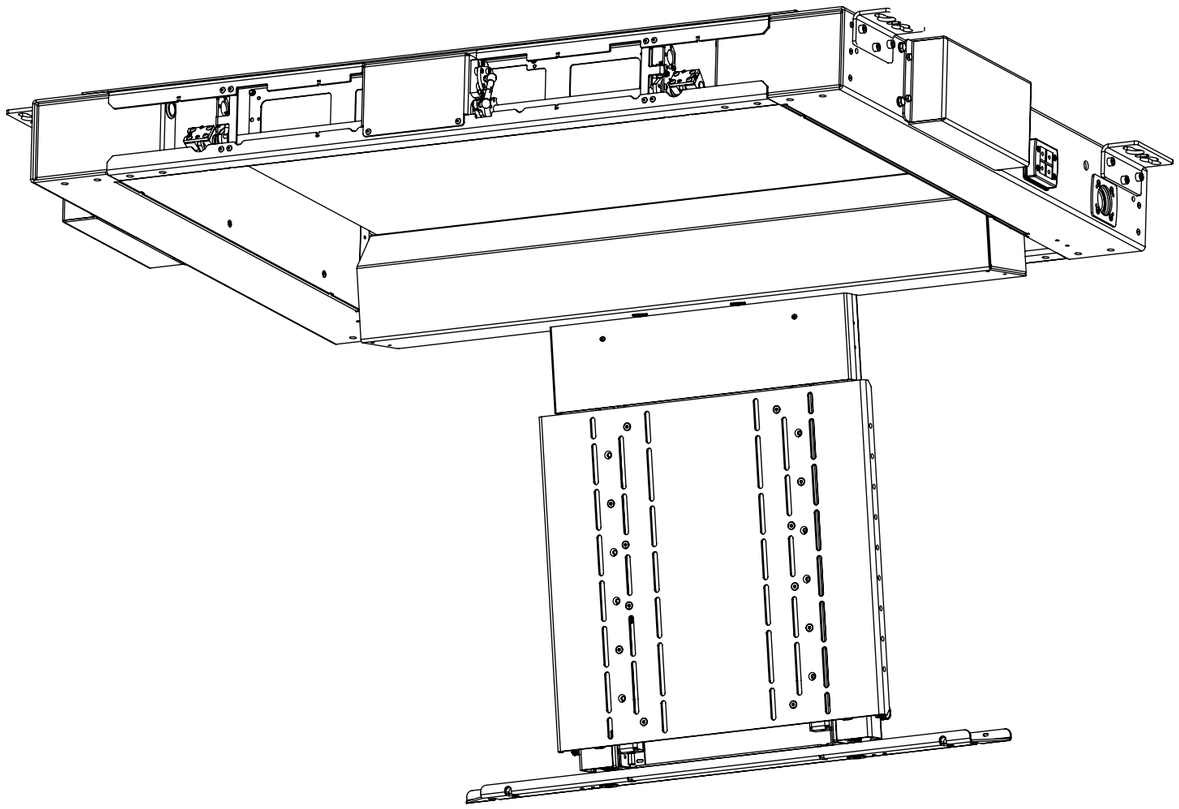
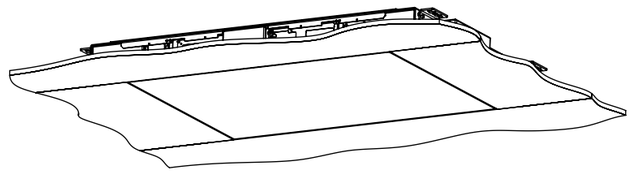
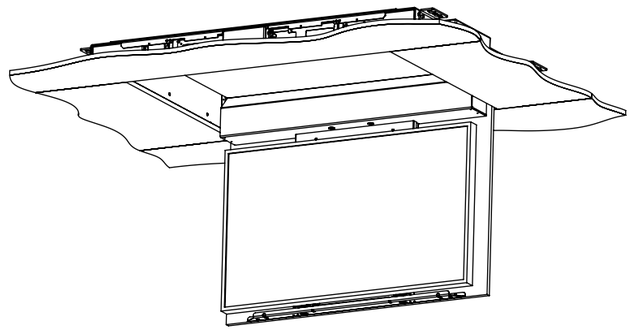
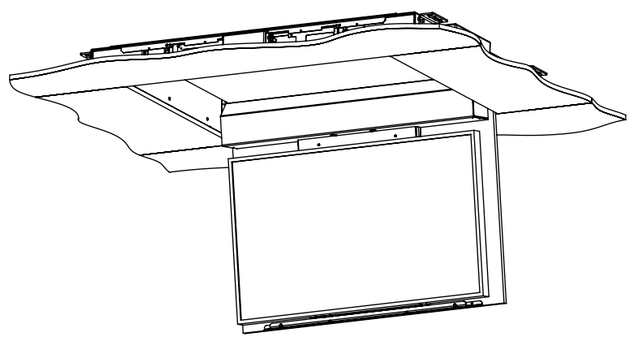
CHR4-C-M
COMPACT MARINE CEILING HINGE RANGE



