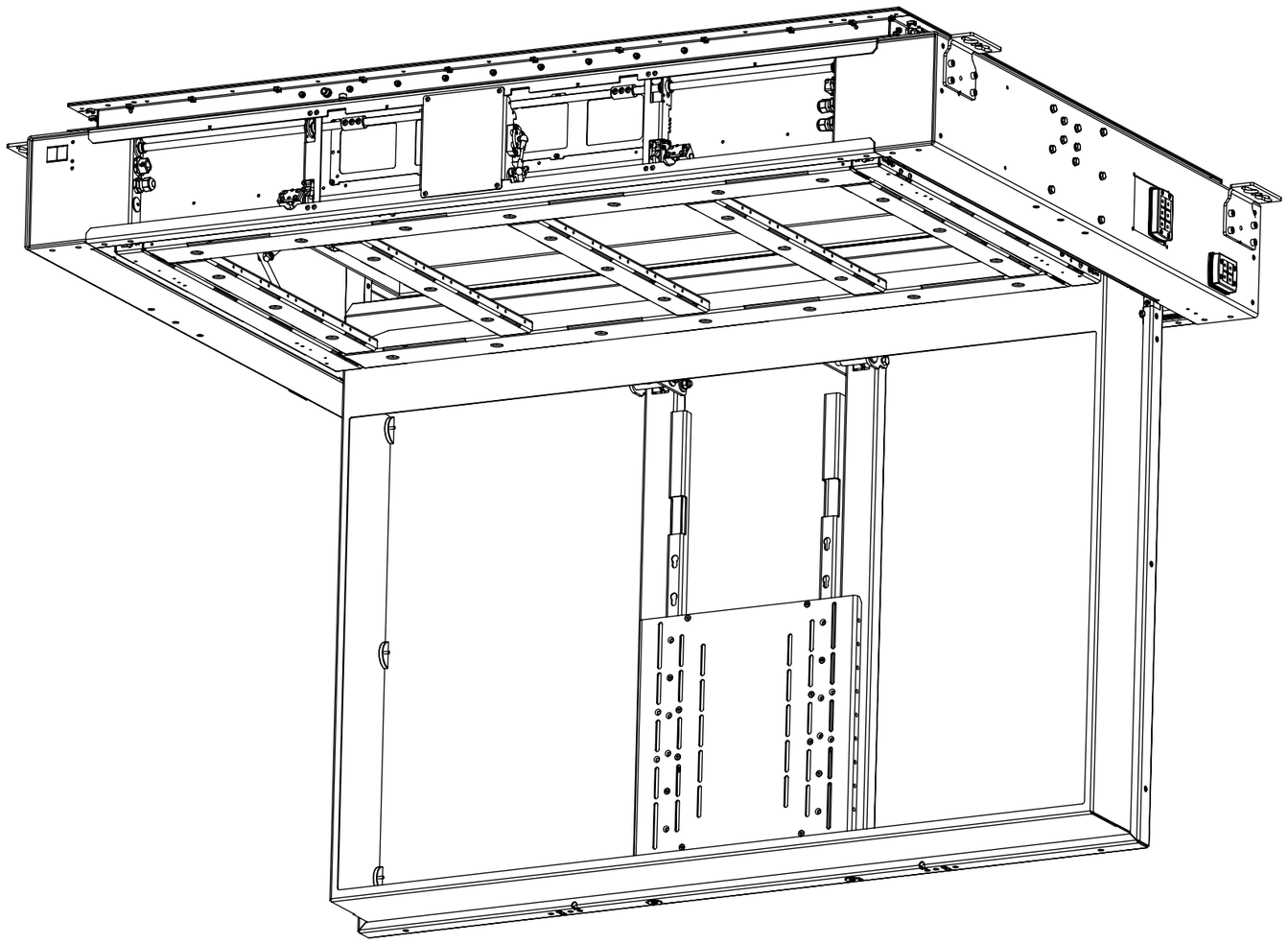
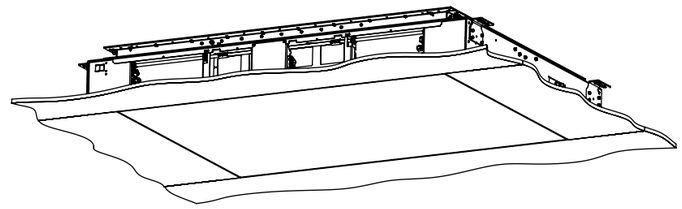
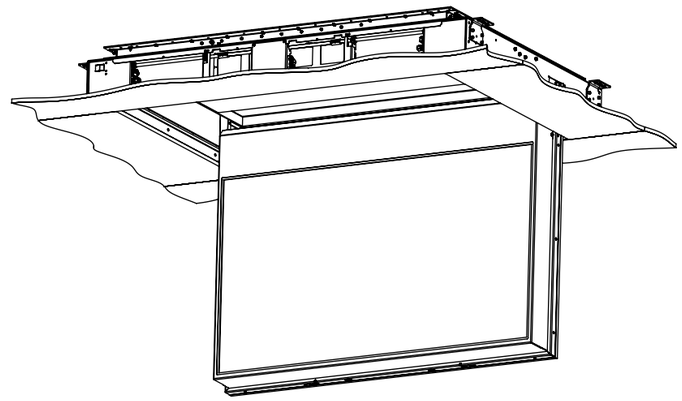
CHR7-MO-DDP

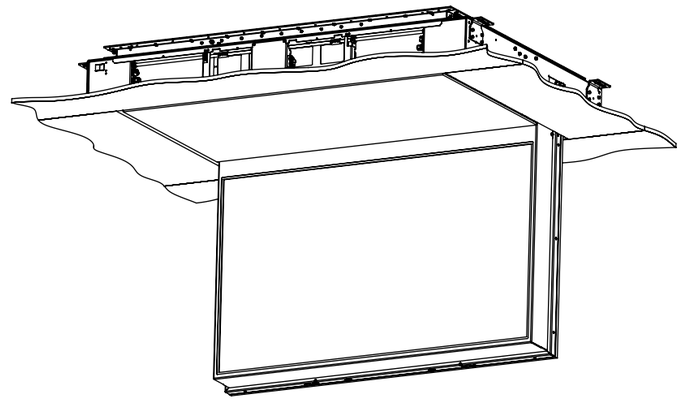
MARINE OUTDOOR CEILING HINGE RANGE WITH DROP DOWN PANEL



