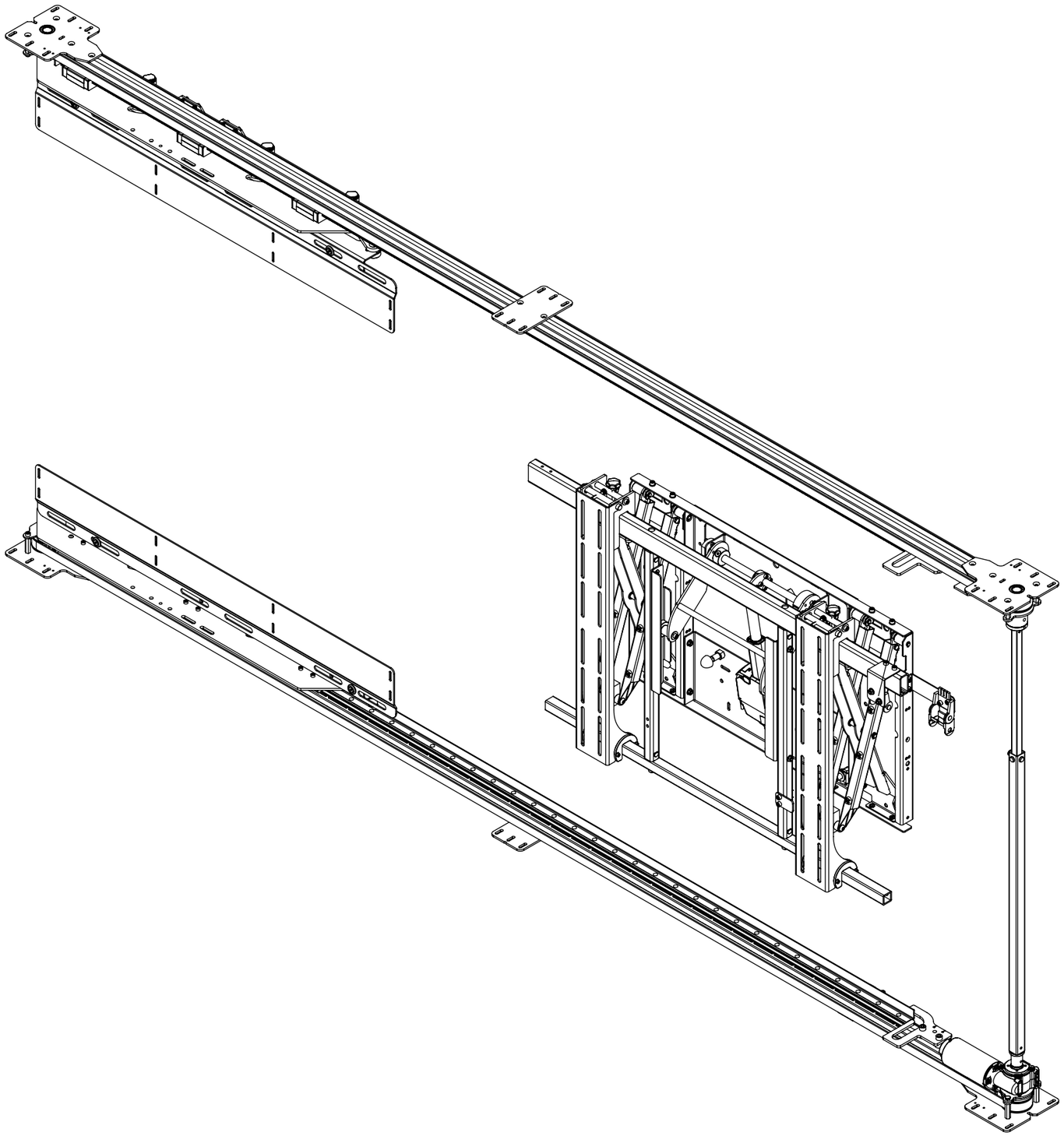
SPS-HZ-8
SLIDING PANEL MECHANISM - HORIZONTAL

future automation



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

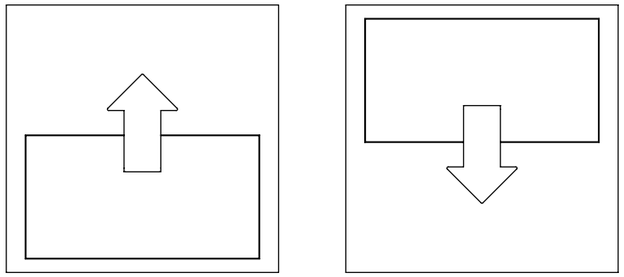
TECHNICAL SHEET
ISSUE 003
SHEET 1

SPS-HZ-8
SLIDING PANEL MECHANISM - HORIZONTAL

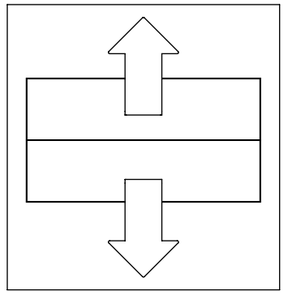
MODEL	DESCRIPTION	MIN SCREEN HEIGHT	MAX SCREEN HEIGHT
SPS-V-5	Vertical - Single Panel	700 [27 9/16"]	800 [31 1/2"]
SPS-V-6	Vertical - Single Panel	801 [31 9/16"]	950 [37 3/8"]
SPS-V-7	Vertical - Single Panel	951 [37 7/16"]	1100[43 5/16"]
SPS-V-8	Vertical - Single Panel	1101[43 3/8""]	1250[49 3/16"]
SPS-VS-5	Vertical - Double Splitting Panel	700 [27 9/16"]	800 [31 1/2"]
SPS-VS-6	Vertical - Double Splitting Panel	801 [31 9/16"]	950 [37 3/8"]
SPS-VS-7	Vertical - Double Splitting Panel	951 [37 7/16"]	1100[43 5/16"]
SPS-VS-8	Vertical - Double Splitting Panel	1101[43 3/8""]	1250[49 3/16"]

MODEL	DESCRIPTION	MIN SCREEN WIDTH	MAX SCREEN WIDTH
SPS-HZ-6	Horizontal - Single Panel	1400 [55 1/8"]	1600 [63"]
SPS-HZ-7	Horizontal - Single Panel	1601 [63 1/16""]	1850 [72 13/16"]
SPS-HZ-8	**Horizontal - Single Panel**	**1851 [72 7/8"]**	**2100 [82 11/16"]**
SPS-HZS-6	Horizontal - Double Splitting Panel	1400 [55 1/8"]	1600 [63"]
SPS-HZS-7	Horizontal - Double Splitting Panel	1601 [63 1/16""]	1850 [72 13/16"]
SPS-HZS-8	Horizontal - Double Splitting Panel	1851 [72 7/8"]	2100 [82 11/16"]

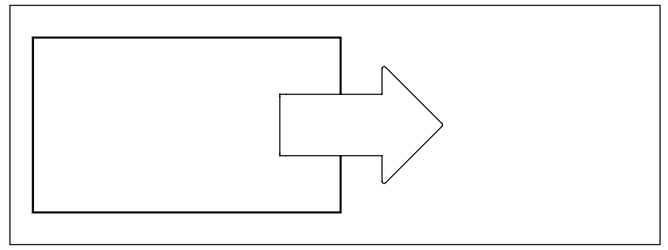
SPS-V - VERTICAL - SINGLE PANEL



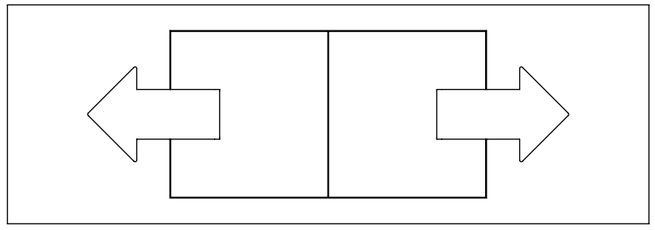
SPS-VS - VERTICAL SPLIT - DOUBLE PANEL



SPS-HZ - HORIZONTAL - SINGLE PANEL



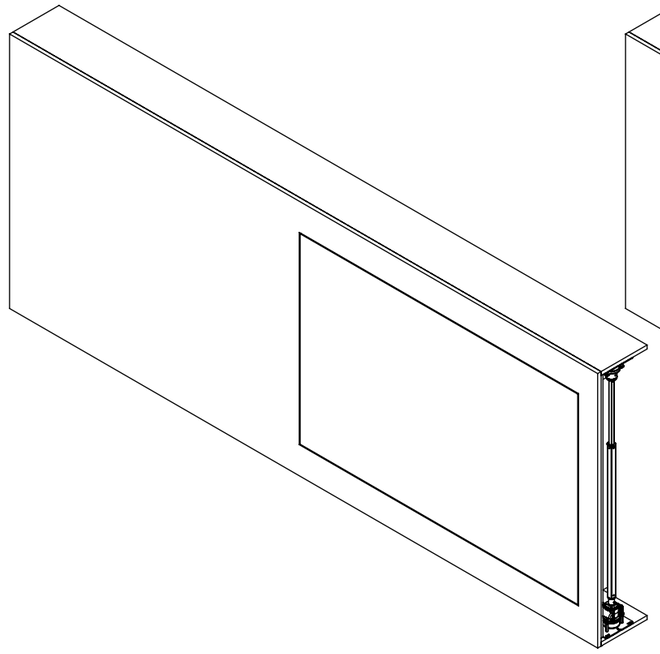
SPS-HZS - HORIZONTAL SPLIT- DOUBLE PANEL