MECHANISM AS SUPPLIED







UK +44 (0) 1438 833577 **US** +1 (603) 742 9181
www.**FUTUREAUTOMATION**.NET

TECHNICAL SHEET
ISSUE 004
SHEET 1

CHR4-C-M
COMPACT MARINE CEILING HINGE RANGE

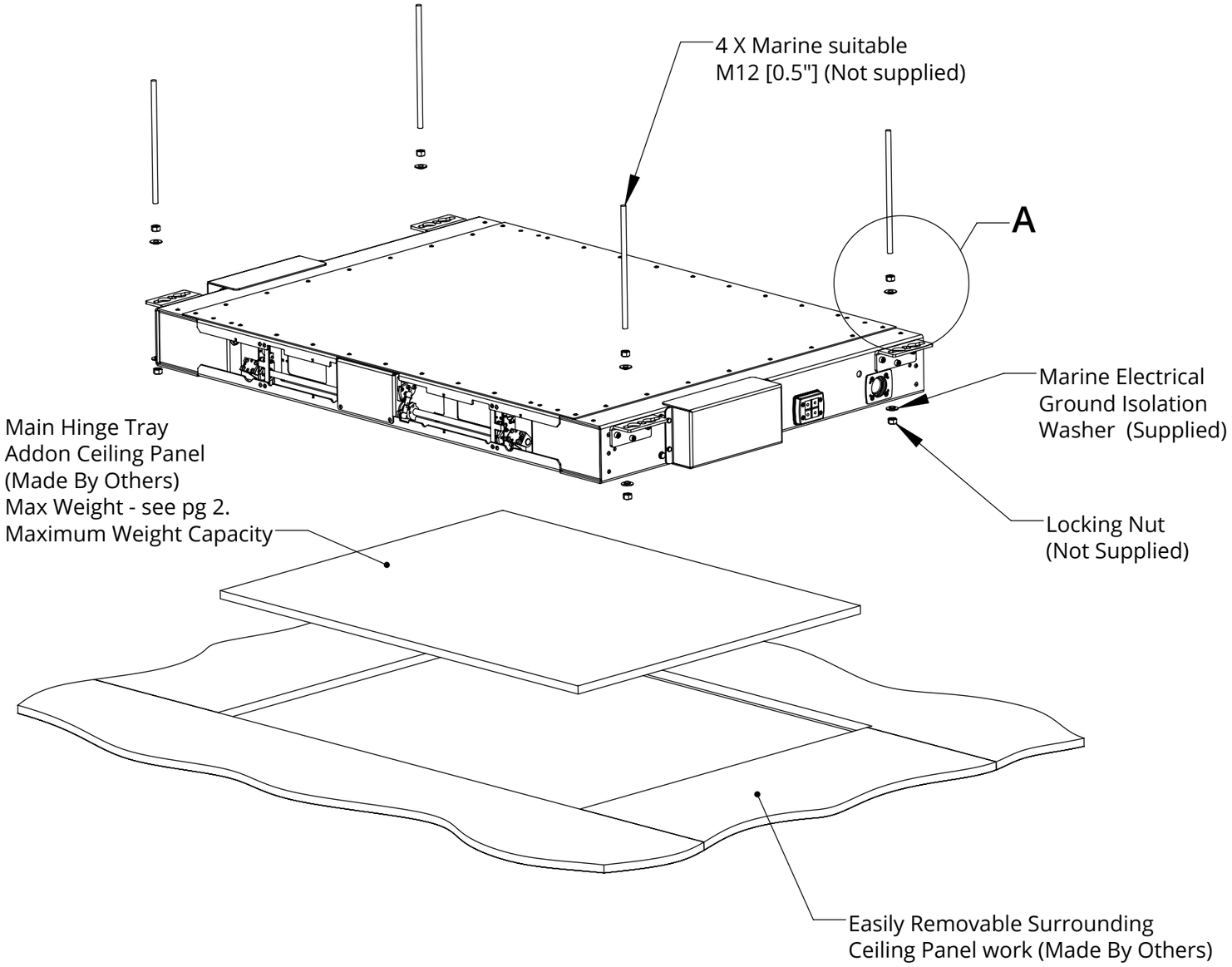
future automation

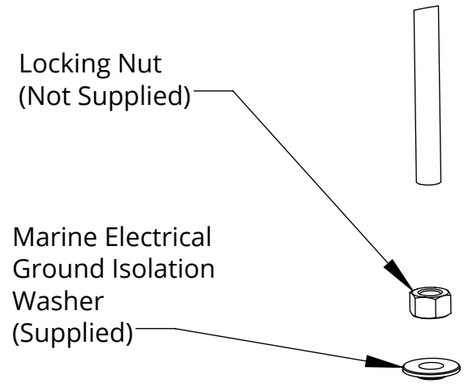
SPECIFICATION	MEASUREMENTS
Product Dimensions	1624mm [63 15/16"] W x 1082mm [42 5/8 "] L x 145mm [5 11/16"] D
Product Weight	95Kg [209lb]
Maximum Screen Size	1130mm [44 1/2 "] W x 680mm [26 3/4 "] L x 50mm [1 15/16"] D
Maximum Weight Capacity	50Kg [110lb] Max. - Inc 10Kg [22lb] Max. Addon Ceiling Panel Main Hinge **Assuming Screen Weight Biased Low (3/4 Screen Height)*
Packaging Dimensions	2030mm [79 15/16"] W x 1170mm [46 1/16"] L x 350mm [13 3/4 "] D
Shipping Weight	166Kg [367lb]
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.