MECHANISM AS SUPPLIED







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

TECHNICAL SHEET
ISSUE 004
SHEET 1

CHR7-MO-DDP

MARINE OUTDOOR CEILING HINGE RANGE WITH DROP DOWN PANEL

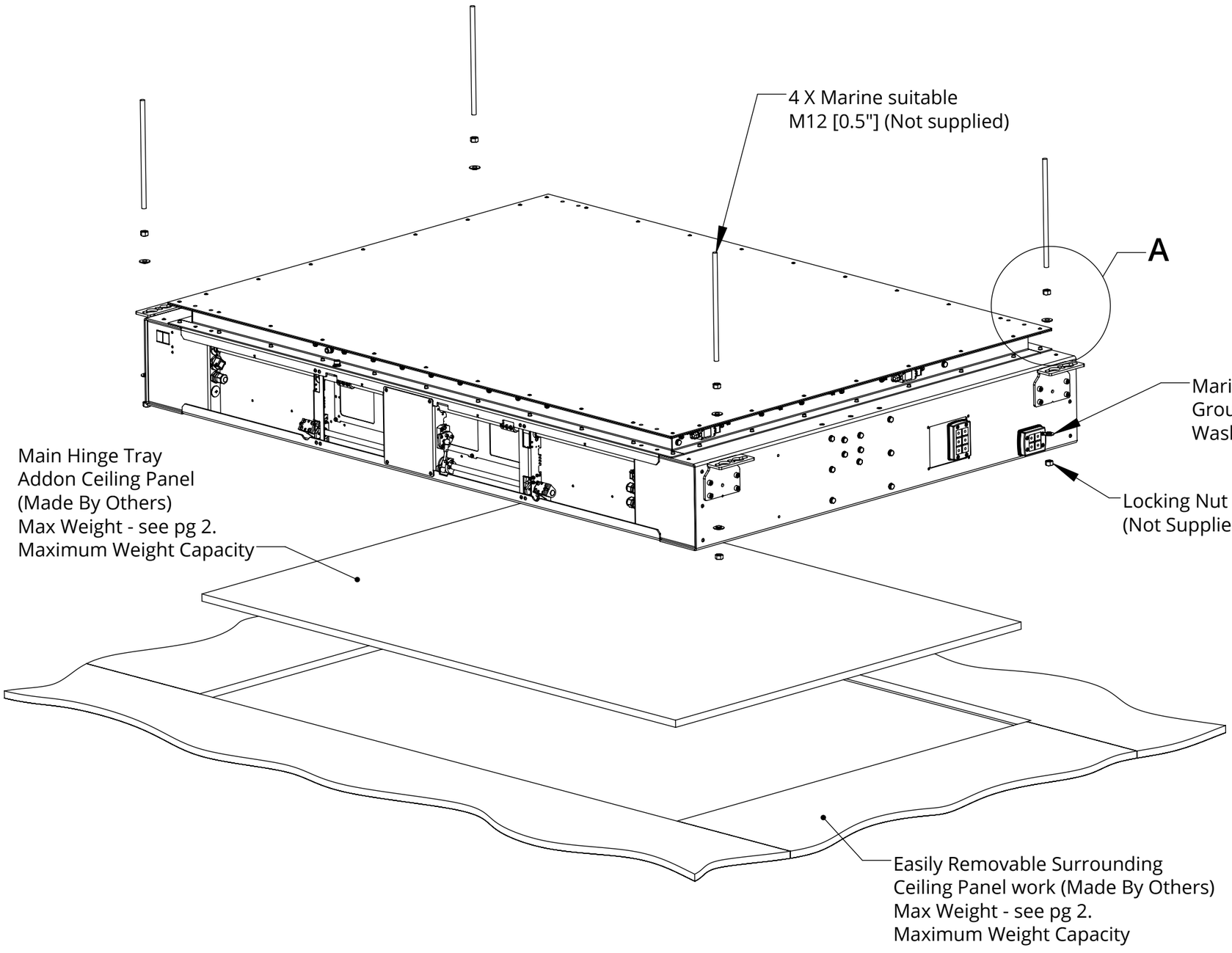
future automation

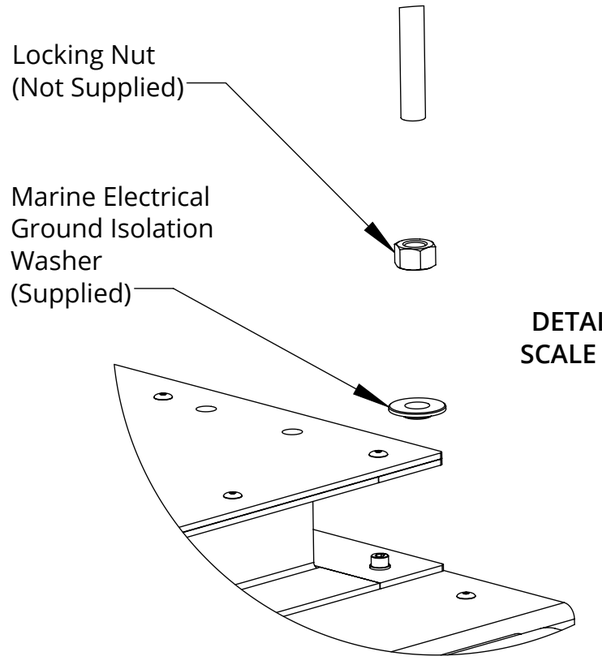
SPECIFICATION	MEASUREMENTS
Product Dimensions	2224mm [87 9/16"] W x 1442mm [56 3/4 "] L x 302mm [11 7/8 "] D
Product Weight	230Kg [507lb]
Maximum Screen Size (≤70mm D)	1730mm [68 1/8 "] W x 1010mm [39 3/4 "] L x 70mm [2 3/4 "] D
Maximum Screen Size (>70mm D)	1730mm [68 1/8 "] W x 980mm [38 9/16"] L x 120mm [4 3/4 "] D
Maximum Weight Capacity	150Kg [331lb] Max. - Inc 30Kg [66lb] Max. Addon Ceiling Panel Main Hinge - Drop Down Panel Max Weight Capacity - 10Kg [22lbs] **Assuming Screen Weight Biased Low (3/4 Screen Height)*
Packaging Dimensions	2270mm [89 3/8 "] W x 1600mm [63"] L x 550mm [21 5/8 "] D
Shipping Weight	400Kg [881lb]
Maximum Rotation	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 Outdoor
Colour	WHITE - RAL9910 Satin Finish
Marine Suitable	Yes - Marine Locks for secure stowing when not in use - Weatherproof when closed due to Marine Seals .

CHR7-MO-DDP

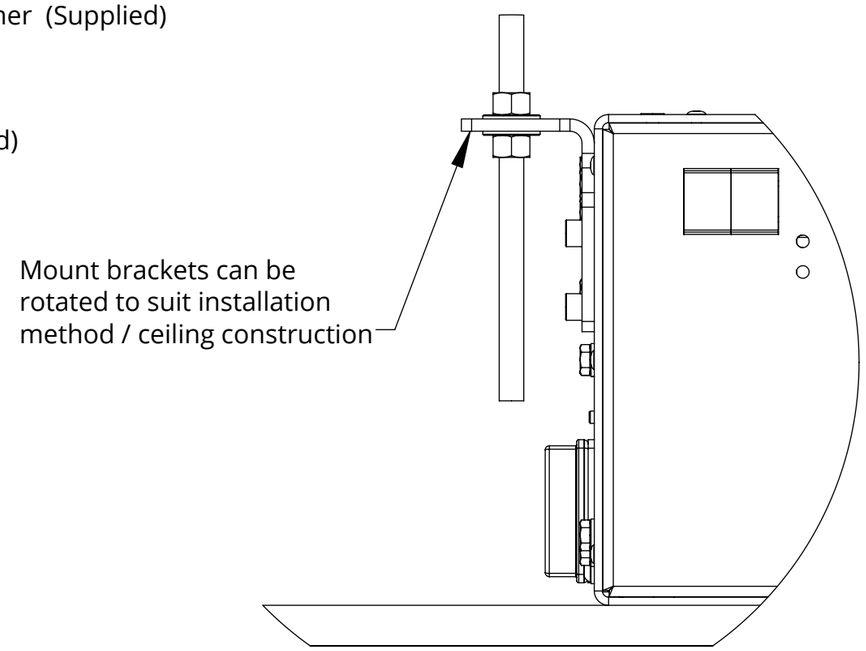
MARINE OUTDOOR CEILING HINGE RANGE WITH DROP DOWN PANEL