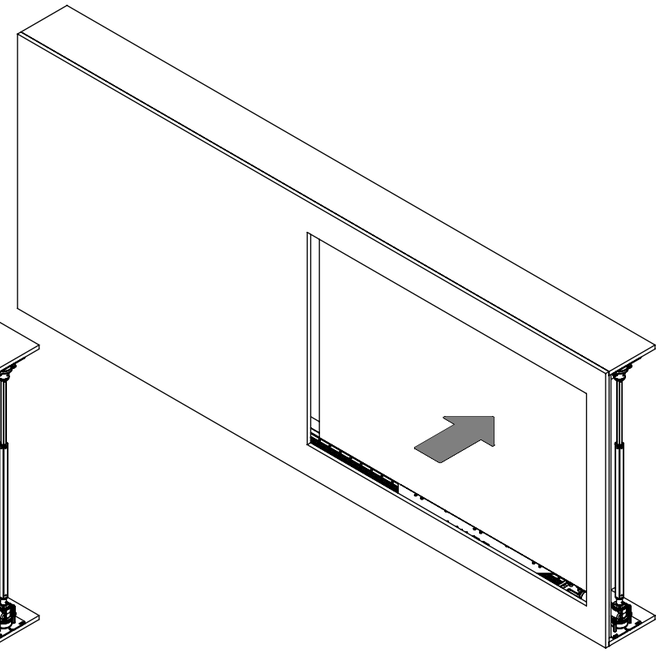
SPS-HZ-8
SLIDING PANEL MECHANISM - HORIZONTAL

SPECIFICATION	MEASUREMENTS
Minimum Screen Width	1851 [72 7/8"]
Maximum Screen Width	2100 [82 11/16"]
Minimum Screen Height	1000 [39 3/8"]
Maximum Screen Height	1300 [51 3/16"]
Maximum Moving Panel Weight	15Kg (33lbs)
Maximum Screen Weight	100Kg (220lbs)
Total Mechanism Weight	TBC
Packaging Dimensions (LxWxH)	TBC
Shipping Weight	TBC
Movement Type	Motorised
Power Supply Required	110V - 240V AC
Power Consumption Max.	120W
Power Consumption Standby	3W
Mounting Patterns Supported	VESA 200 - 800 W x 200 - 600 H
Control Options	IR Remote, RS232, Contact Closure
Product Options / Features	QA2 pairing option
Package Contents	Mechanism, IR remote control, Bolt Pack
Marine Suitable	Yes (Indoor)

