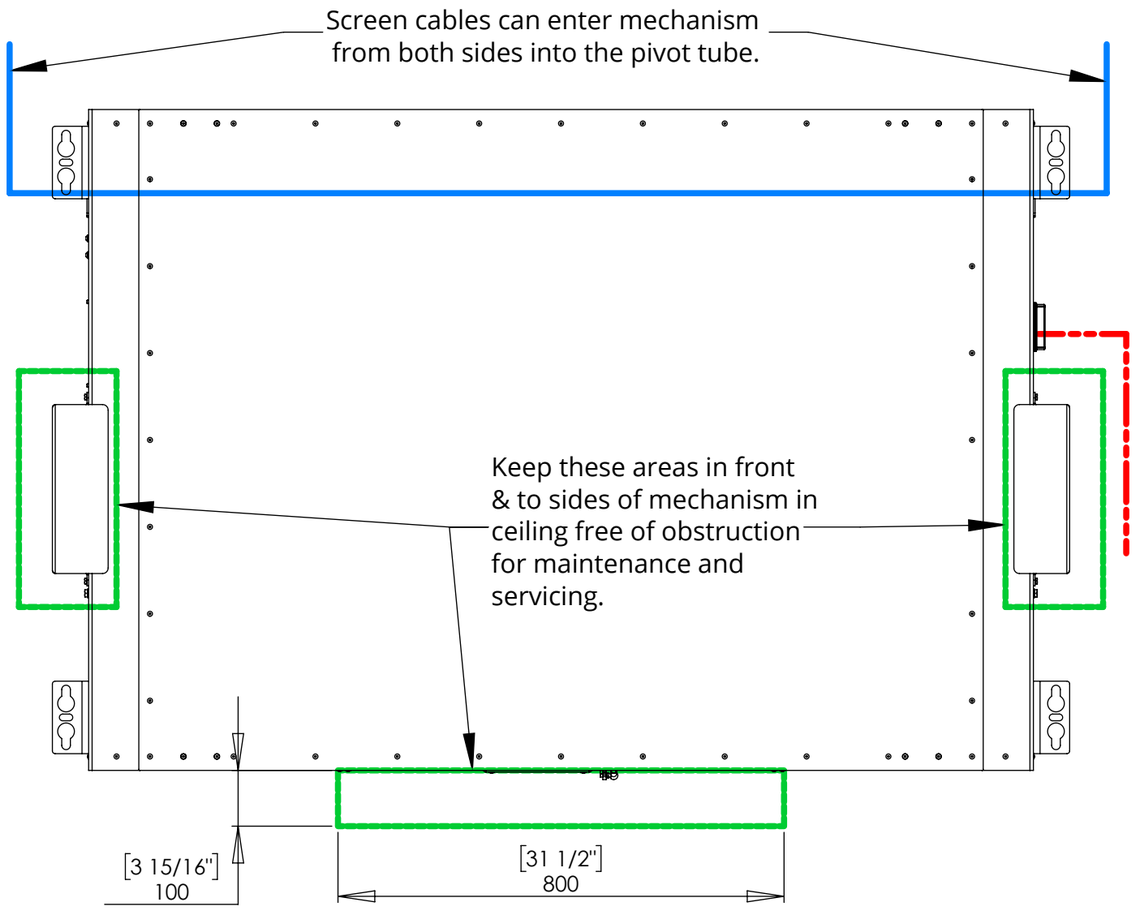

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SHEET 3

# CHR5-C-M
# COMPACT MARINE CEILING HINGE RANGE

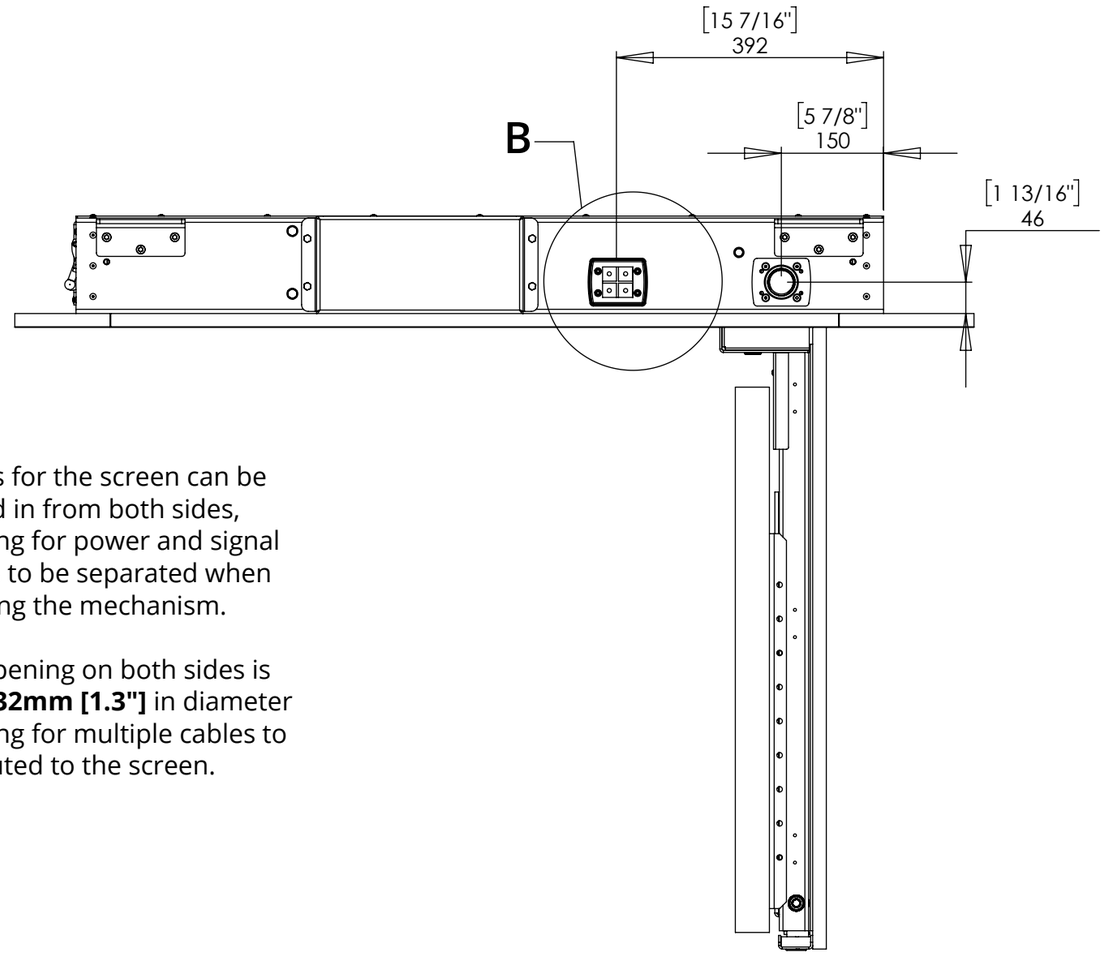
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## CEILING PREPARATION