MECHANISM MOUNTING DETAILS





DETAIL A
SCALE 1 : 3



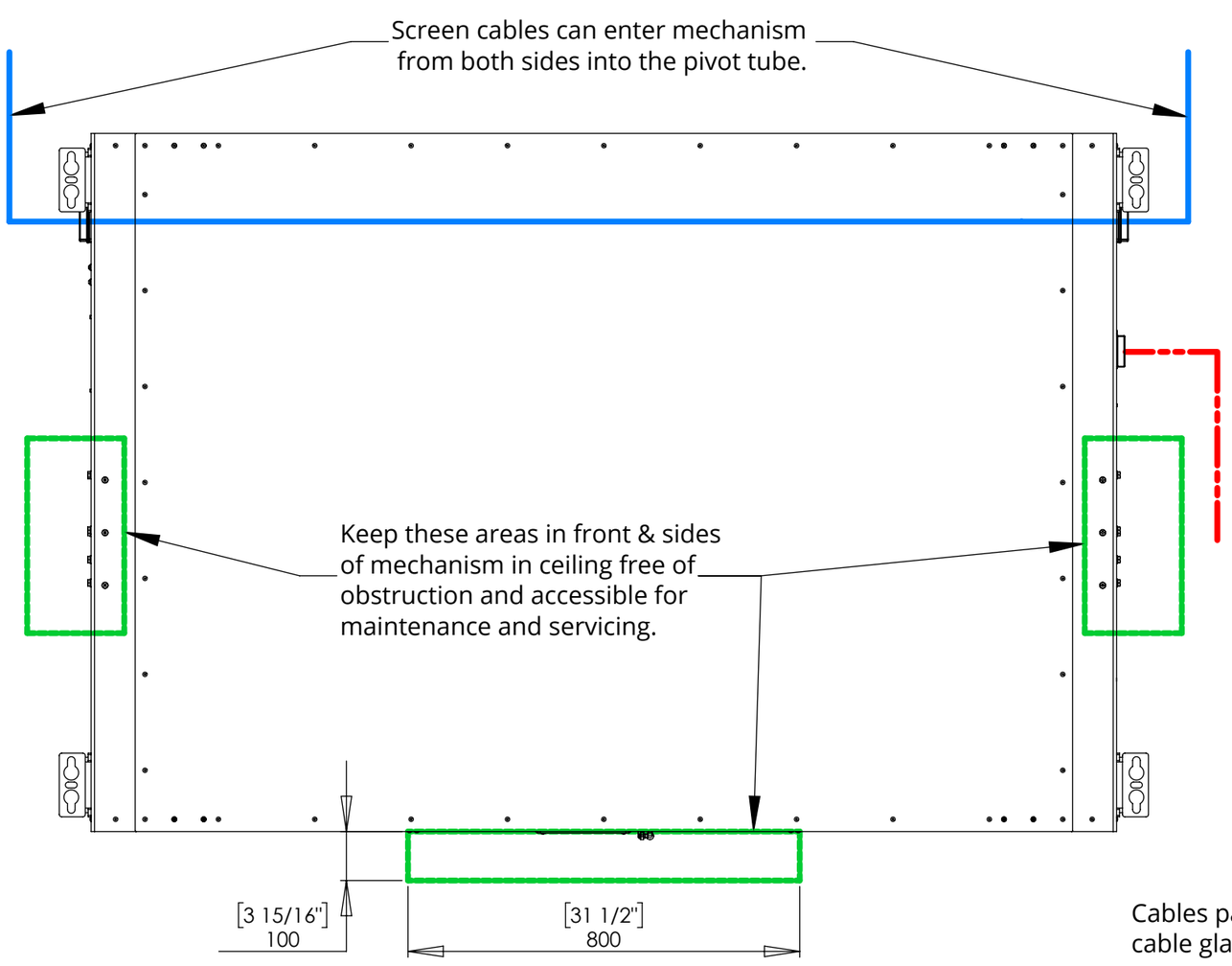
UK +44 (0) 1438 833577 **US** +1 (603) 742 9181
www.**FUTUREAUTOMATION**.NET

TECHNICAL SHEET
ISSUE 004
SHEET 3

CHR7-MO-DDP

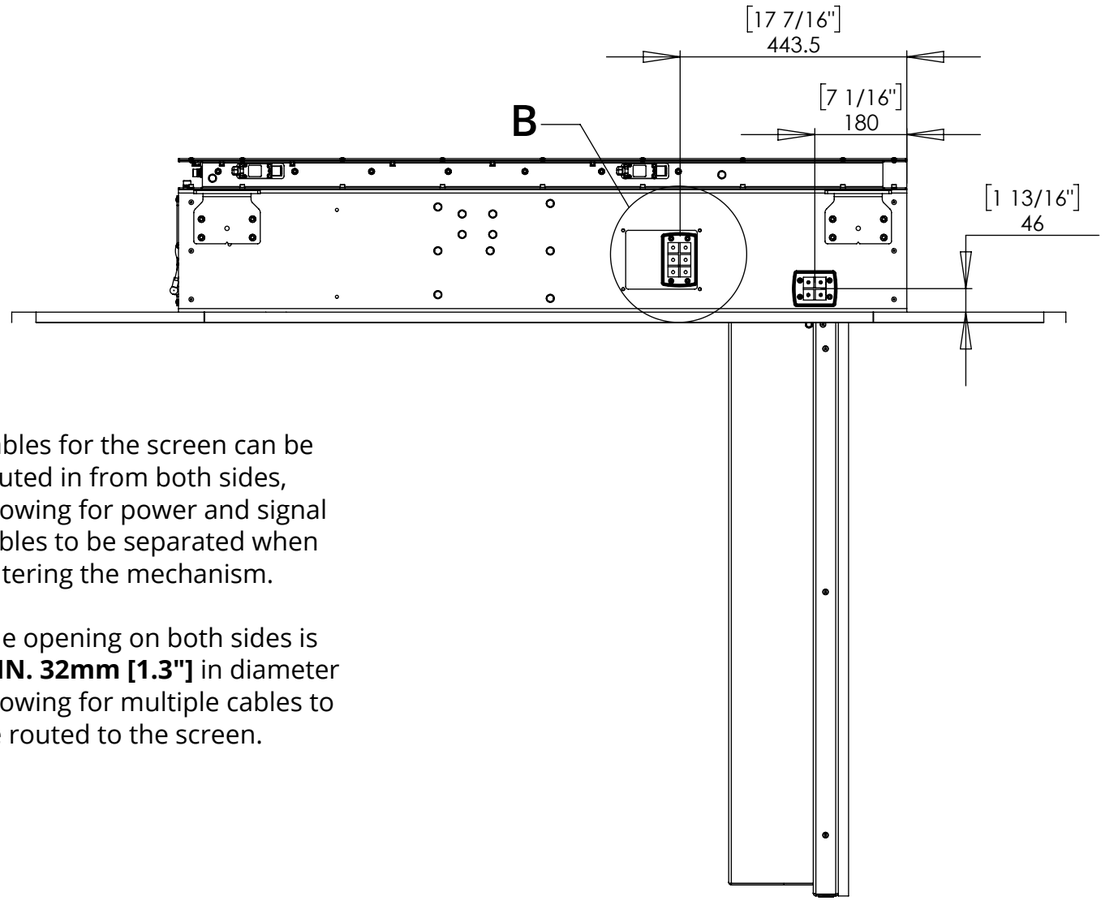
MARINE OUTDOOR CEILING HINGE RANGE WITH DROP DOWN PANEL

CEILING PREPARATION



Mechanism Power and Control Cables.