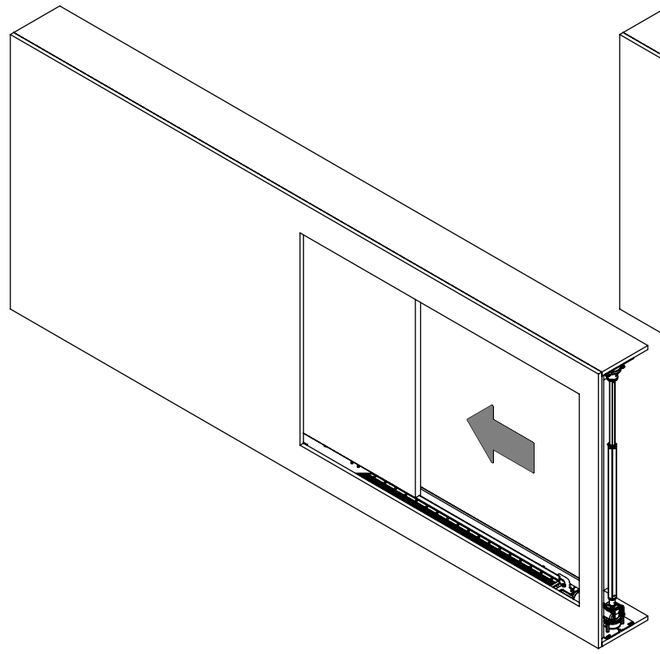
1. Panel Closed



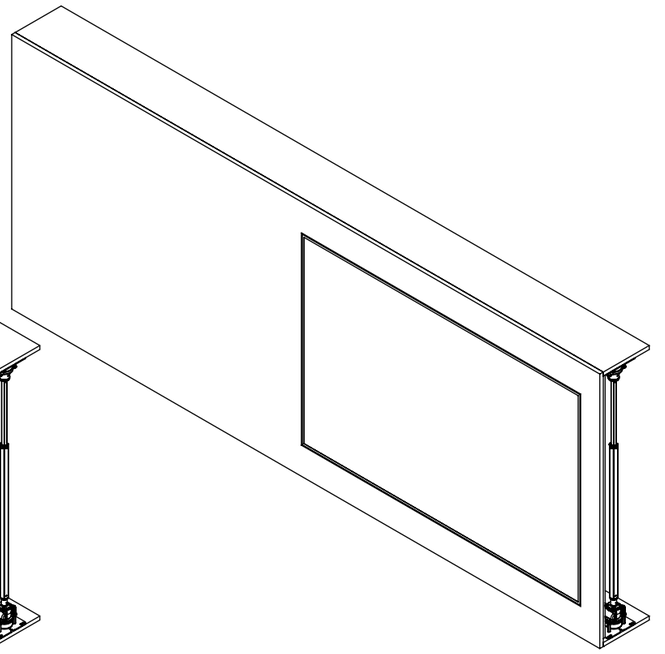
2. Panel Retracts



3. Panel Slides



4. Screen Advances



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

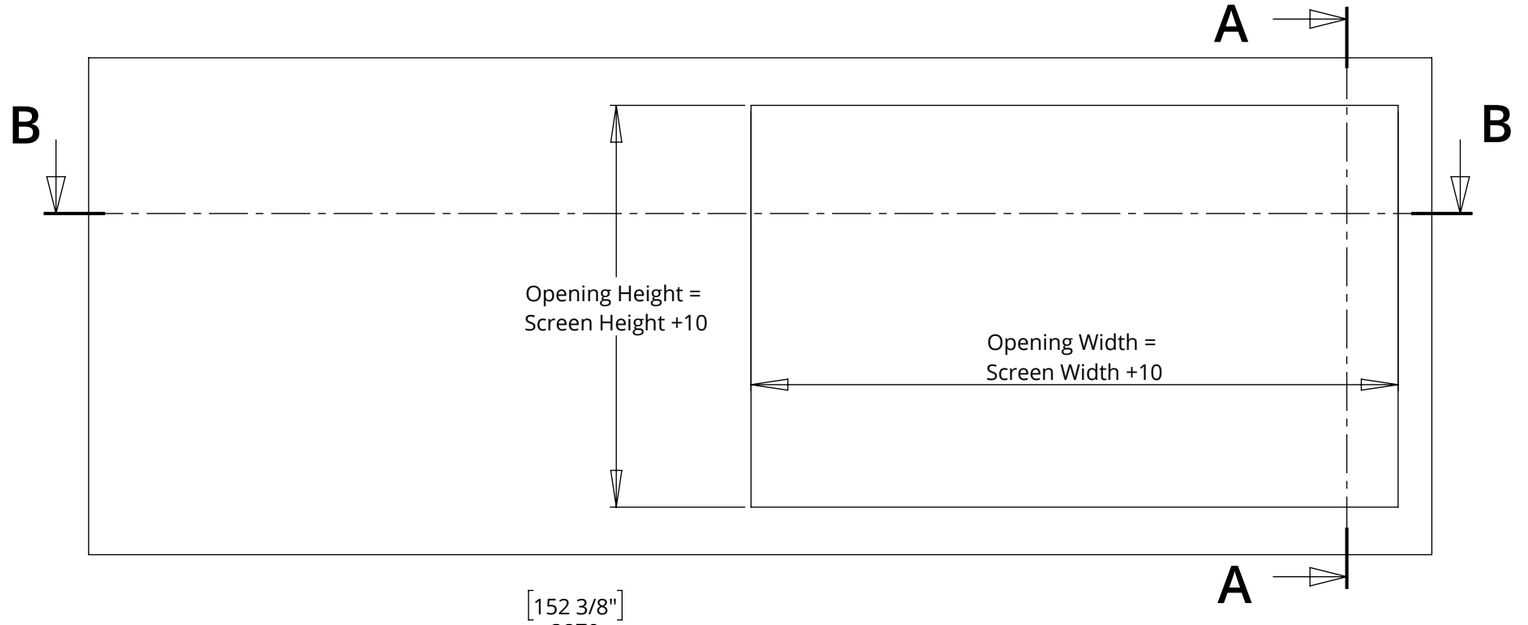
TECHNICAL SHEET
ISSUE 003
SHEET 3

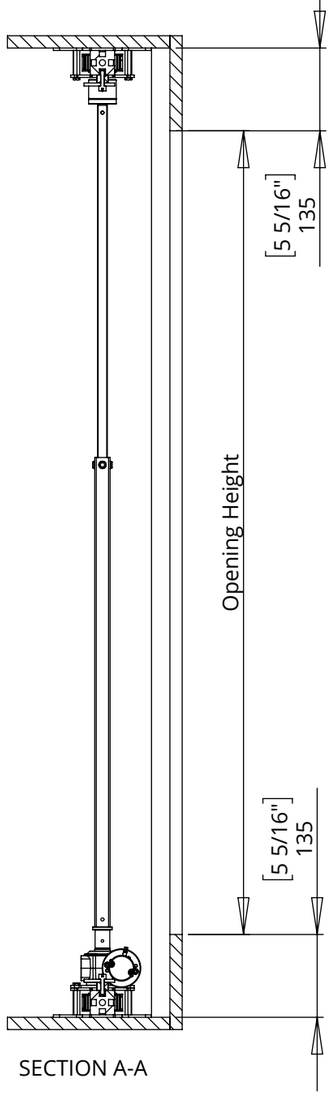
SPS-HZ-8
SLIDING PANEL MECHANISM - HORIZONTAL

CABINET DIMENSIONS - WIDTH AND HEIGHT

Screen Width	Install Width
1851 [72 7/8"] → 2100 [82 11/16"]	(2 x Screen Width) + 190

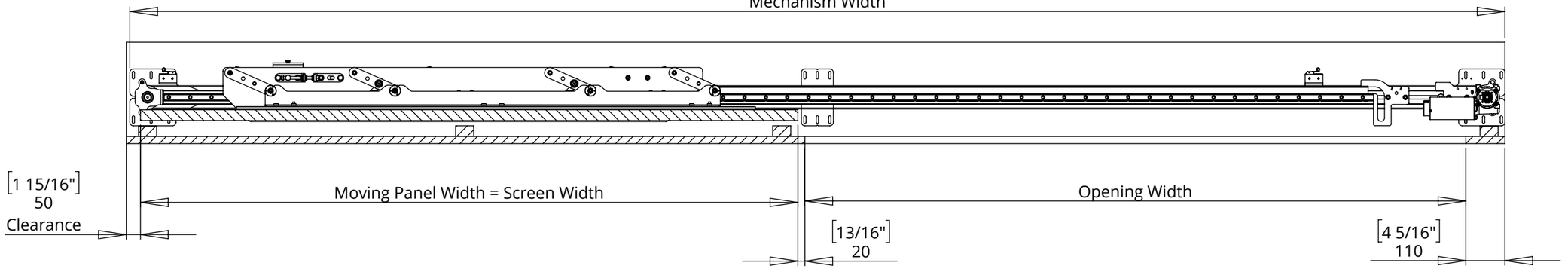
Screen Height	Install Height
1000 [39 3/8"] → 1300 [51 3/16"]	Screen Height + 280



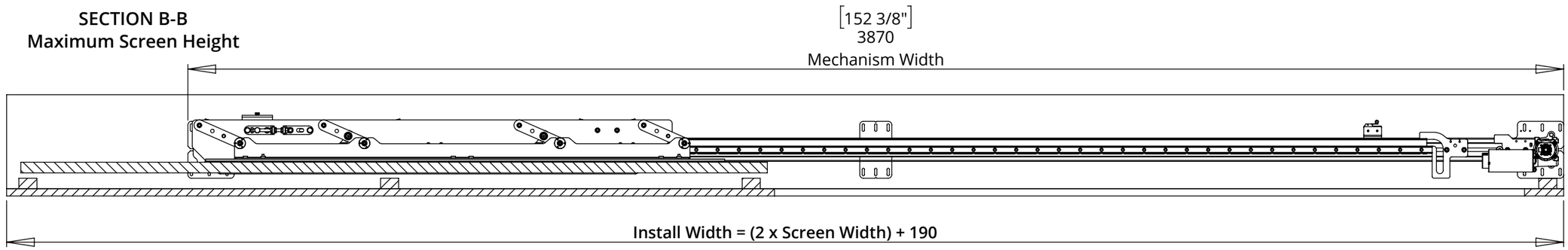


SECTION A-A

SECTION B-B
Minimum Screen Height



SECTION B-B
Maximum Screen Height



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

TECHNICAL SHEET
ISSUE 003
SHEET 4

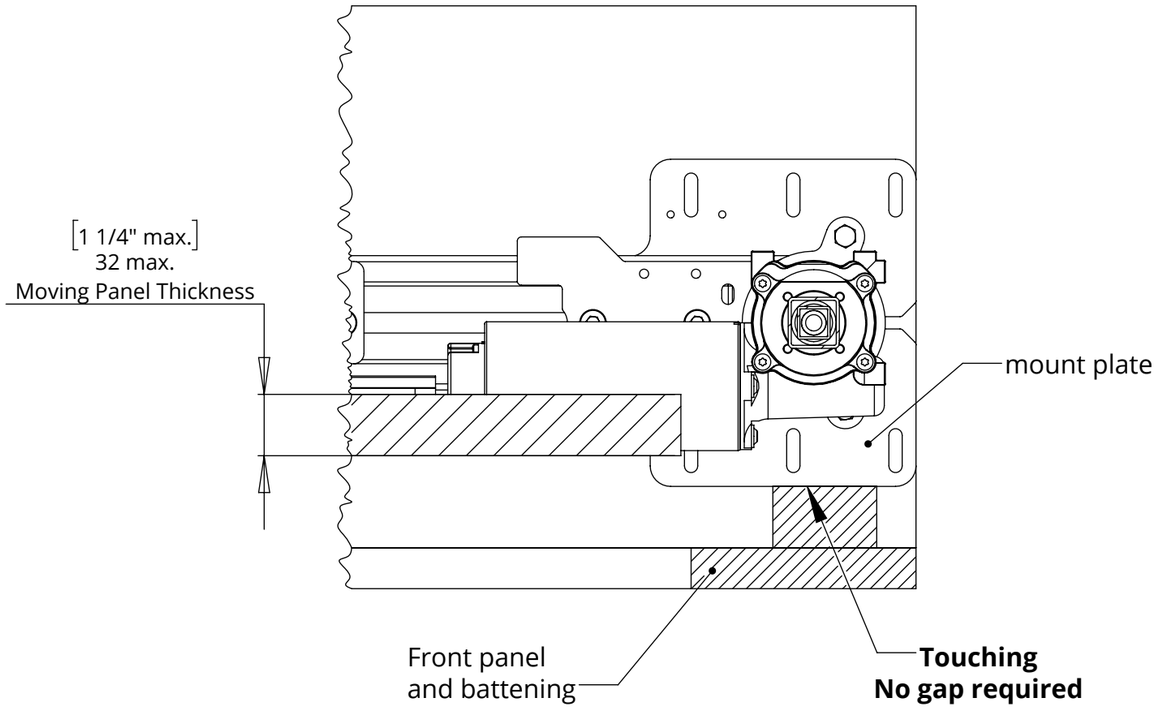
SPS-HZ-8
SLIDING PANEL MECHANISM - HORIZONTAL

MECHANISM POSITIONING

Moving Panels less than 32mm [1 1/4] thick

If the moving panel is up to 32mm [1 1/4"] thick then mount the mechanism flush to the inside of the front panel as shown.

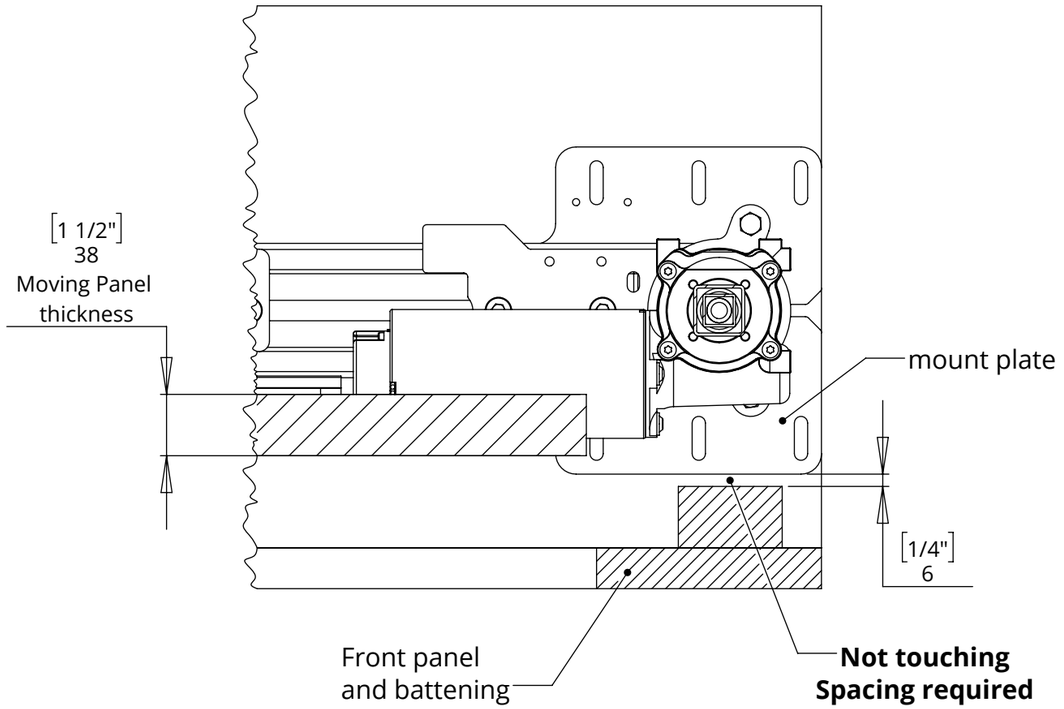
If the front panel and batten has to be more than 20mm thicker than the moving panel, the moving panel needs to be packed out in order to keep this difference 20mm. This total thickness of the panel and the packer needs to be used as the new moving panel thickness.