CHR4-C-M
COMPACT MARINE CEILING HINGE RANGE

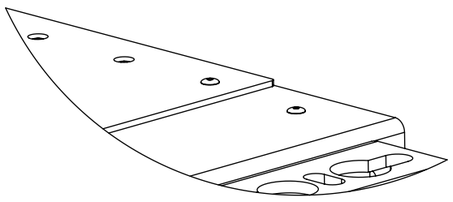
future automation

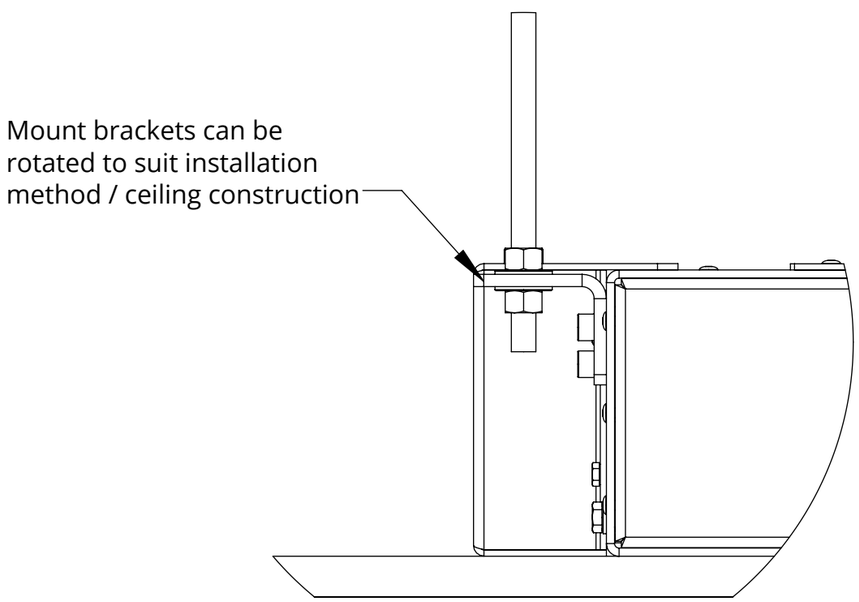
MECHANISM MOUNTING DETAILS





DETAIL A
SCALE 1 : 3



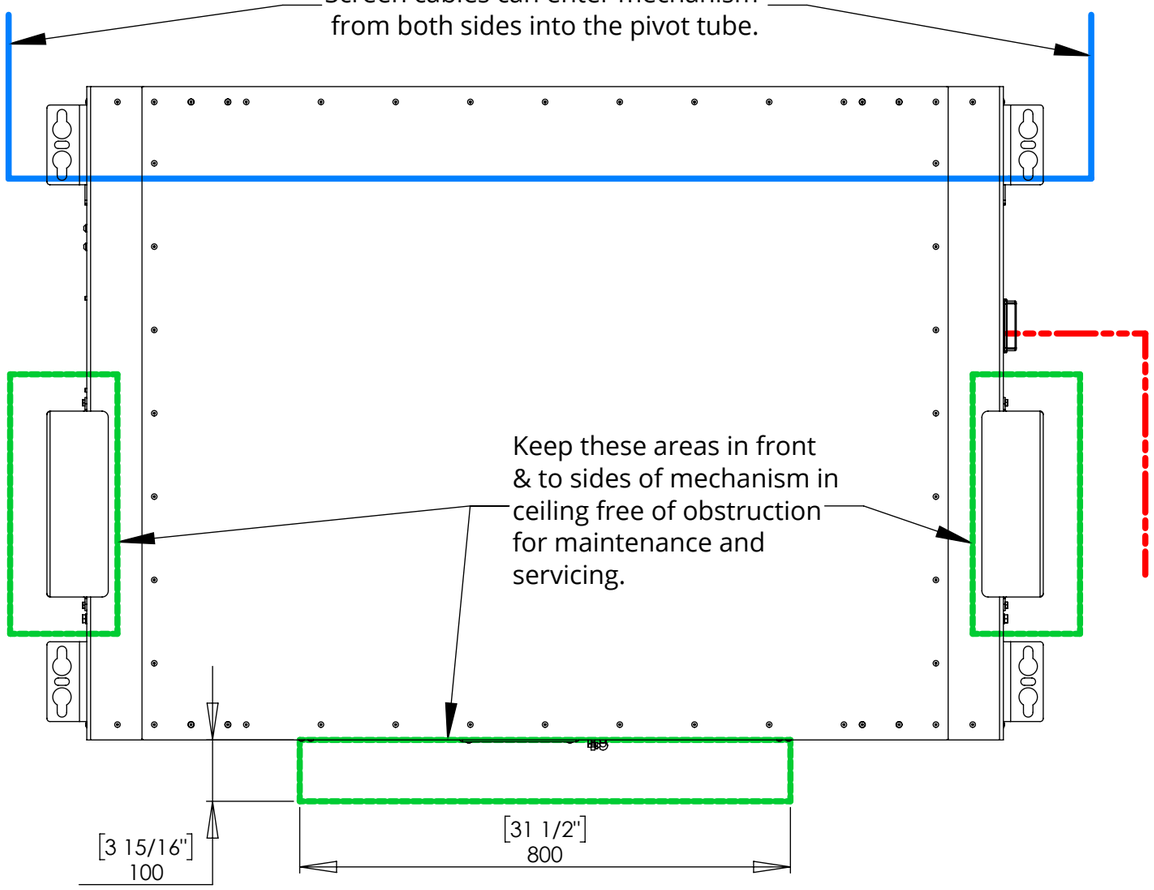


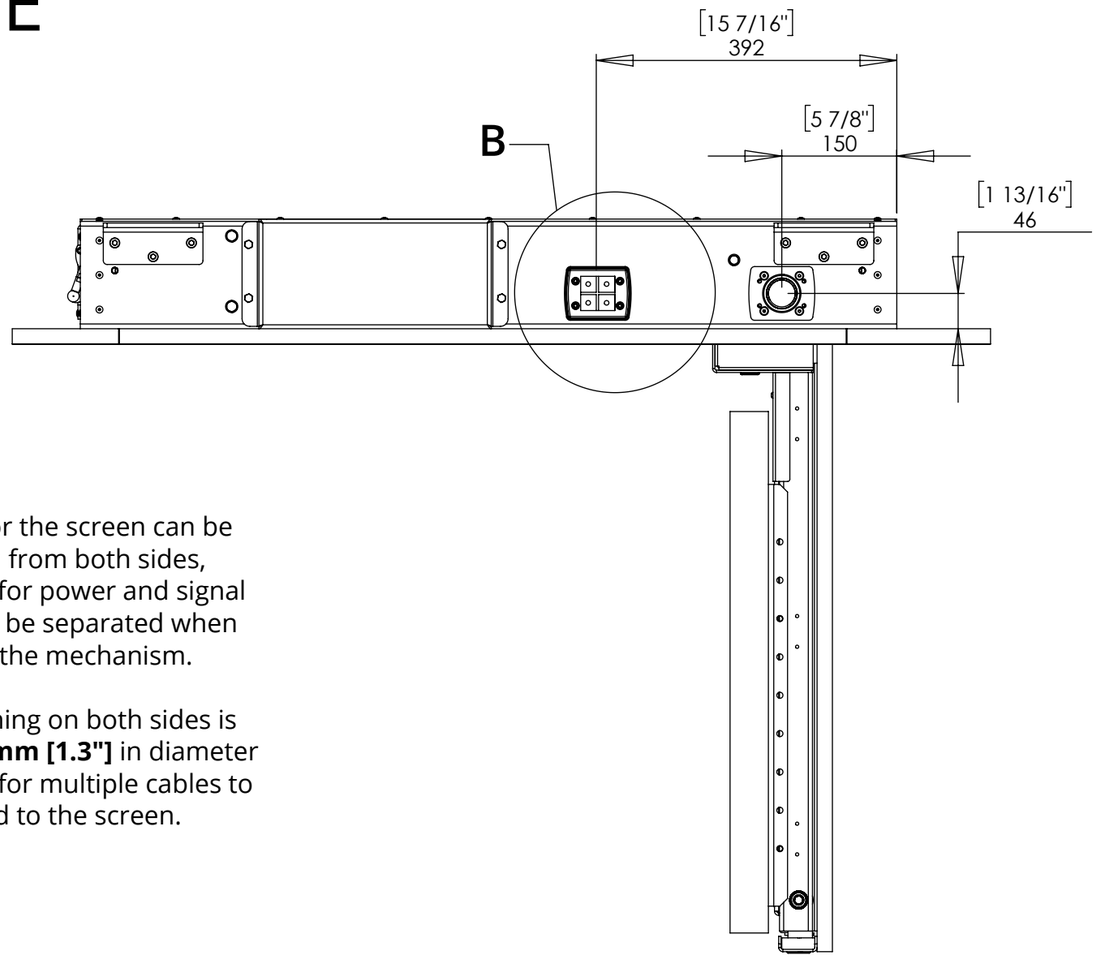
UK +44 (0) 1438 833577 **US** +1 (603) 742 9181
www.**FUTUREAUTOMATION**.NET

TECHNICAL SHEET
ISSUE 004
SHEET 3

CHR4-C-M
COMPACT MARINE CEILING HINGE RANGE

CEILING PREPARATION



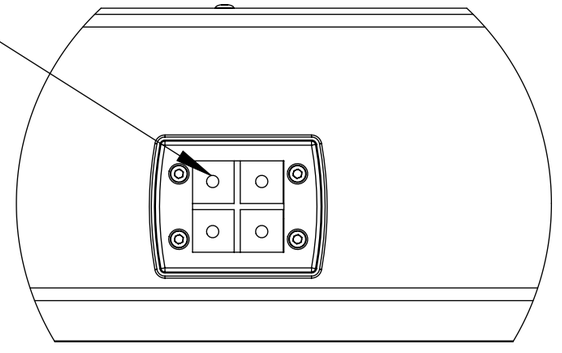


Cables for the screen can be routed in from both sides, allowing for power and signal cables to be separated when entering the mechanism.