Mechanism Power and Control Cables.

Screen power and Signal

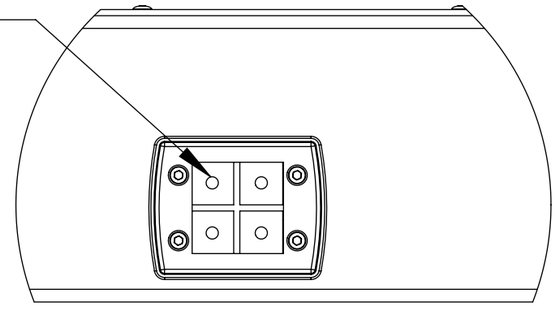



Cables for the screen can be routed in from both sides, allowing for power and signal cables to be separated when entering the mechanism.

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

Cables pass through easily removable cable gland plates into mechanism.

Additional glands to suit different cable sizes are available on request.



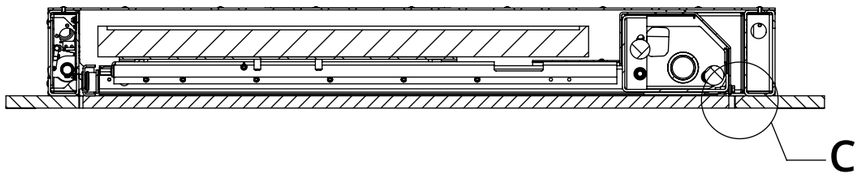
**DETAIL B**
**SCALE 1 : 3**

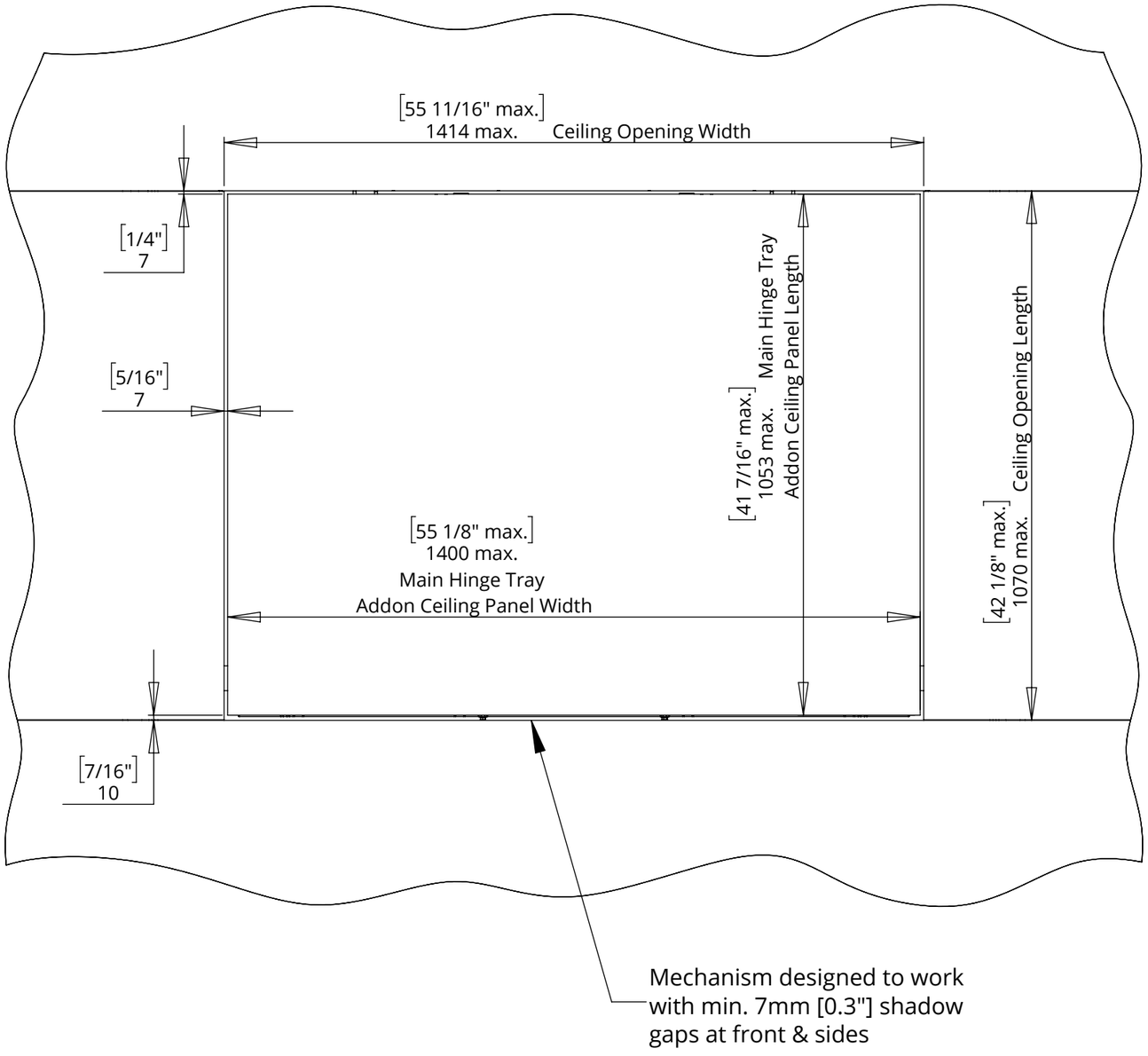
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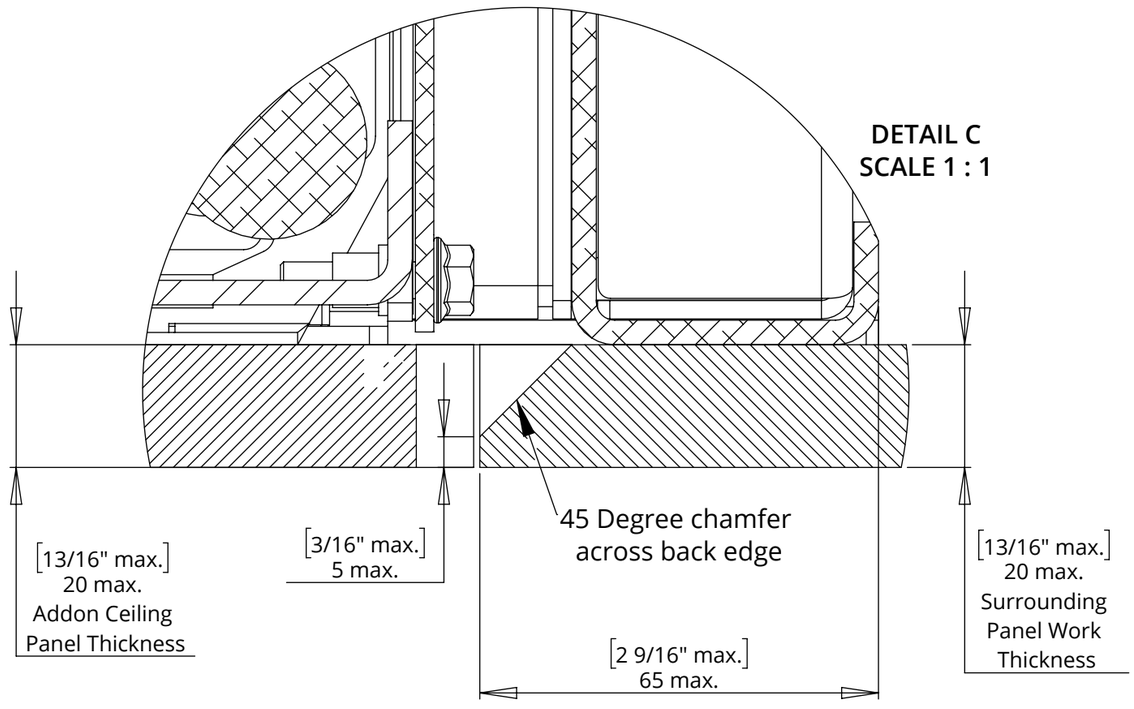
**TECHNICAL SHEET**
ISSUE 004
SHEET 4