Moving Panels greater than 32mm [1 1/4] thick

For panels thicker that 32mm [1 1/4"] move the mechanism back by the increase in thickness.

For example: a 38mm [1 1/2"] thick moving panel needs the mechanism mounted 6mm [1/4"] away from the inside of the front panel (and battens).



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

SPS-HZ-8
SLIDING PANEL MECHANISM - HORIZONTAL

CABINET DIMENSIONS - DEPTH

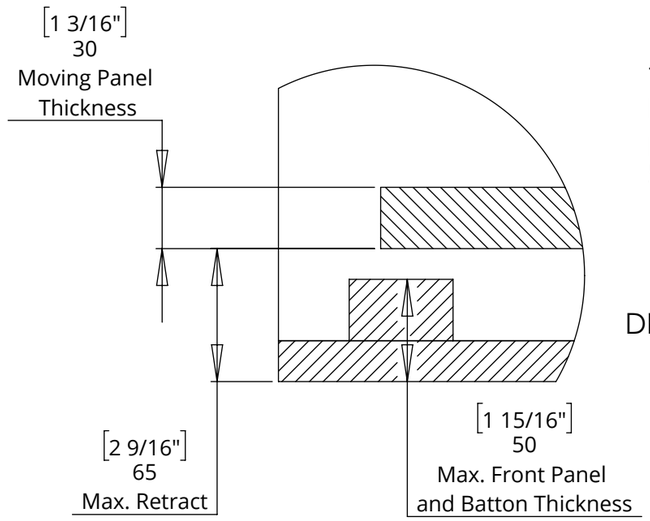
The minimum depth 235mm [9 1/4"] allows for a maximum screen depth of 60mm [2 3/8"].

Cabinet depth needs to be increased if:

- **Moving panel depth is greater than 32mm [1 1/4"].**
- **Screen depth is greater than 60mm [2 3/8"].**

If the Moving panel thickness is greater than 32mm [1 1/4"], the internal cabinet depth will need to be increased by the difference i.e. a 52mm [2 1/16"] thick panel requires the cabinet depth to be increased by 20mm to 255mm [10 1/16"].

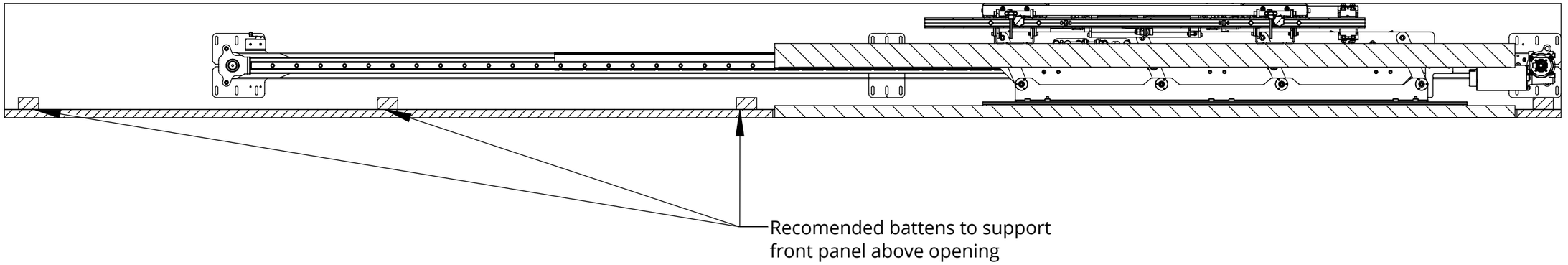
If the screen thickness is greater than 60mm [2 3/8"], the internal cabinet depth will need to be increased i.e. a 100mm [3 15/16"] thick screen requires the cabinet depth to be increased by 40mm to 275mm [10 13/16"].



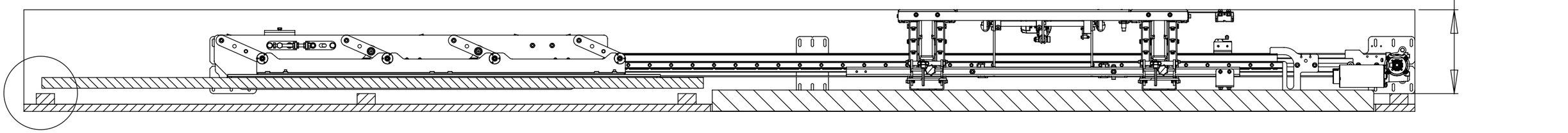
DETAIL D

The moving panel can retract up to 65mm [2 9/16"] before rising. For this reason it is advised the front panel work and support battens are no more than 50mm [1 15/16"] thick to give 15mm [9/16"] clearance.

Screen - IN



Screen - OUT



D

SPS-HZ-8
SLIDING PANEL MECHANISM - HORIZONTAL

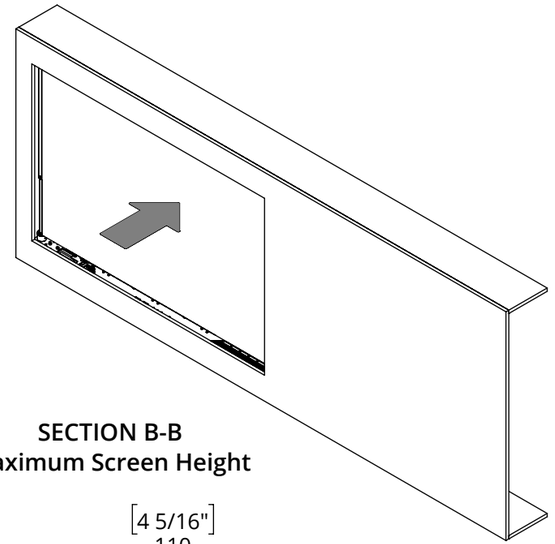
CABINET DETAILS - RIGHT SLIDE

Screen Width	Install Width
1851 [72 7/8"] → 2100 [82 11/16"]	(2 x Screen Width) + 190

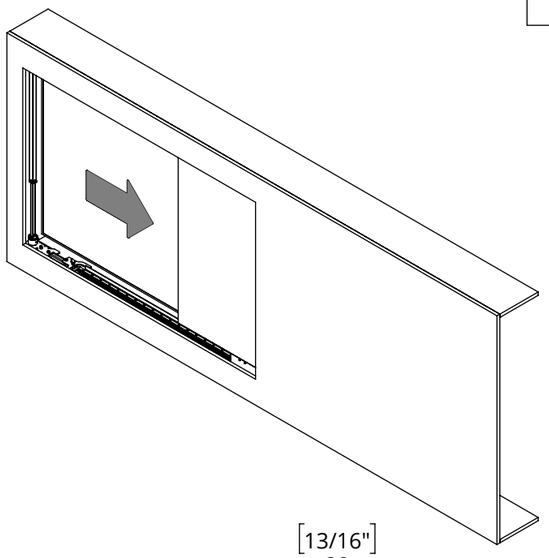
Screen Height	Install Height
1000 [39 3/8"] → 1300 [51 3/16"]	Screen Height + 280