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

Mechanism Power and Control Cables.

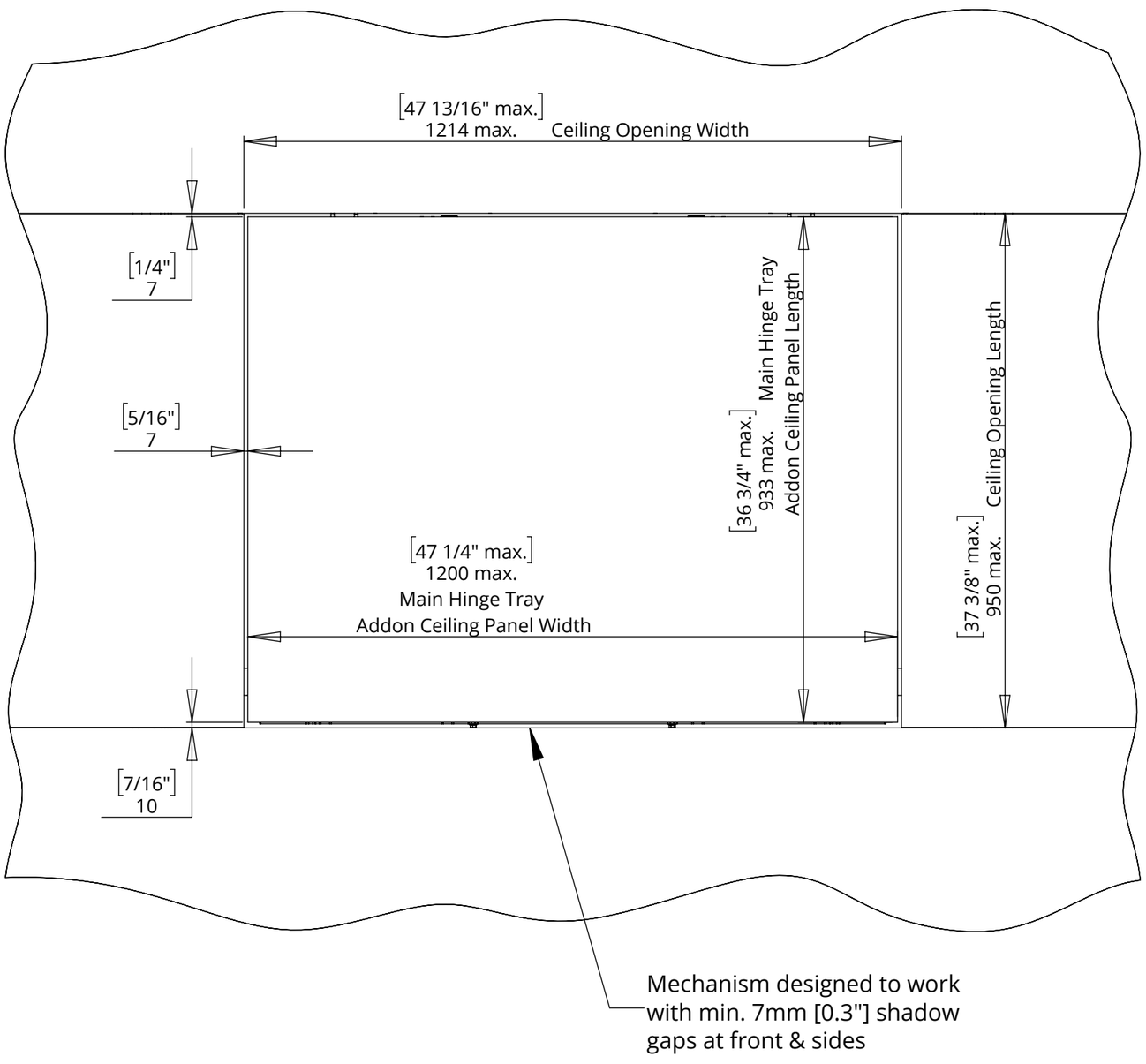
Screen power and Signal

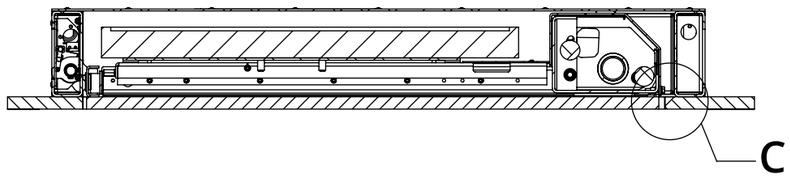
UK +44 (0) 1438 833577 **US** +1 (603) 742 9181
www.**FUTUREAUTOMATION**.NET