Screen power and Signal

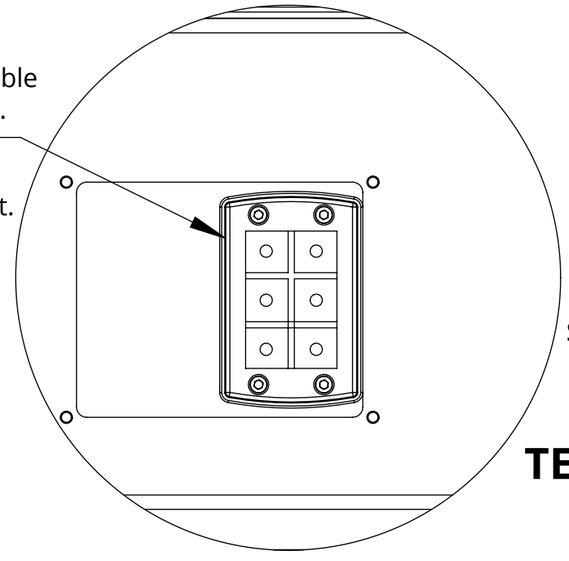


Cables for the screen can be routed in from both sides, allowing for power and signal cables to be separated when entering the mechanism.

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

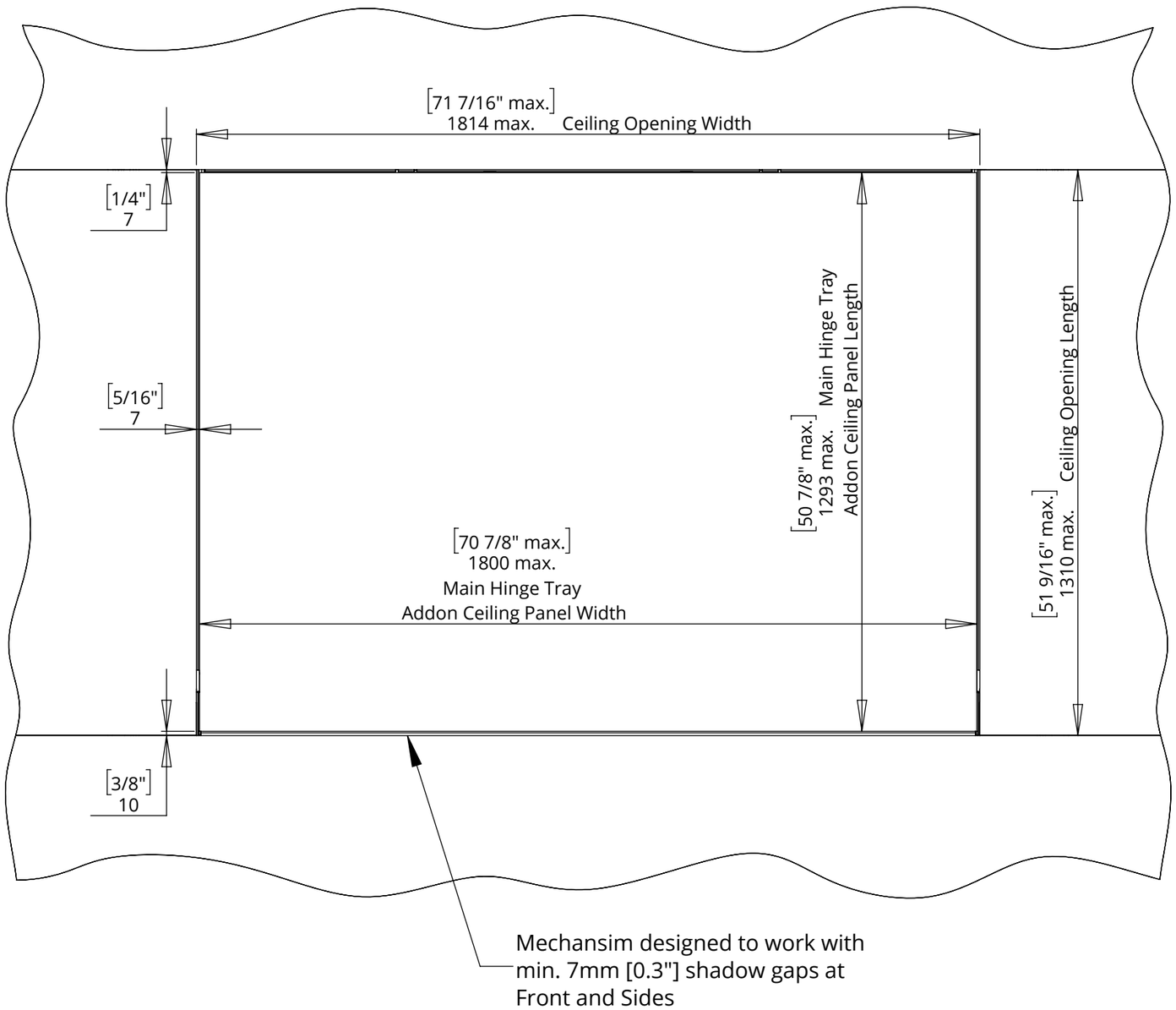
UK +44 (0) 1438 833577 **US** +1 (603) 742 9181
www.**FUTUREAUTOMATION**.NET

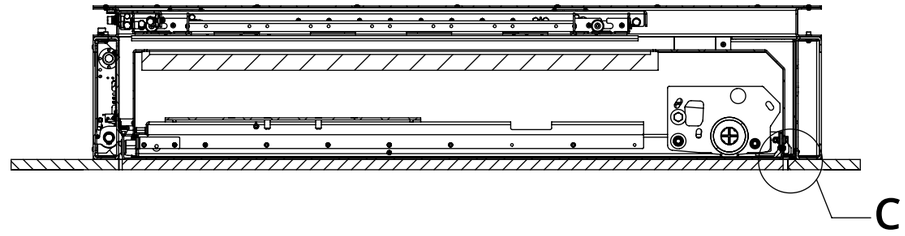
TECHNICAL SHEET
ISSUE 004
SHEET 4

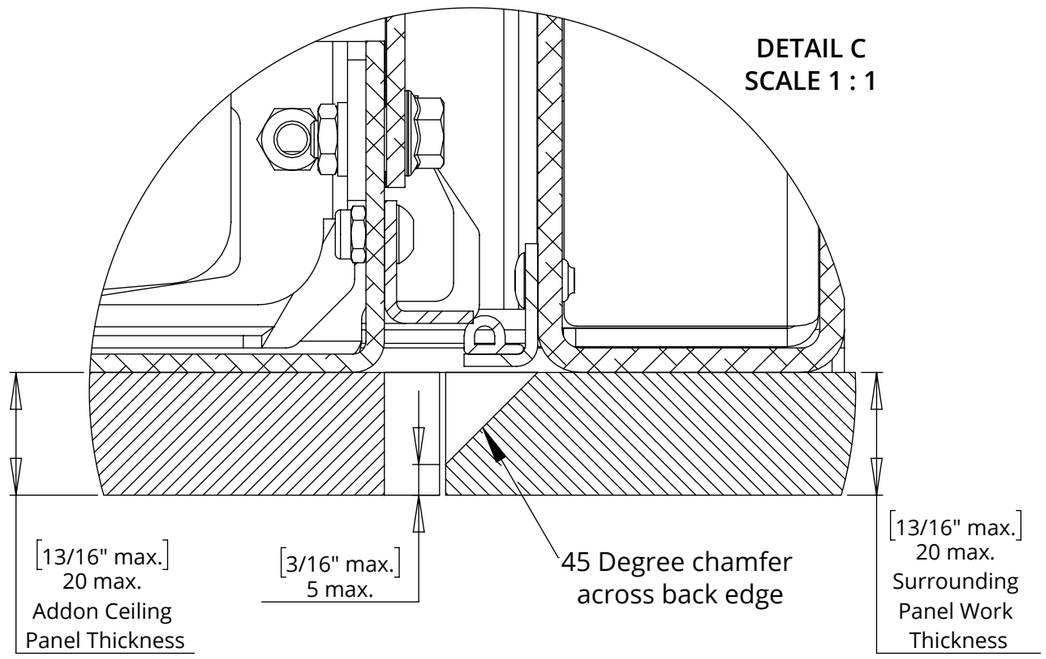
CHR7-MO-DDP

MARINE OUTDOOR CEILING HINGE RANGE WITH DROP DOWN PANEL

CEILING DETAILS







Ensure all panel work is the same thickness.