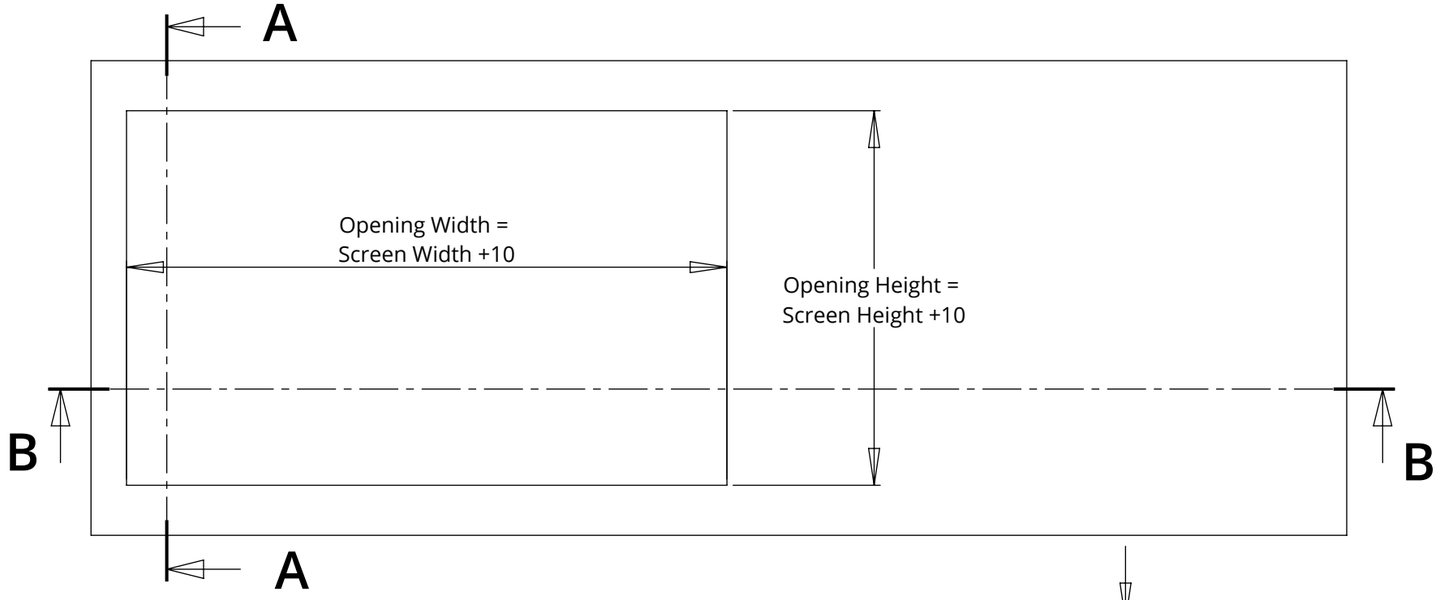
The SPS-HZ can be inverted so the panel slides right instead. The mechanism used is the same as in the original orientation, the mechanism is just rotated through 180˚.

1. Panel Retracts

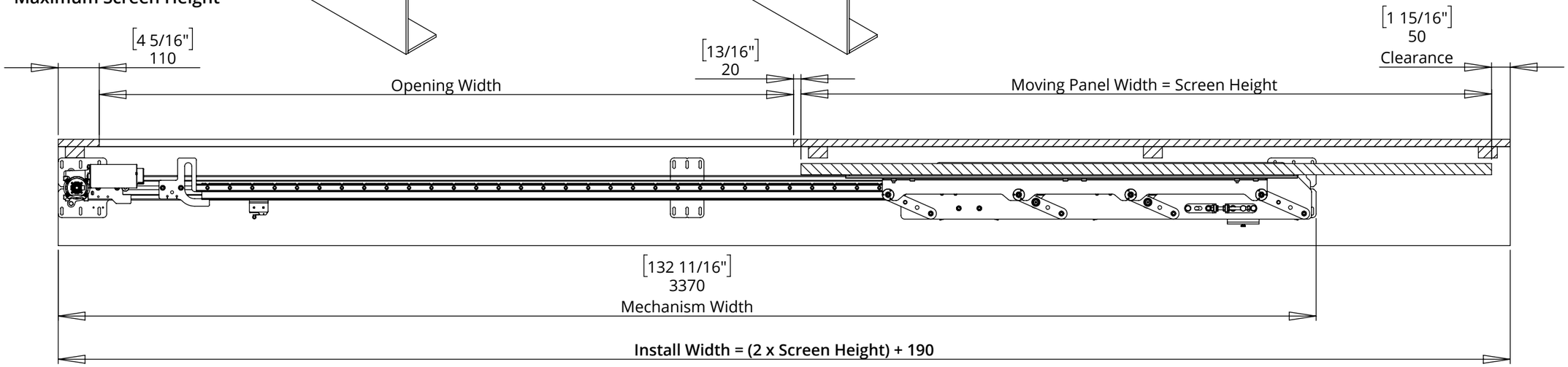


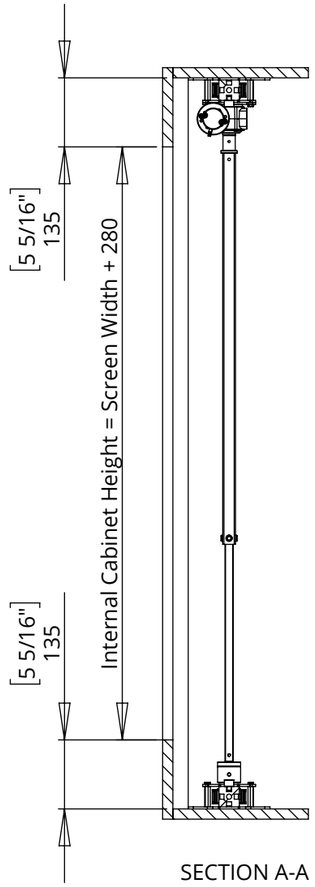
2. Panel Slides Right





SECTION B-B
Maximum Screen Height





SECTION A-A

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

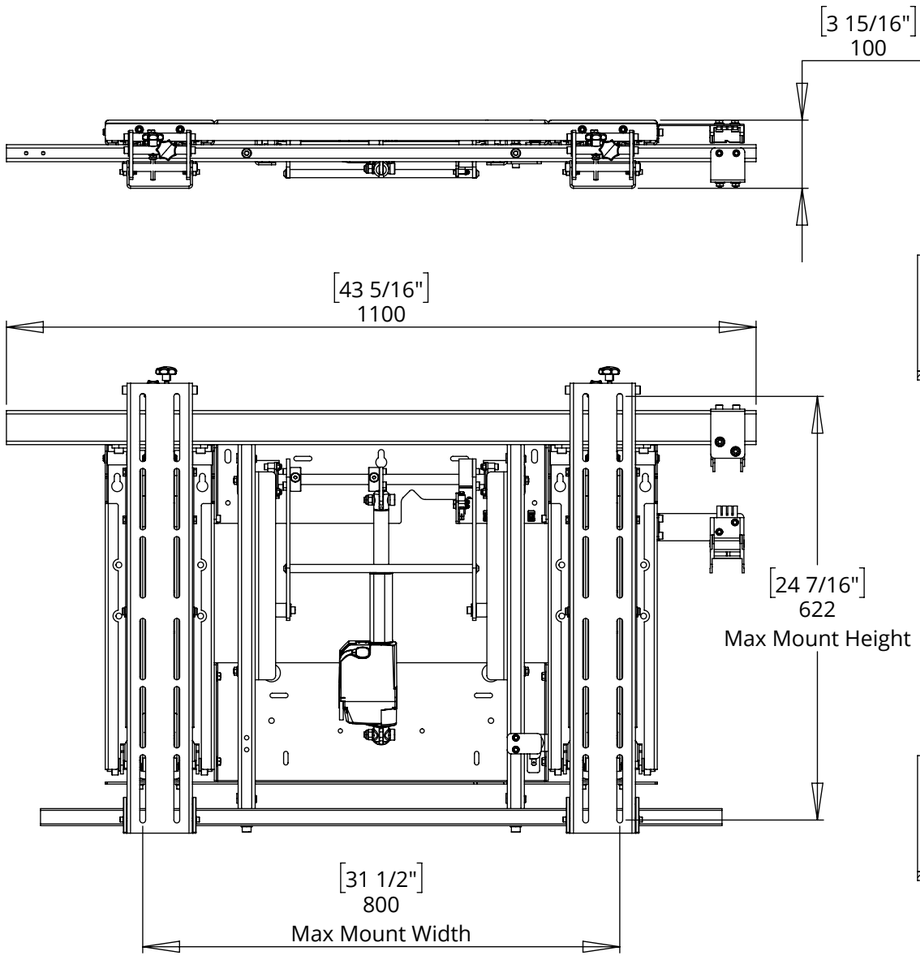
TECHNICAL SHEET
ISSUE 003
SHEET 7

SPS-HZ-8
SLIDING PANEL MECHANISM - HORIZONTAL

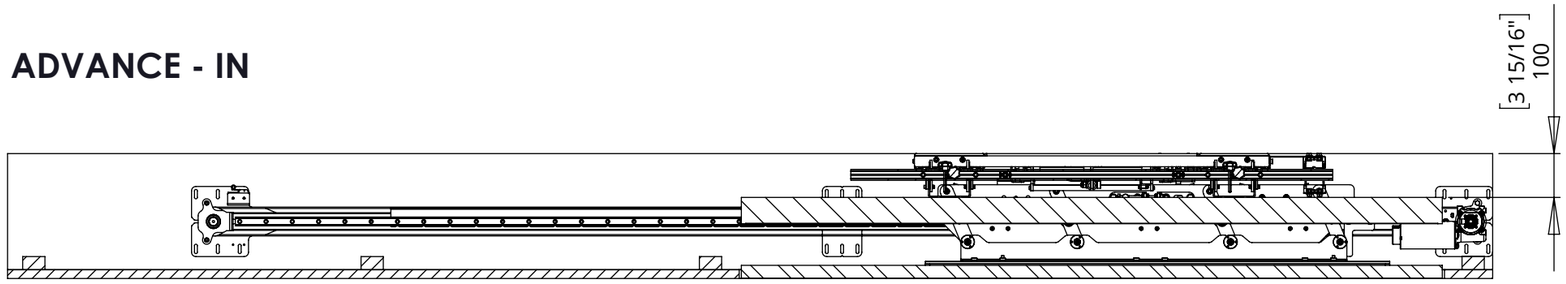
AB - ADVANCE BRACKET

The Advance Bracket has a service mode that can be used during installation and servicing of the mechanism and the screen.