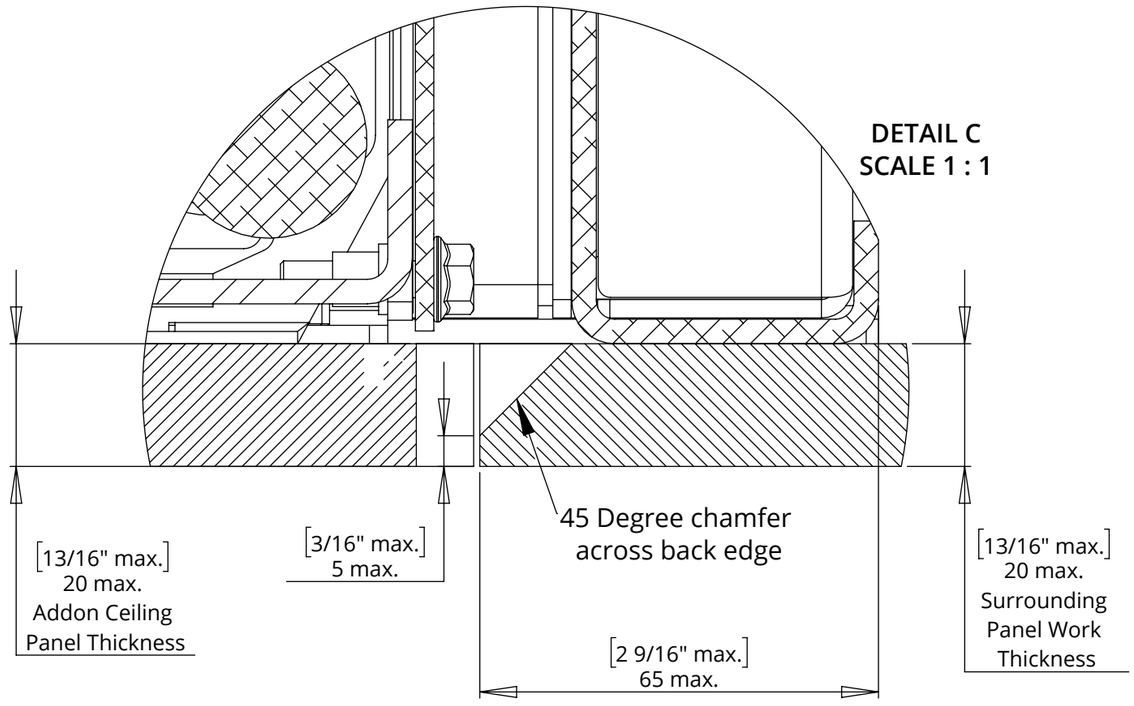
TECHNICAL SHEET
ISSUE 004
SHEET 4

CHR4-C-M
COMPACT MARINE CEILING HINGE RANGE

CEILING DETAILS





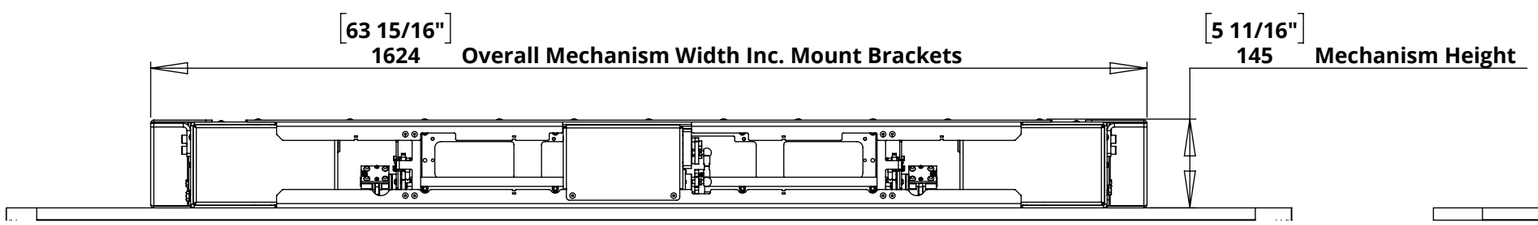


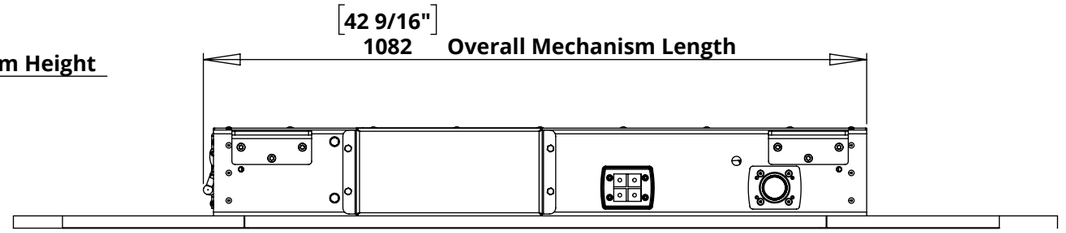
Ensure all panel work is the same thickness.

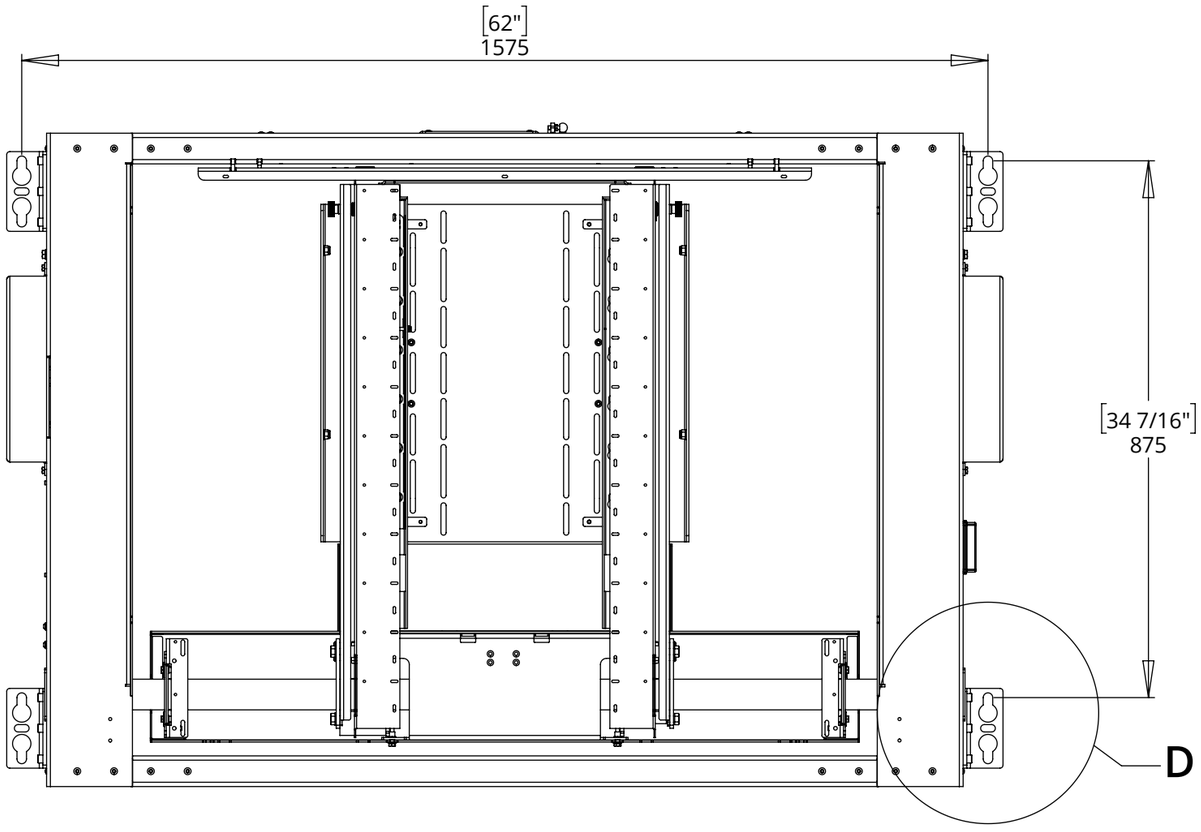
Weight of all addon panel work must be included in maximum mechanism lifting capacity.