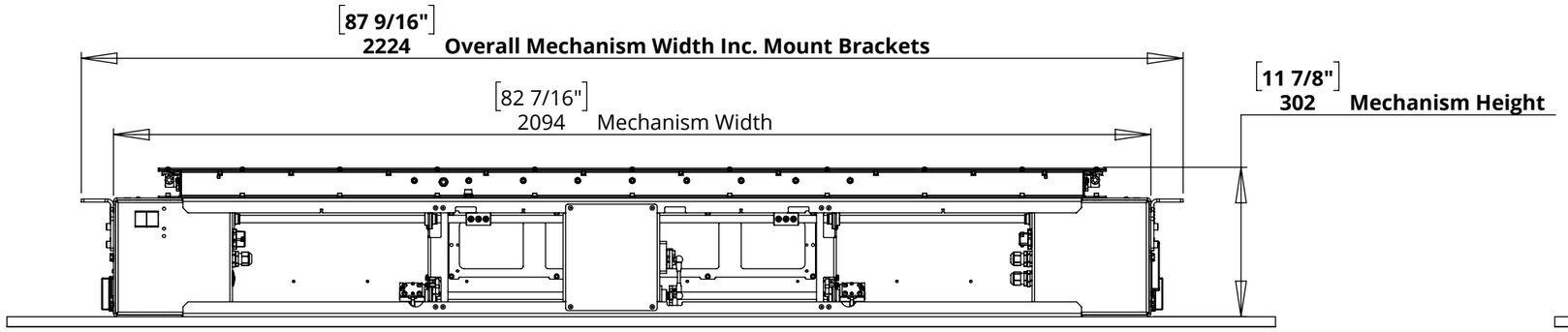
Weight of all addon panel work must be included in maximum mechanism lifting capacity.

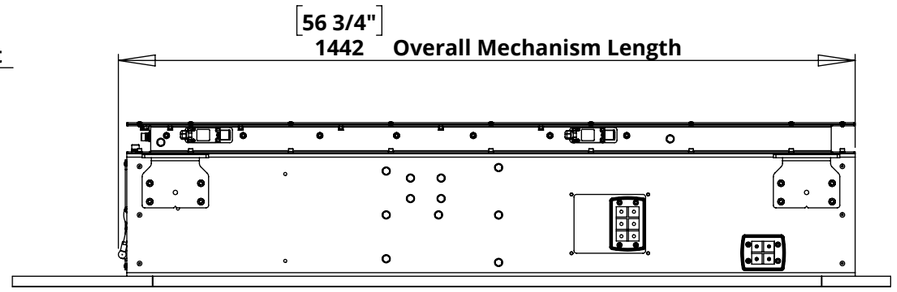
UK +44 (0) 1438 833577 **US** +1 (603) 742 9181
www.**FUTUREAUTOMATION**.NET