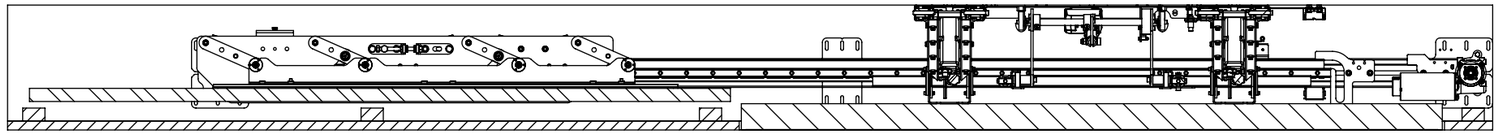
This allows the screen to be pulled out from the wall to provide access to rear of the screen and inside the mechanism during fitting.



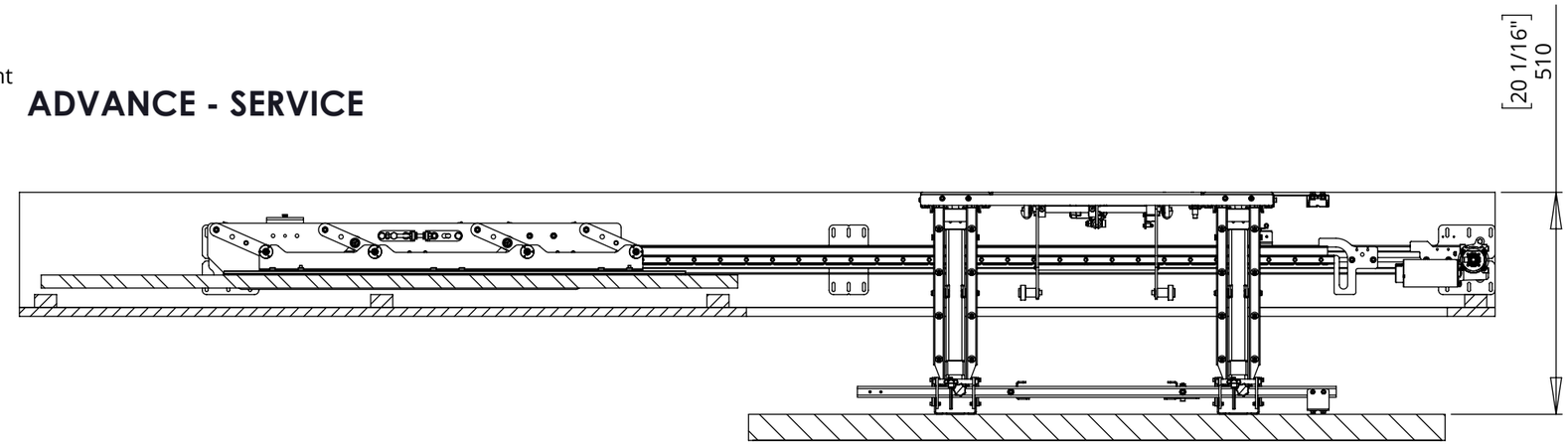
ADVANCE - IN



ADVANCE - OUT



ADVANCE - SERVICE



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

TECHNICAL SHEET
ISSUE 003
SHEET 8

SPS-HZ-8
SLIDING PANEL MECHANISM - HORIZONTAL

CABINET DETAILING & ACCESS

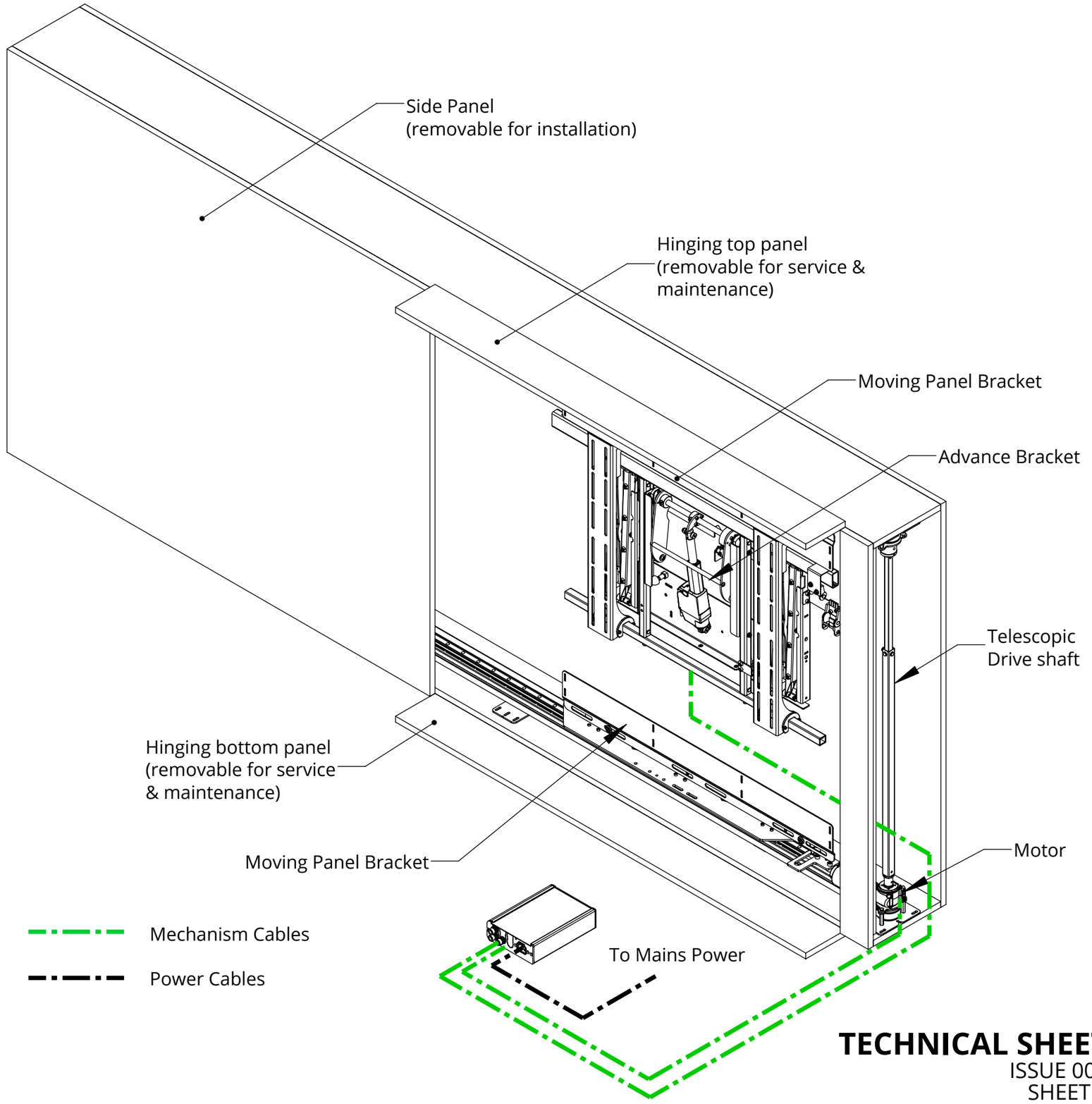
The SPS mechanism requires certain access for installation and servicing.

For installation, the top panel must be removable to provide access to all the fixing points.

For servicing, the best option is to have the panels to the left and right of the opening on hinges. This will provide enough access to everything that will need to be serviced and maintained. Alternatively, the side panels could be made to be easily removable on suitable catches / fixings.

he Moving Panel Mechanism mounts to the side walls of the cabinet, and the Advance Bracket mounts to the back of the cabinet. It is essential that these surfaces can take the weight of the mechanism, moving panel and screen.

The mechanism is supplied with a control box on a 3m [10'] flying lead. This must be fitted in an easily accessible location. This will be the first item to be checked if there is an issue with the mechanism. Mains power and control connections (IR sensor / receiver, contact closure, RS232) are all made at the control box.



Control box wiring loom must be routed to the bottom right corner of the cabinet.