CHR4-C-M
COMPACT MARINE CEILING HINGE RANGE

MECHANISM DIMENSIONS - CLOSED

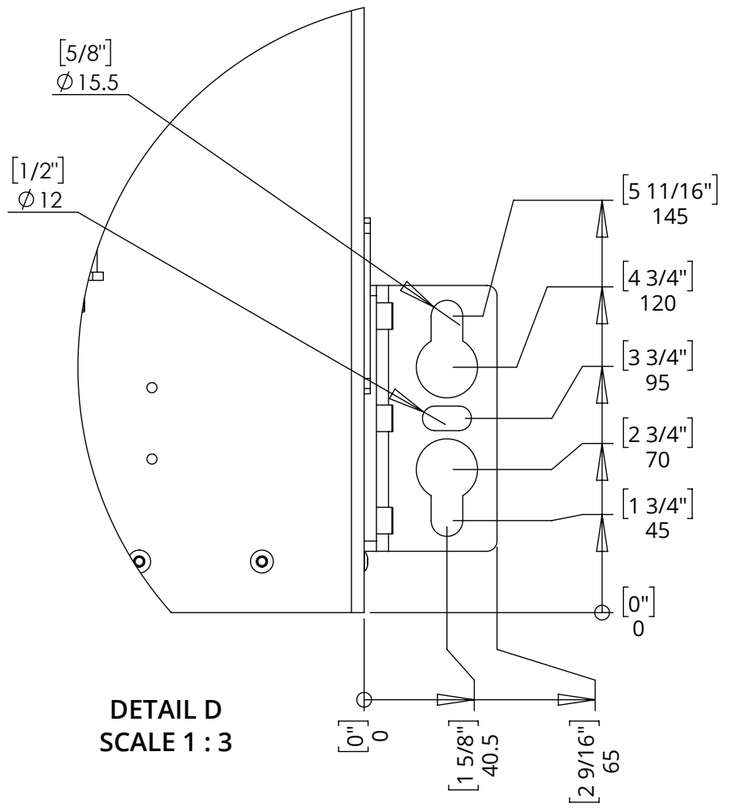






FIXING DETAIL

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

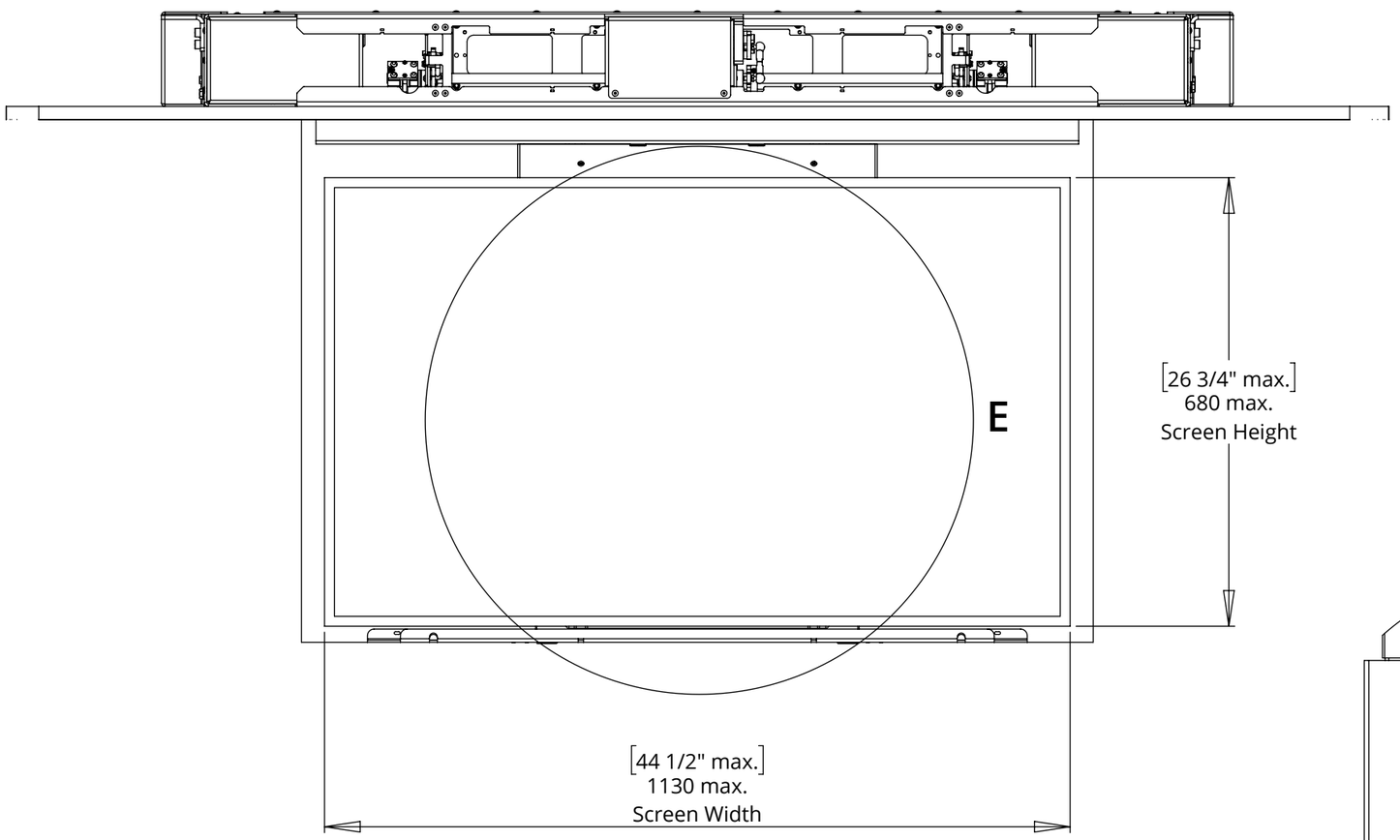


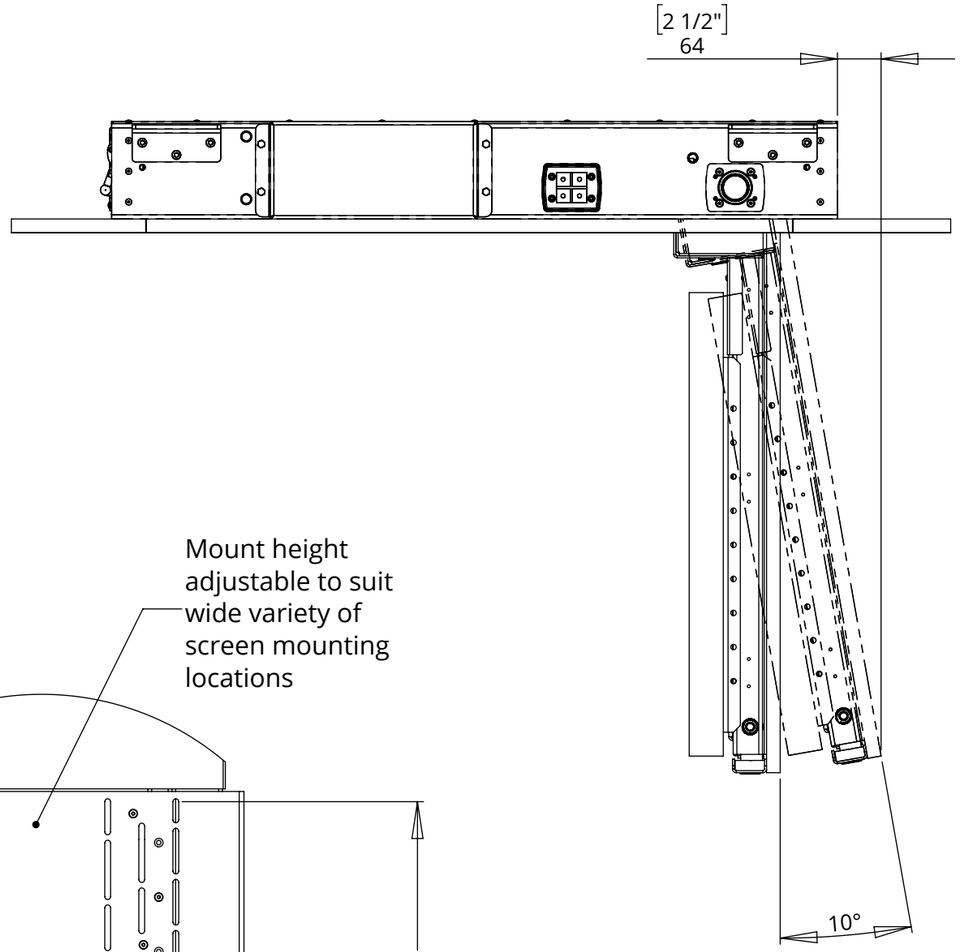
UK +44 (0) 1438 833577 **US** +1 (603) 742 9181
www.**FUTUREAUTOMATION**.NET

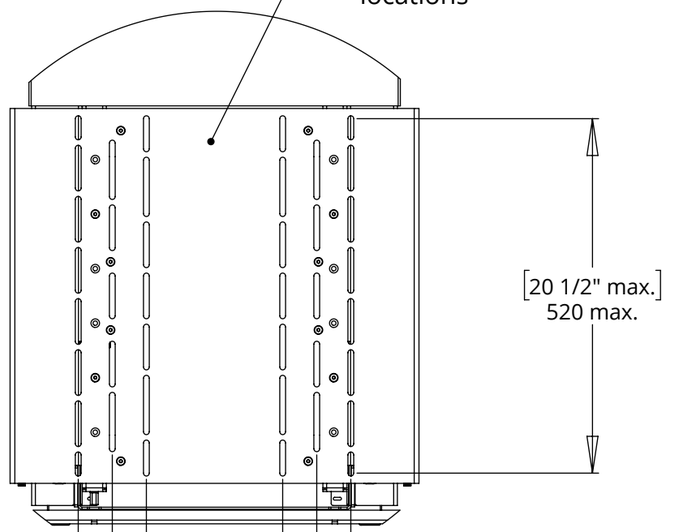