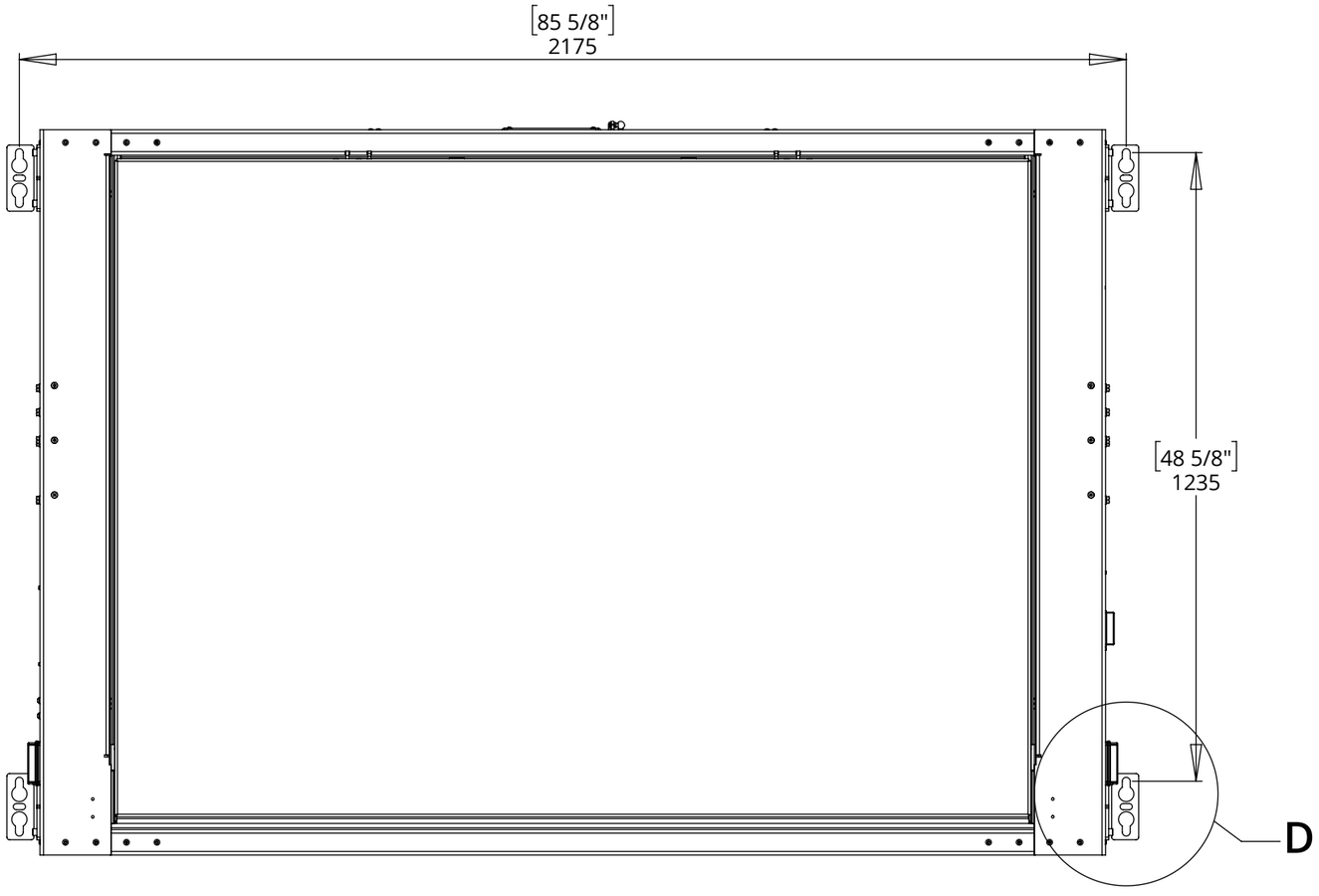
CHR7-MO-DDP

MARINE OUTDOOR CEILING HINGE RANGE WITH DROP DOWN PANEL

MECHANISM DIMENSIONS - CLOSED

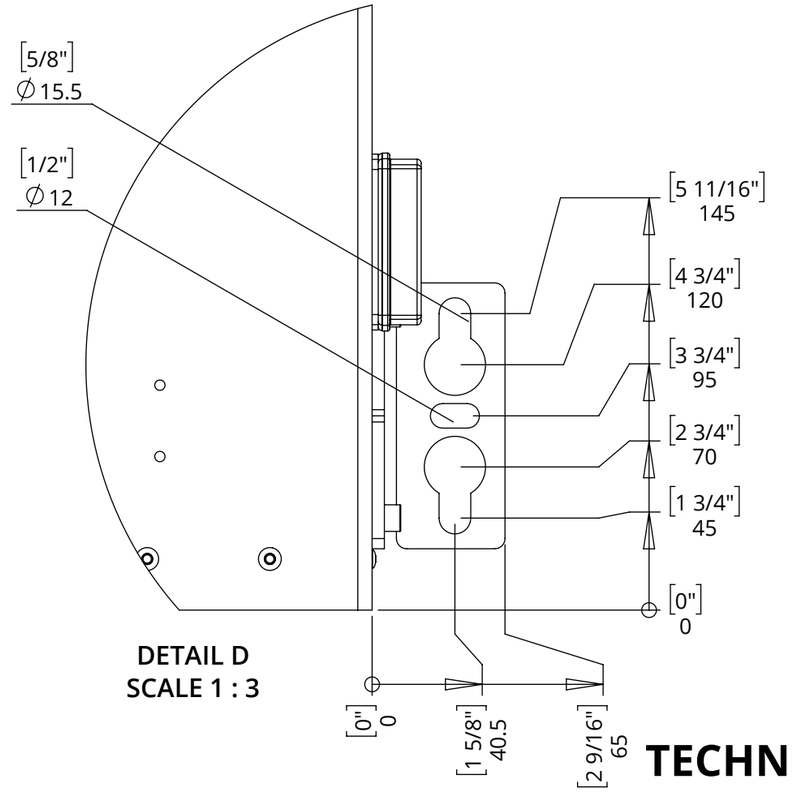






FIXING DETAIL

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

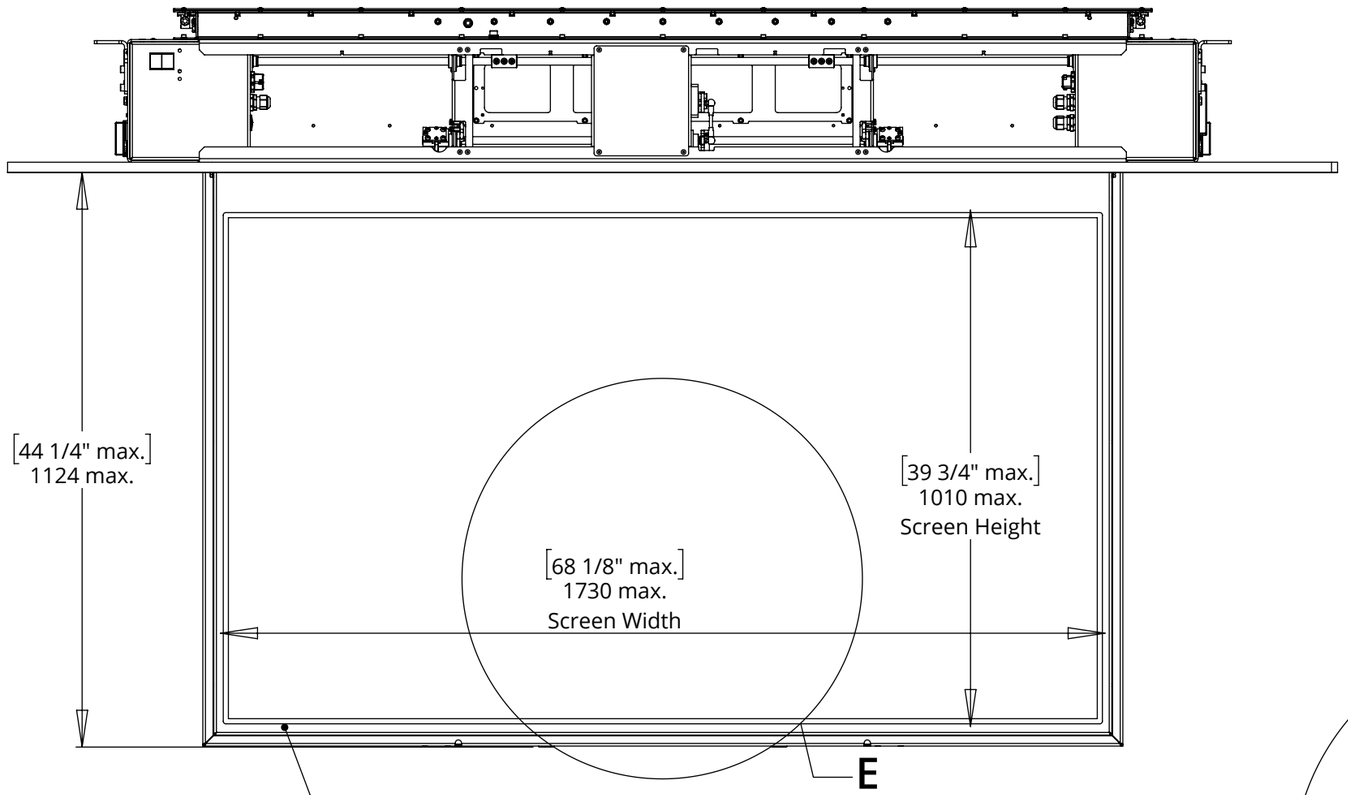
ISSUE 004

SHEET 6

CHR7-MO-DDP