# CHR5-C-M
# COMPACT MARINE CEILING HINGE RANGE

## CEILING DETAILS



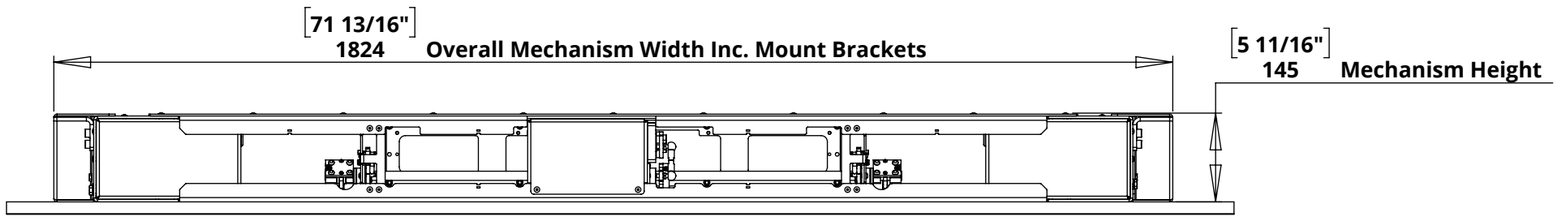



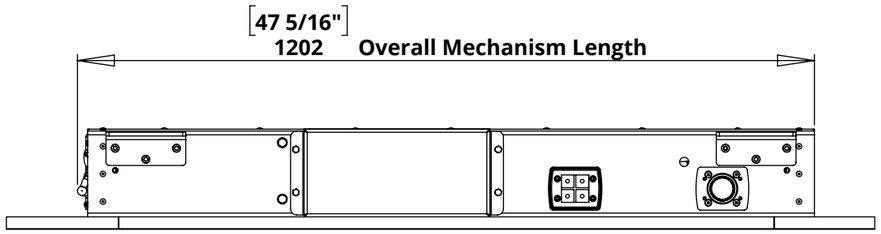

**Ensure all panel work is the same thickness.**

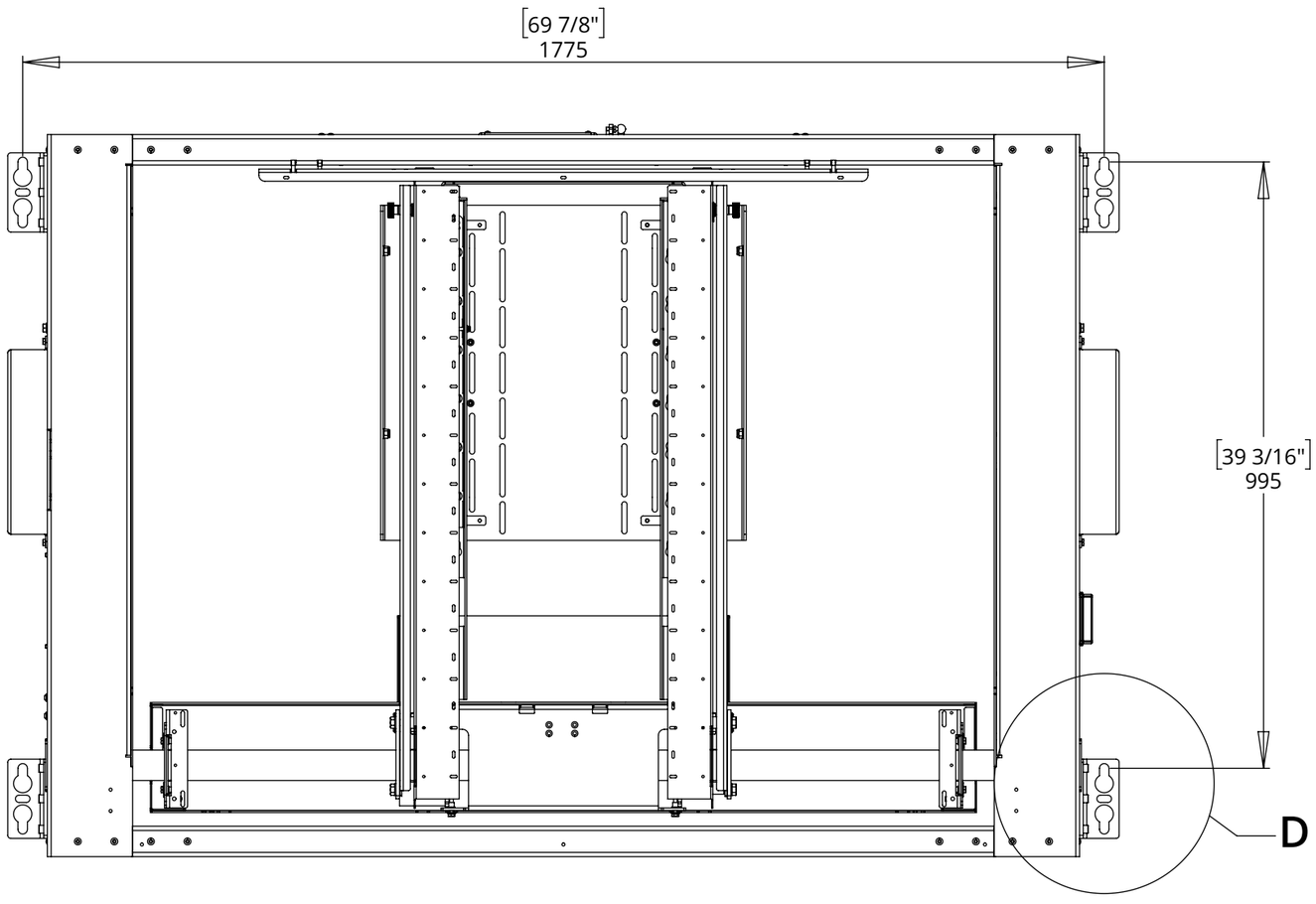
**Weight of all addon panel work must be included in maximum mechanism lifting capacity.**