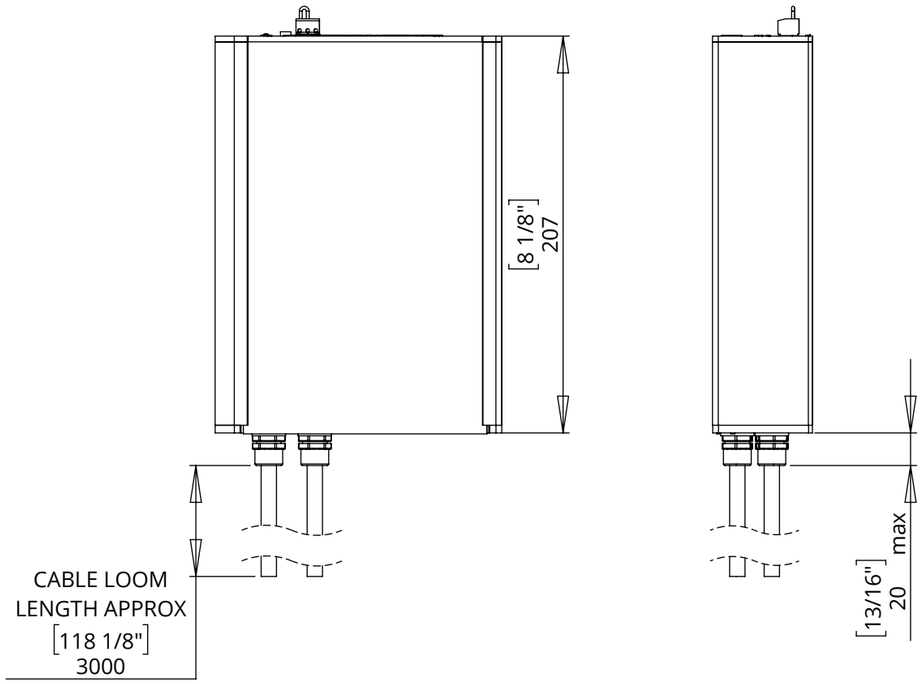
Mechanism Cables

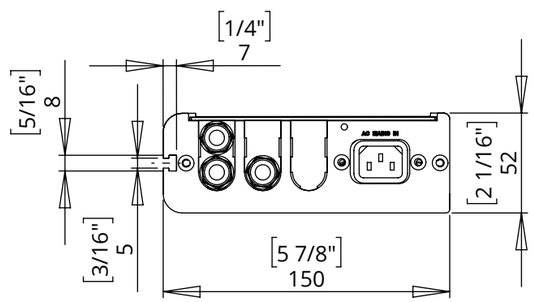
Power Cables

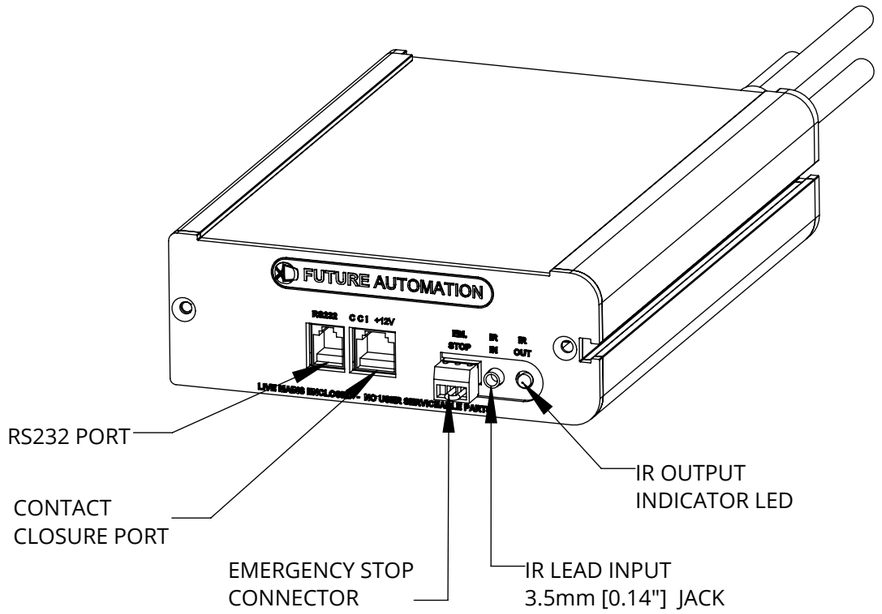
UK +44 (0) 1438 833577 **US** +1 (603) 742 9181
www.**FUTUREAUTOMATION**.NET

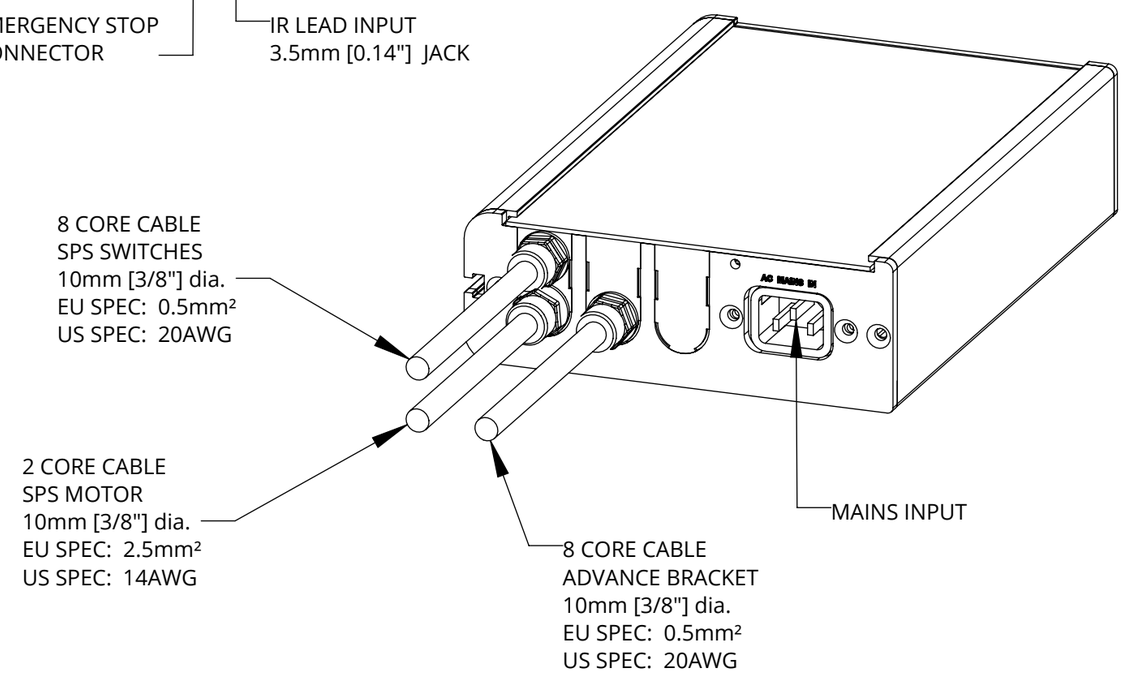
SPS-HZ-8
SLIDING PANEL MECHANISM - HORIZONTAL