MARINE OUTDOOR CEILING HINGE RANGE WITH DROP DOWN PANEL

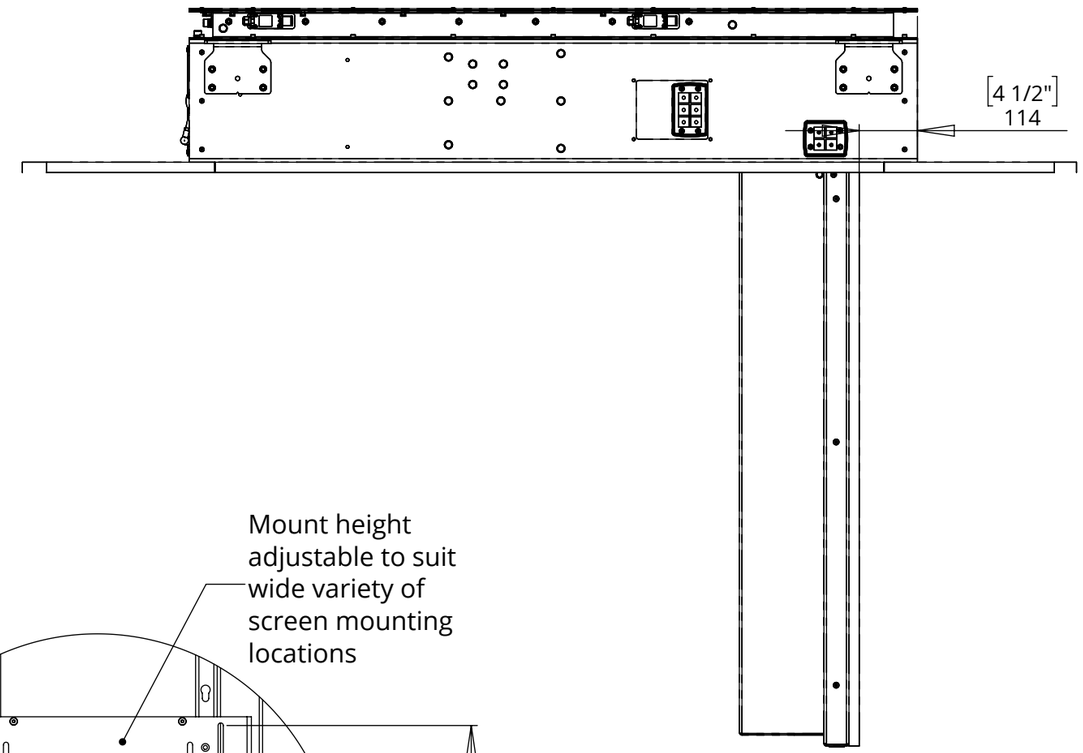
MECHANISM DIMENSIONS - OPEN

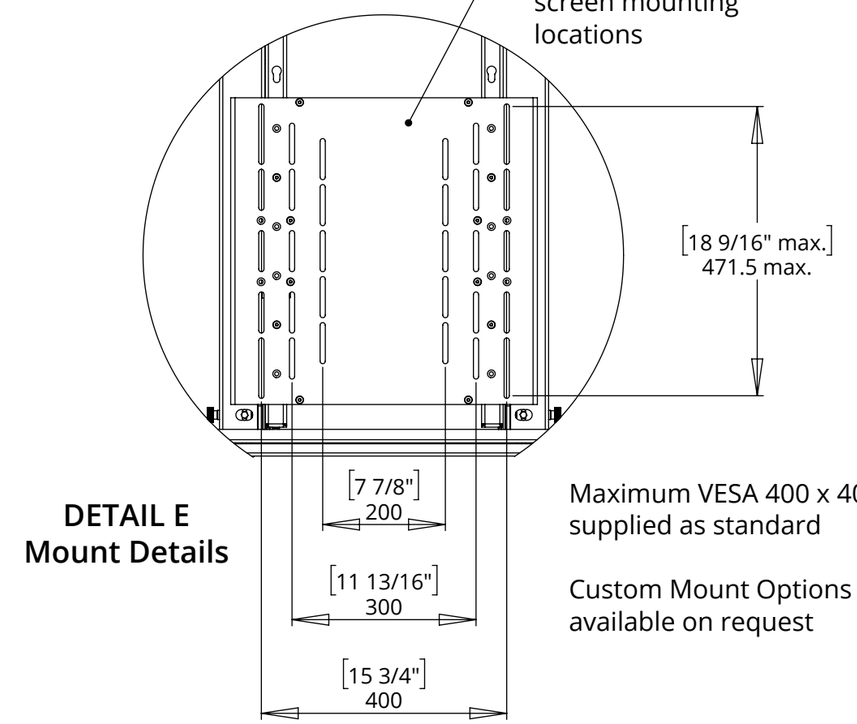


Shown with custom screen surround.

Supplied at request, screen details required at point of order.

Screen surround overlaps screen on all edges by 5mm as standard. If required this can be customised to suit.