# CHR5-C-M
# COMPACT MARINE CEILING HINGE RANGE

## MECHANISM DIMENSIONS - CLOSED

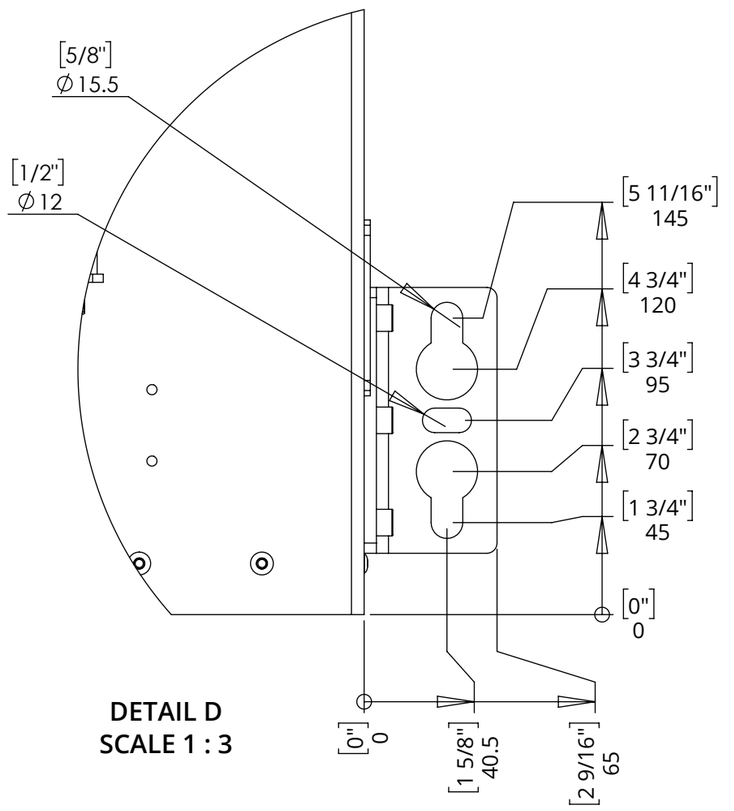



### FIXING DETAIL

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





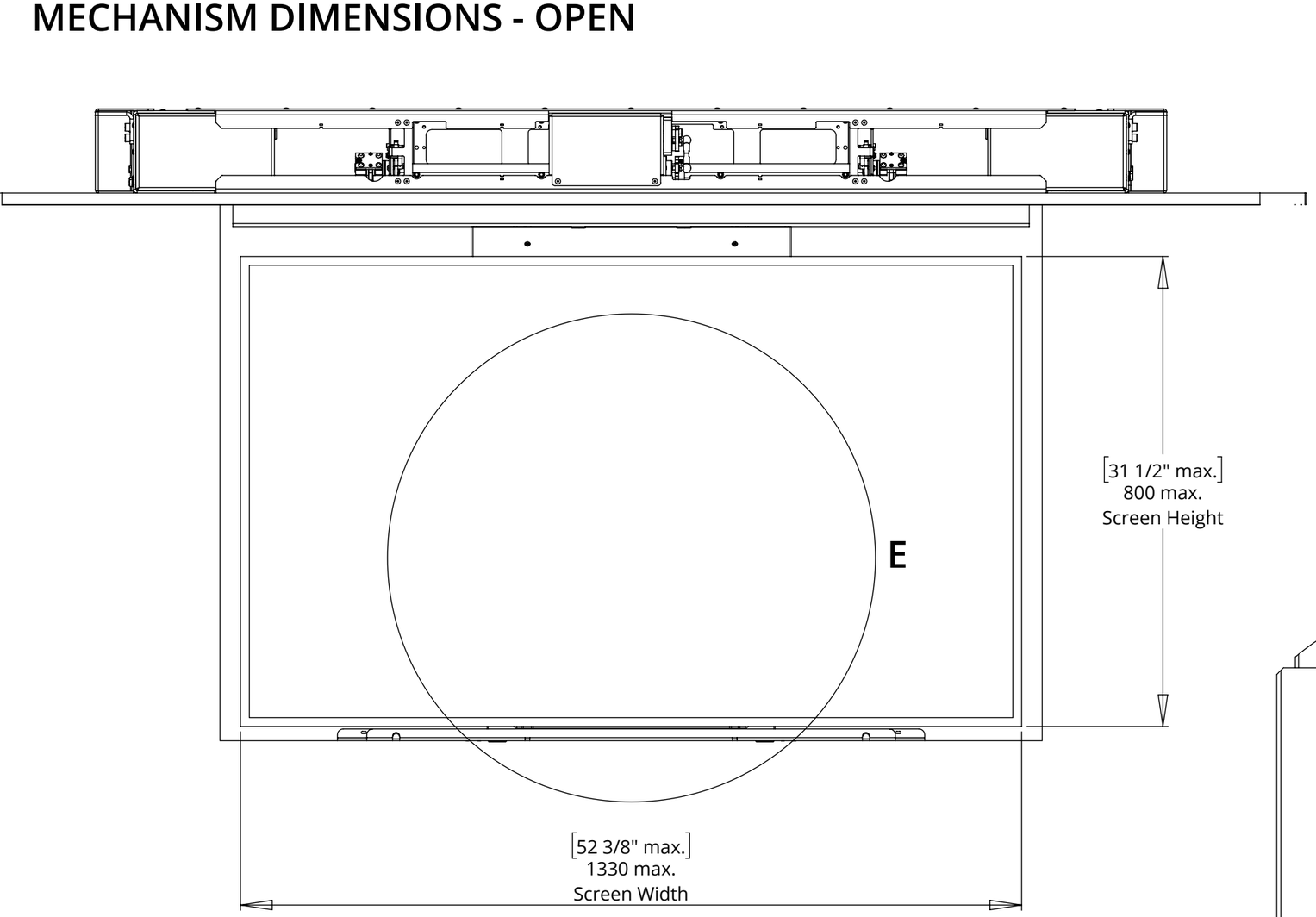
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