CONTROL BOX









NOTES

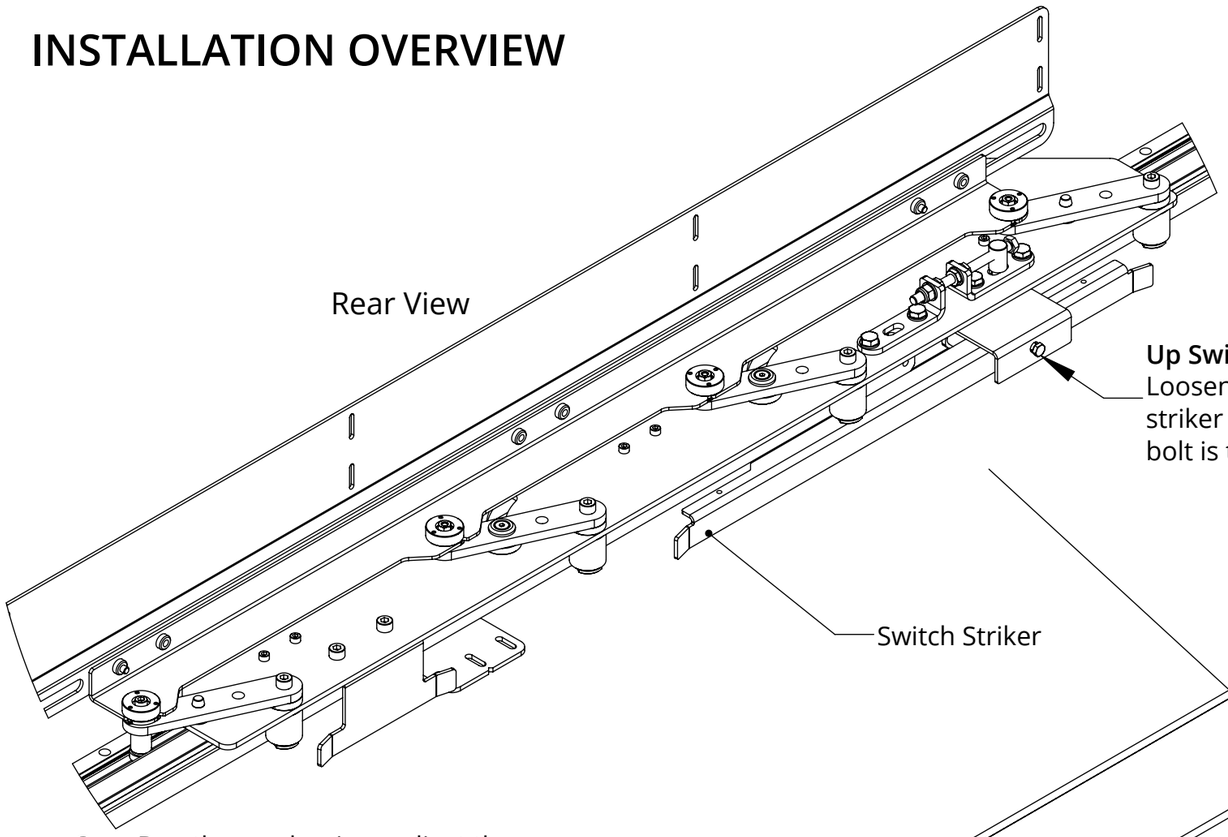
- POWER SUPPLY UNIT (PSU) WILL ALLOW 110V OR 240V AC INPUT. THE SAME PSU IS USED FOR EU OR US MAINS SUPPLIES.
- OTHER THAN CONTROL CABLES, ALL CABLES TERMINATE AT CONTROL BOARD VIA STANDARD PHOENIX CONNECTORS.
- CABLE LOOM LENGTH SUPPLIED AT APPROX. 3m [118"]. LOOM CAN BE EXTENDED UP TO MAXIMUM OF APPROX. 10m [400"].
- MINIMUM CABLE BEND RADIUS 25mm [1"].

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

TECHNICAL SHEET
ISSUE 003
SHEET 10

SPS-HZ-8
SLIDING PANEL MECHANISM - HORIZONTAL

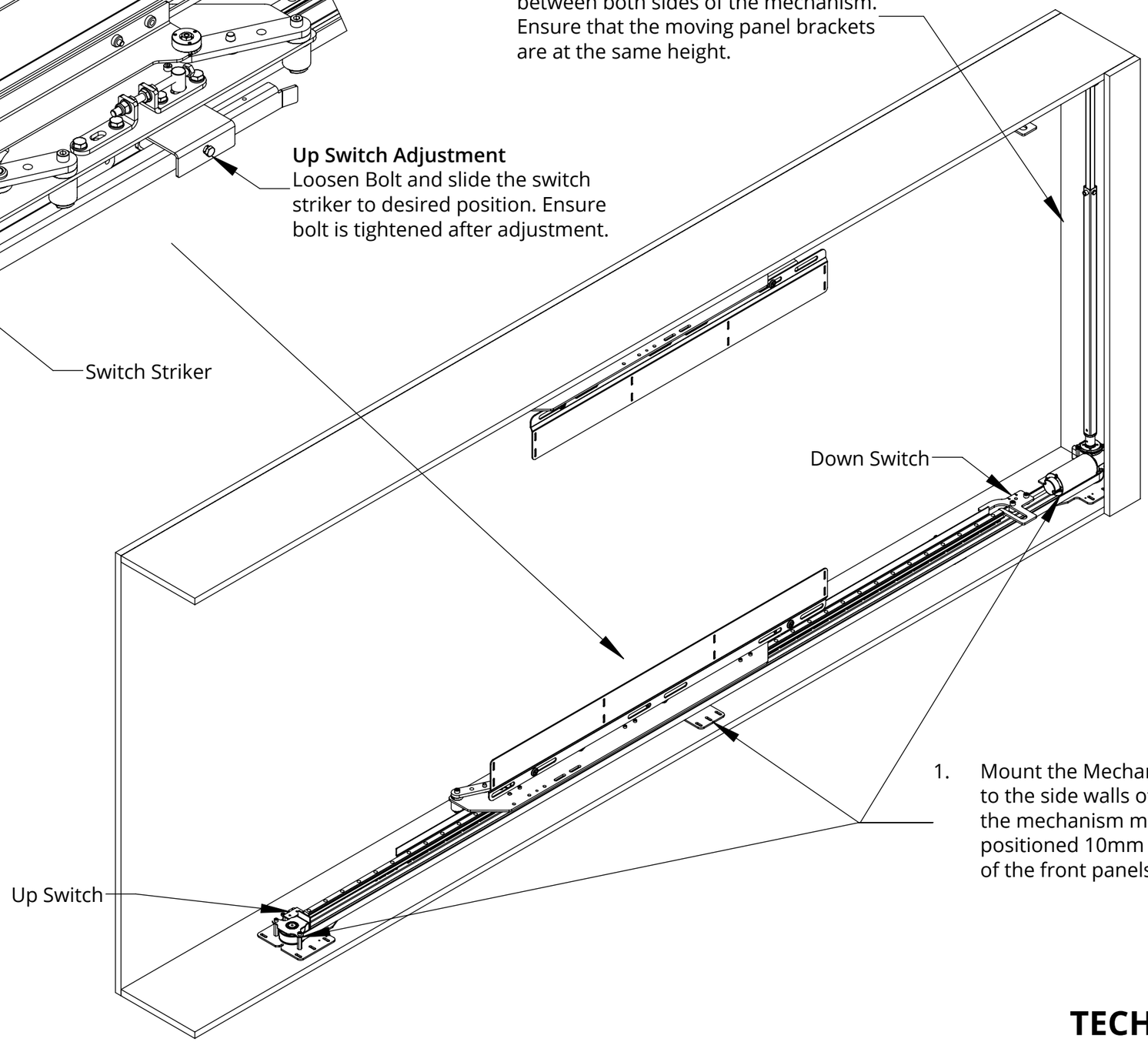
INSTALLATION OVERVIEW



Up Switch Adjustment
Loosen Bolt and slide the switch striker to desired position. Ensure bolt is tightened after adjustment.

3. Run the mechanism, adjust the up switch so that the carriages move the height of you panel + 25mm [1"].

2. Install the telescopic drive shaft between both sides of the mechanism. Ensure that the moving panel brackets are at the same height.



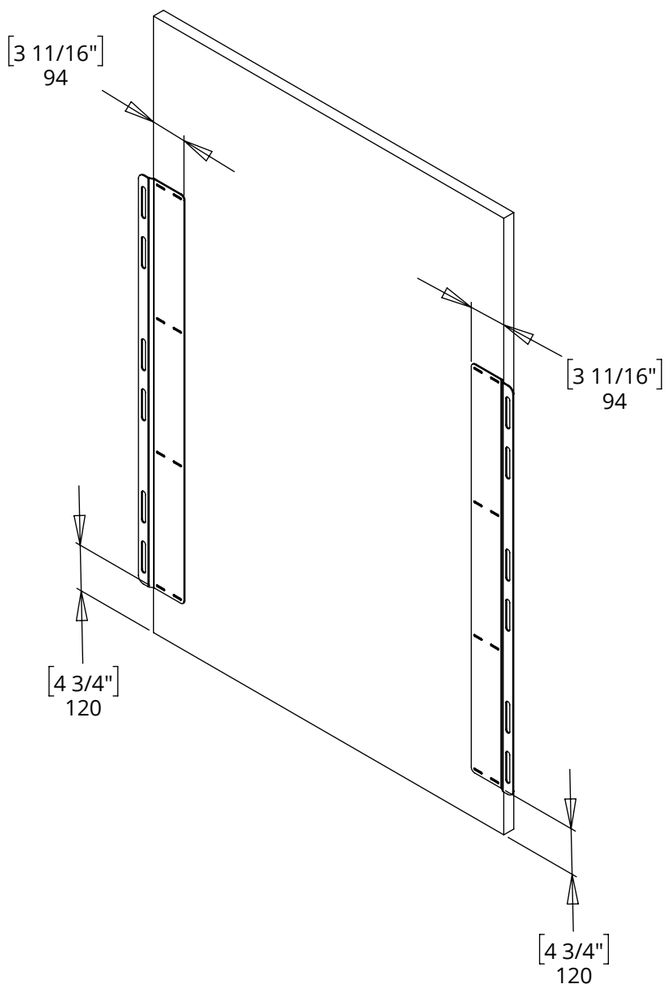
1. Mount the Mechanism side channels to the side walls of the cabinet. Ensure the mechanism mount brackets are positioned 10mm back from the edge of the front panels.

SPS-HZ-8
SLIDING PANEL MECHANISM - HORIZONTAL

INSTALLATION OVERVIEW

4. Mount the Panel Brackets to the rear of the moving panel as dimensioned below.

Rear View of moving panel



5. Mount the moving panel back onto the mechanism, use the slots in the mount brackets to align the panel and get it into the desired position.