TECHNICAL SHEET
ISSUE 004
SHEET 6

CHR4-C-M
COMPACT MARINE CEILING HINGE RANGE

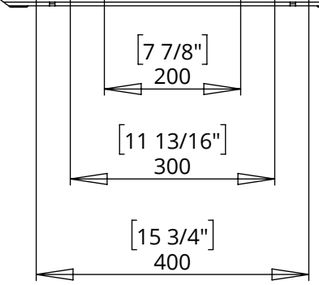
MECHANISM DIMENSIONS - OPEN







DETAIL E
Mount Details



Maximum VESA 400 x 400 supplied as standard

Custom Mount Options available on request

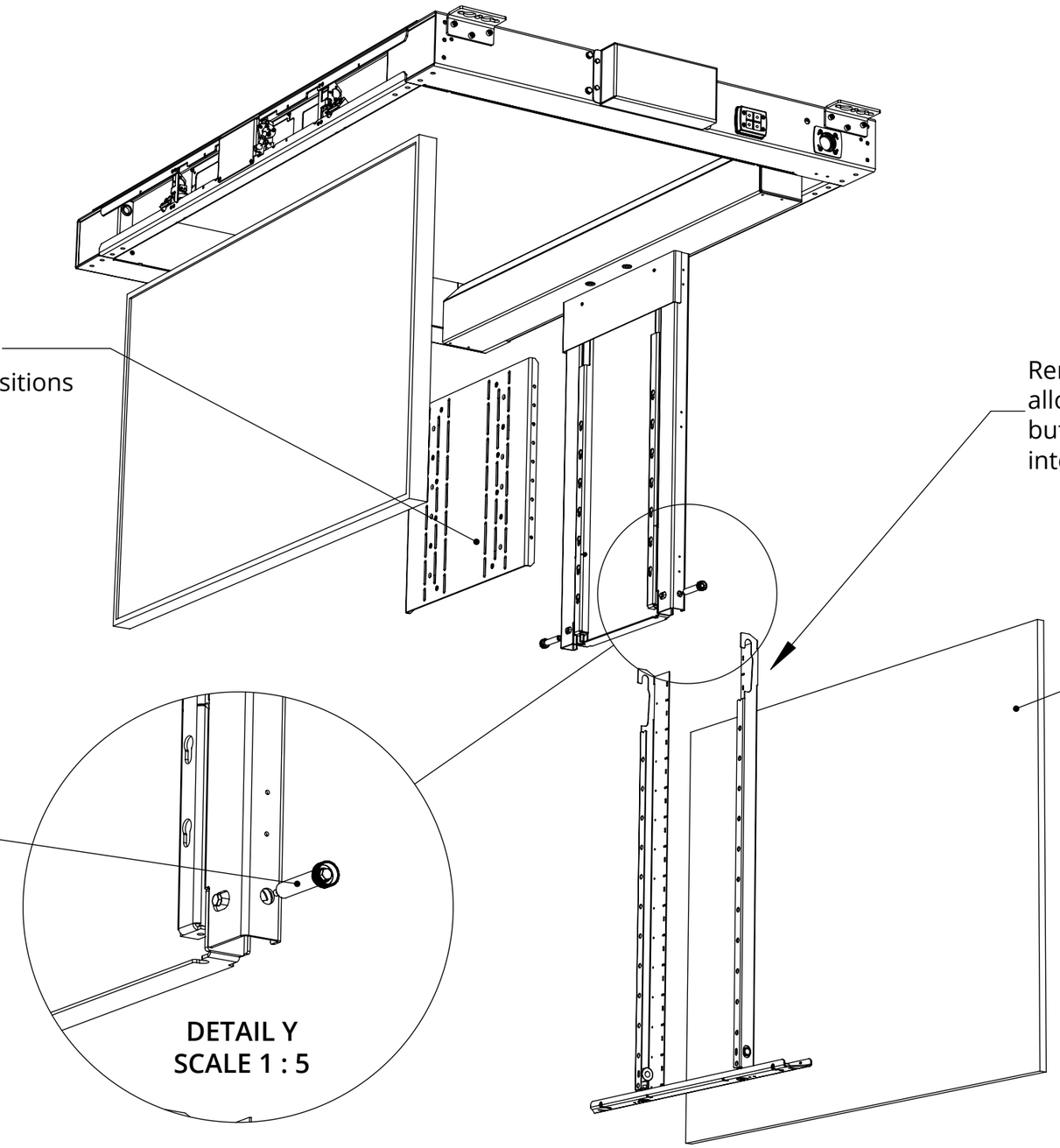
UK +44 (0) 1438 833577 **US** +1 (603) 742 9181
www.**FUTUREAUTOMATION**.NET