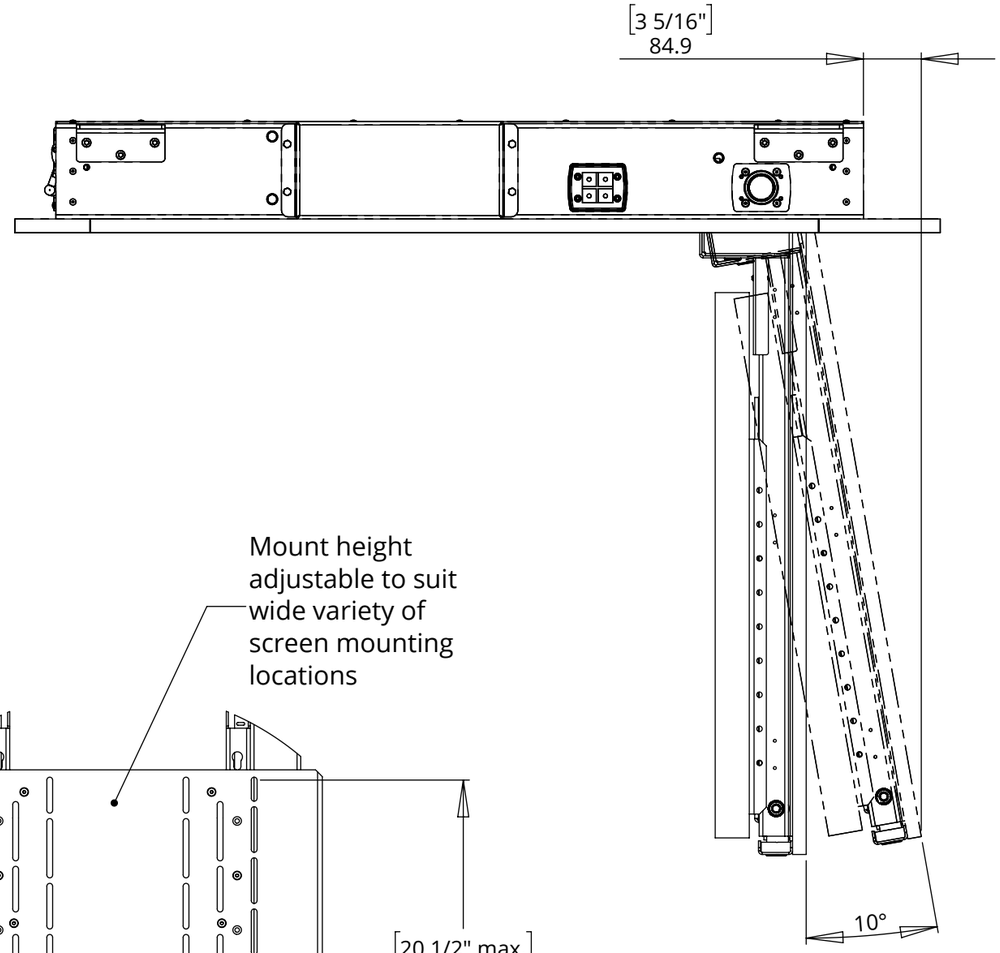

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ISSUE 004
SHEET 6

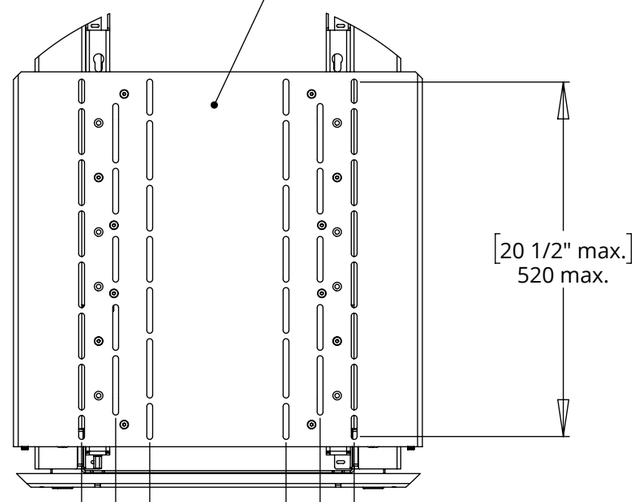
# CHR5-C-M
## COMPACT MARINE CEILING HINGE RANGE

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### MECHANISM DIMENSIONS - OPEN