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

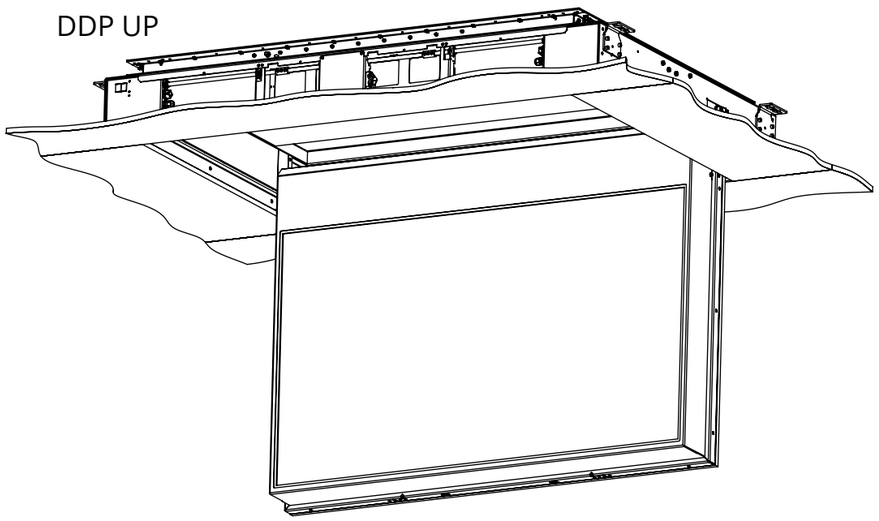
CHR7-MO-DDP

MARINE OUTDOOR CEILING HINGE RANGE WITH DROP DOWN PANEL

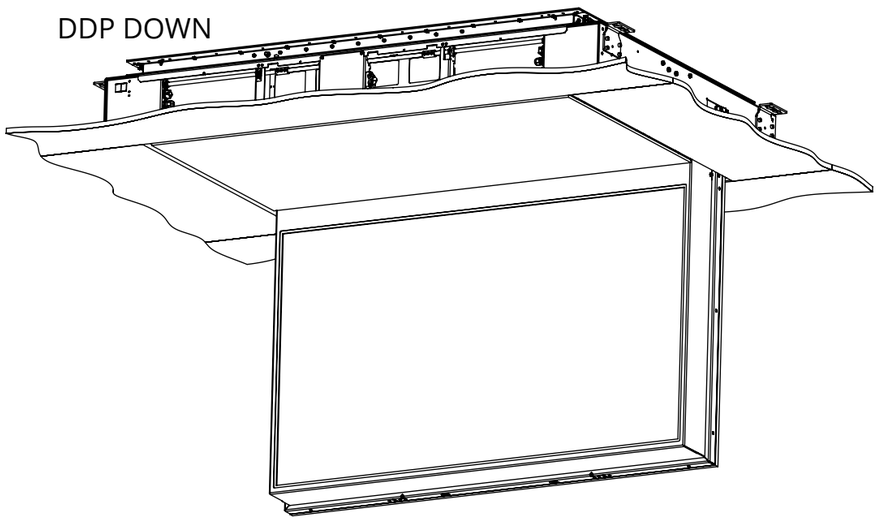
future automation

DROP DOWN PANEL DETAILS

DDP UP

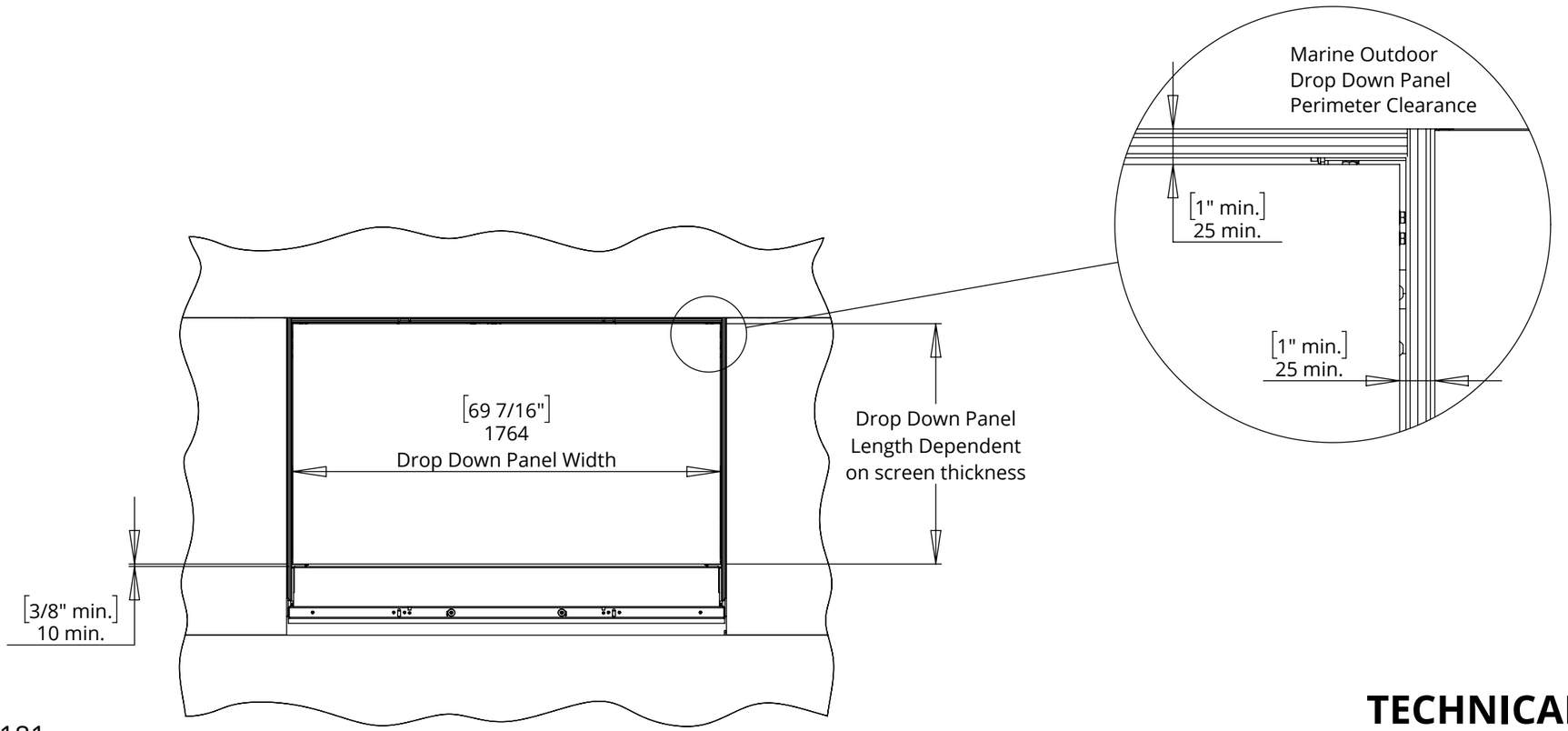


DDP DOWN



Drop Down Panel Max Thickness 10mm [3/8"]

Maximum Weight of Drop Down Panel can be found on Sheet 2



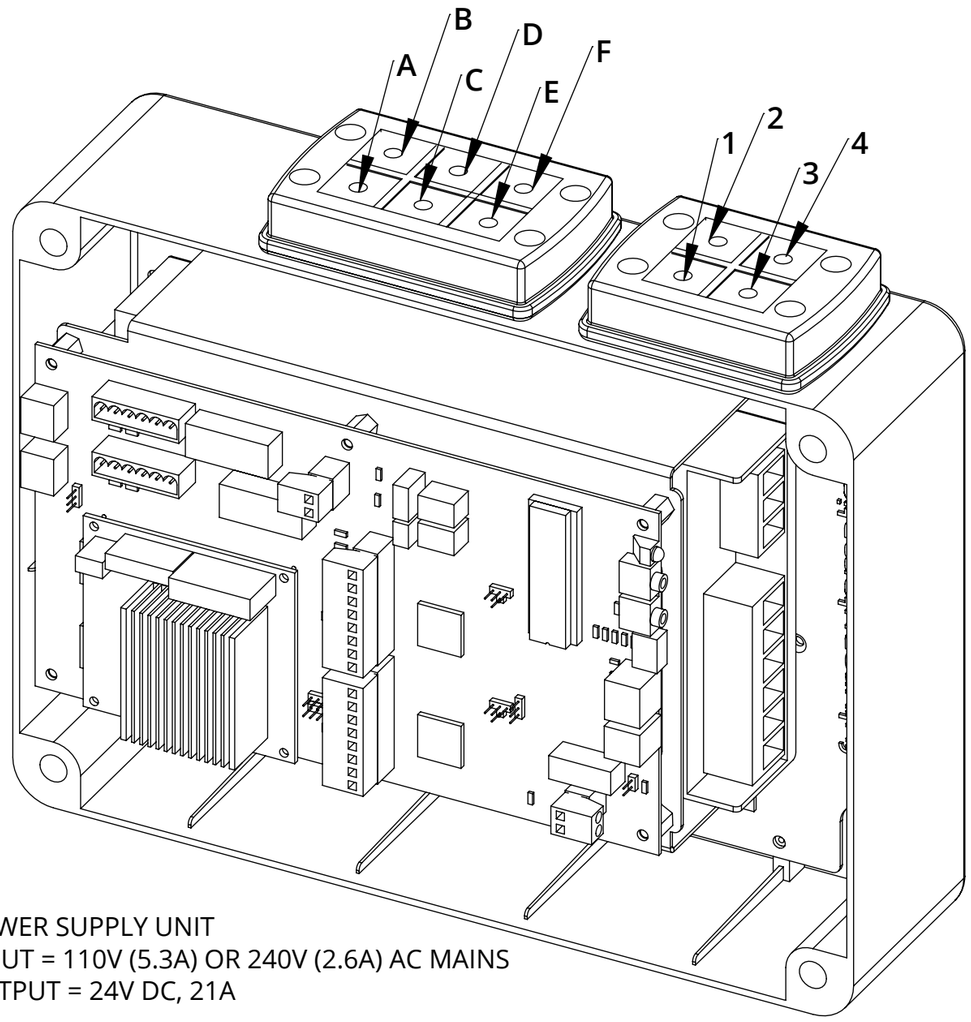
UK +44 (0) 1438 833577 **US** +1 (603) 742 9181
www.**FUTUREAUTOMATION**.NET

TECHNICAL SHEET
ISSUE 004
SHEET 8

CHR7-MO-DDP

MARINE OUTDOOR CEILING HINGE RANGE WITH DROP DOWN PANEL

CONTROL BOX DETAILS



POWER SUPPLY UNIT
INPUT = 110V (5.3A) OR 240V (2.6A) AC MAINS
OUTPUT = 24V DC, 21A

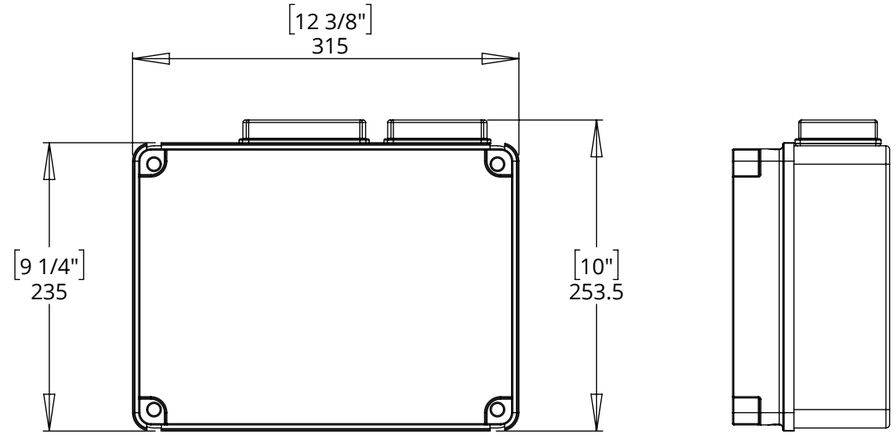
IP66 Multicable Glands.

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

A.	Hinge Motor A + IN / OUT SW	- (1 x 8 core) 8.5mm [0.33"] dia. (EU SPEC: 0.34mm² US SPEC: 22AWG)
B.	Hinge Motor B	- (1 x 8 core) 8.5mm [0.33"] dia. (EU SPEC: 0.34mm² US SPEC: 22AWG)
C.	BLANK	
D.	DDP Motor Power + IN / OUT SW	- (1 x 8 core) 8.5mm [0.33"] dia. (EU SPEC: 0.34mm² US SPEC: 22AWG)
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