TECHNICAL SHEET
ISSUE 004
SHEET 7

CHR4-C-M
COMPACT MARINE CEILING HINGE RANGE

future automation

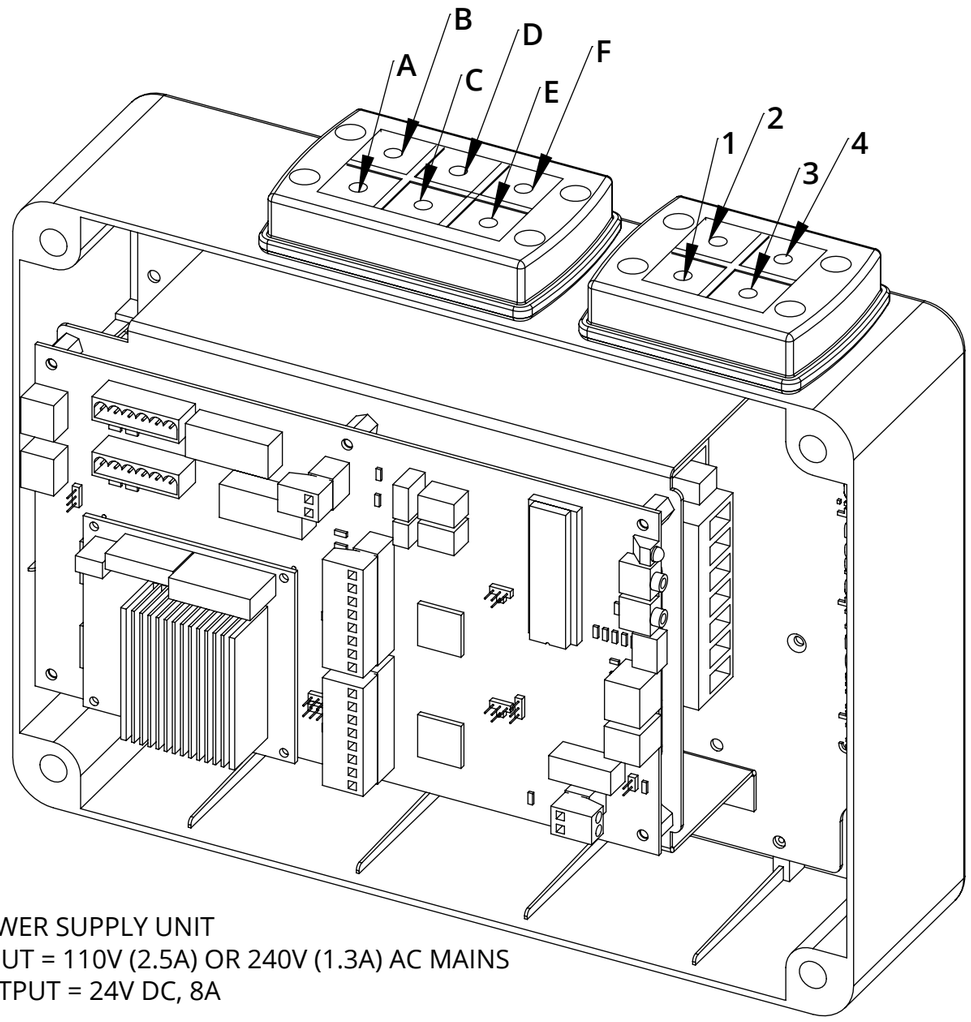
MECHANISM CONSTRUCTION OVERVIEW



CHR4-C-M
COMPACT MARINE CEILING HINGE RANGE

future automation

CONTROL BOX DETAILS



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

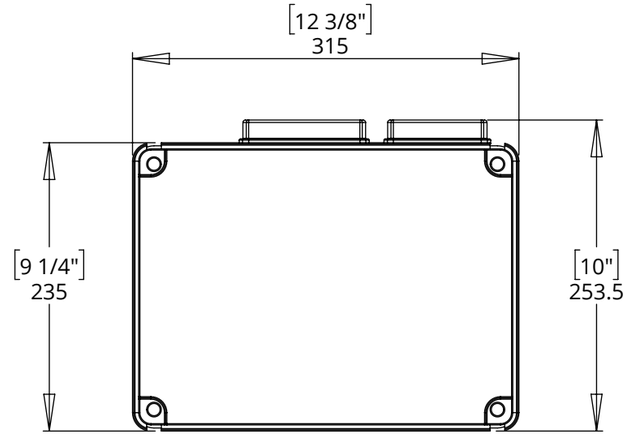
IP66 Multicable Glands.

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"].

UK +44 (0) 1438 833577 **US** +1 (603) 742 9181
www.**FUTUREAUTOMATION**.NET

TECHNICAL SHEET
ISSUE 004
SHEET 9