**DETAIL E**
**Mount Details**

Maximum VESA 400 x 400 supplied as standard

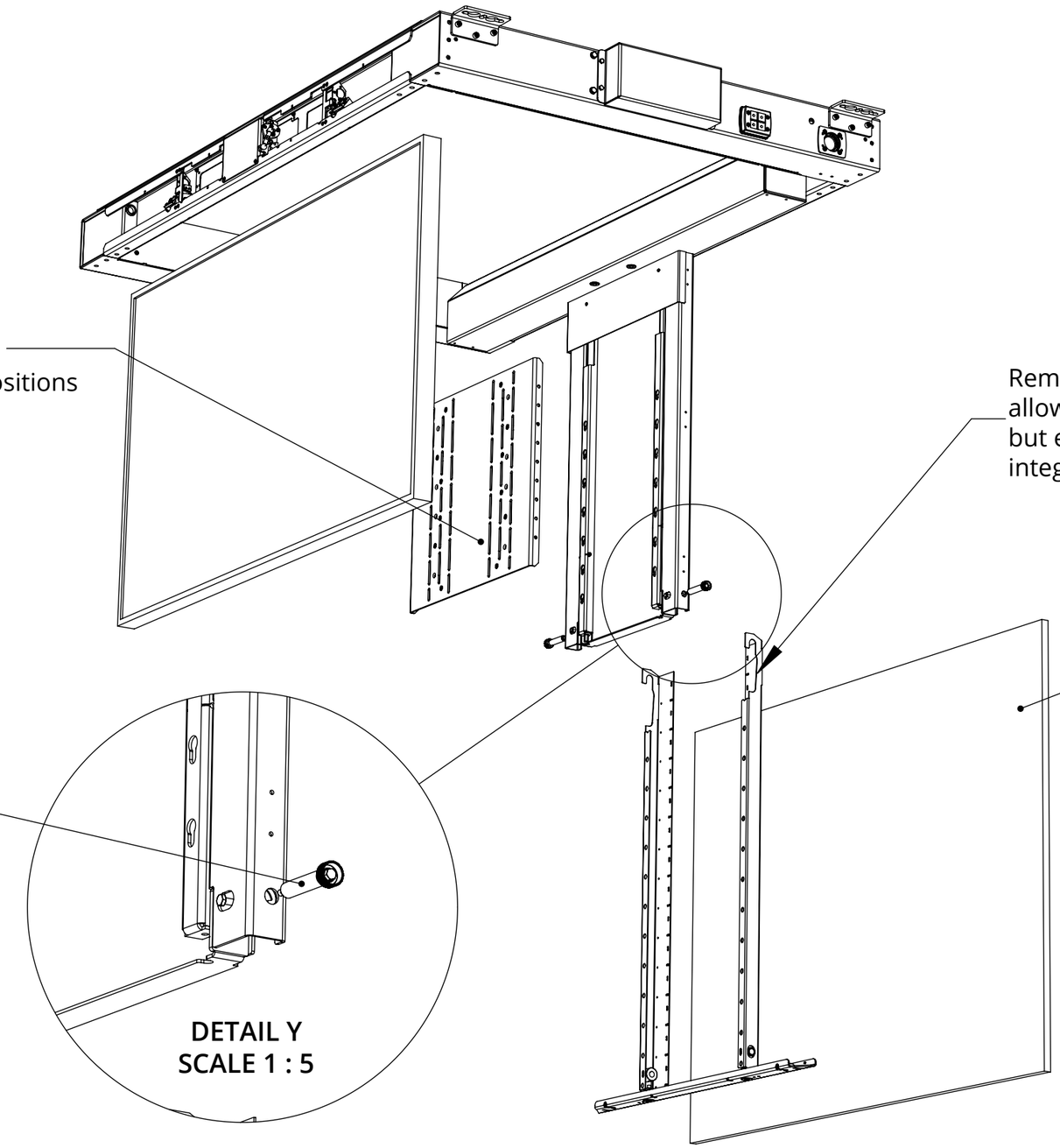
Custom Mount Options available on request

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# CHR5-C-M
# COMPACT MARINE CEILING HINGE RANGE

## MECHANISM CONSTRUCTION OVERVIEW



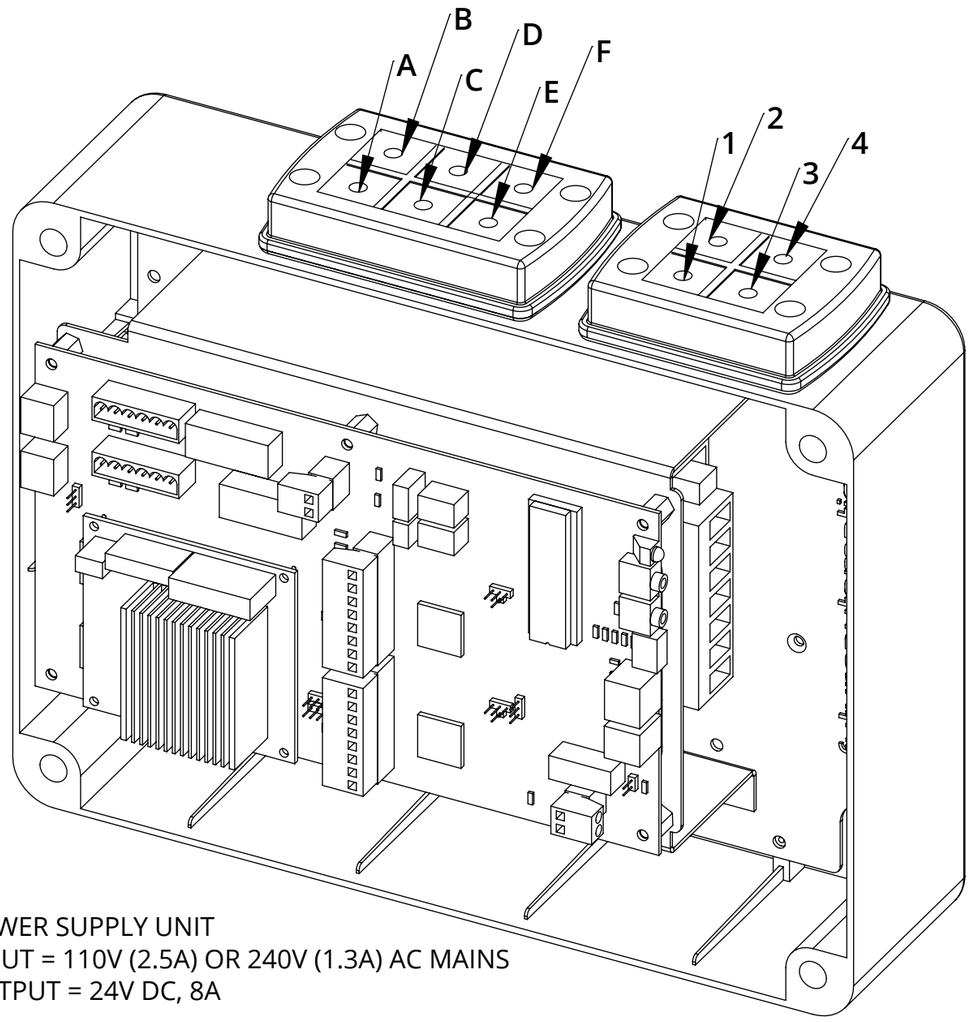

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ISSUE 004
SHEET 8

# CHR5-C-M
## COMPACT MARINE CEILING HINGE RANGE

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### CONTROL BOX DETAILS




POWER SUPPLY UNIT
INPUT = 110V (2.5A) OR 240V (1.3A) AC MAINS
OUTPUT = 24V DC, 8A

IP66 Multicable Glands.

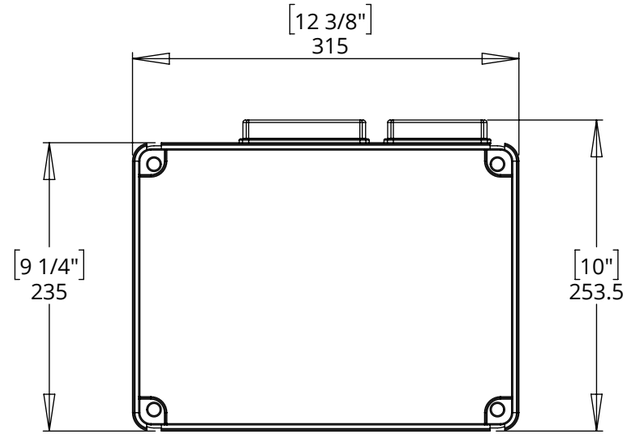
Supplied with standard set of glands to suit mechanism control cables.

| | | |
|---|---|---|
| A. | Hinge Motor A | - (1 x 8 core) 8.5mm [0.33"] dia. (EU SPEC: 0.34mm² US SPEC: 22AWG) |
| B. | Hinge Motor B + IN / OUT SW | - (1 x 8 core) 8.5mm [0.33"] dia. (EU SPEC: 0.34mm² US SPEC: 22AWG) |
| C. | BLANK | |
| D. | BLANK | |
| E. | Marine Catch Power / Signal | - (1 x 8 core) 8.5mm [0.33"] dia. (EU SPEC: 0.34mm² US SPEC: 22AWG) |
| F. | FA Internal IR Reciever Cable | - 3mm [0.12"] dia. (EU SPEC: 0.12mm² US SPEC: 25AWG) |

| | | |
|---|---|---|
| 1. | Control Board Power - 3 Core Mains | 6mm [0.25"] dia. (EU SPEC: 0.75mm² US SPEC: 18AWG) |
| 2. | Cat 5e 8 core - RS232 interface | 5mm [0.2"] dia.(EU SPEC: 0.2mm² US SPEC: 24AWG) |
| 3. | Cat 5e 8 core - Contact Closure interface | 5mm [0.2"] dia.(EU SPEC: 0.2mm² US SPEC: 24AWG) |
| 4. | FA IR Receiver Cable | 3mm [0.12"] dia.(EU SPEC: 0.12mm² US SPEC: 25AWG) |




**Suplied with 3M [10'] loom as standard**




### NOTES
- ENCLOSURE IS RATED TO IP56 / GLANDS ARE RATED TO IP66
- ENCLOSURE AND LID FIXINGS ALL MADE FROM GEWISS GW PLAST 75.
- ENCLOSURE MATERIAL SUITABLE FOR TEMPERATURES +60 C TO -25 C.
- POWER SUPPLY UNIT (PSU) WILL ALLOW 110V OR 240V AC INPUT. THE SAME PSU IS USED FOR EU OR US MAINS SUPPLIES.
- OTHER THAN CONTROL CABLES, ALL CABLES TERMINATE AT CONTROL BOARD VIA STANDARD PHOENIX CONNECTORS.
- CABLE LOOM LENGTH SUPPLIED AT APPROX. 3m [118"]. LOOM CAN BE EXTENDED UP TO MAXIMUM OF APPROX. 10m [400"].
- MINIMUM CABLE BEND RADIUS 63.75mm [2.5"].

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SHEET 9