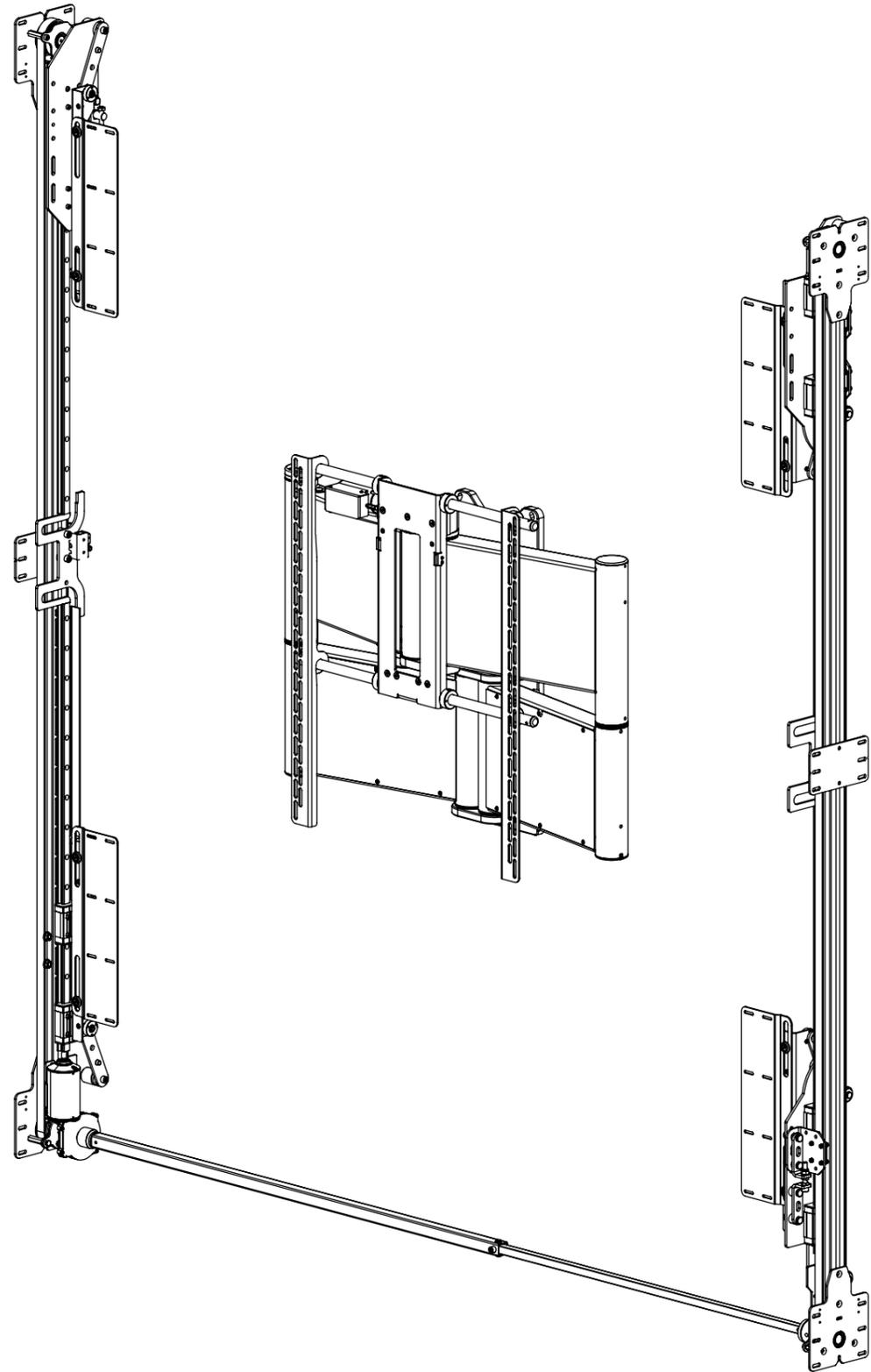


# SPS-VS-6 - QA2-60

## SLIDING PANEL MECHANISM - VERTICAL SPLIT



future automation



# SPS-VS-6 - QA2-60

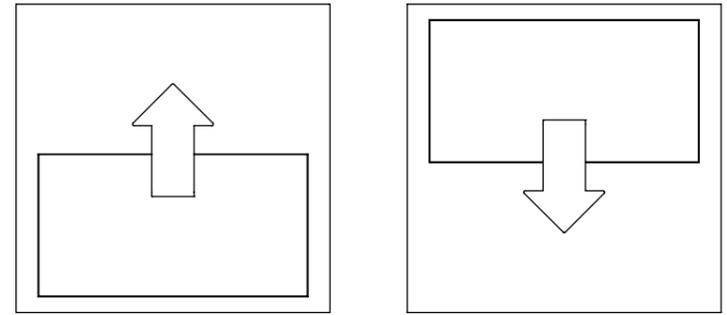
## SLIDING PANEL MECHANISM - VERTICAL SPLIT



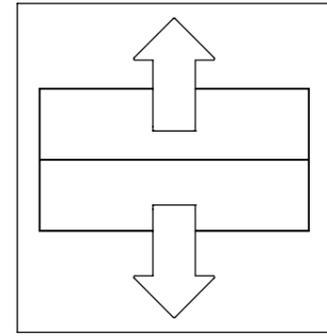
| MODEL           | DESCRIPTION                              | MIN SCREEN HEIGHT     | MAX SCREEN HEIGHT    |
|-----------------|--|-----------------------|----------------------|
| SPS-V-5         | Vertical - Single Panel                  | 700 [27 9/16"]        | 800 [31 1/2"]        |
| SPS-V-6         | 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"]        |
| <b>SPS-VS-6</b> | <b>Vertical - Double Splitting Panel</b> | <b>801 [31 9/16"]</b> | <b>950 [37 3/8"]</b> |
| 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"] |

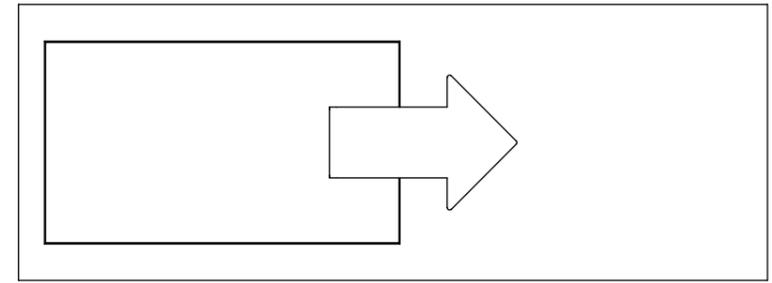
**SPS-V - VERTICAL - SINGLE PANEL**



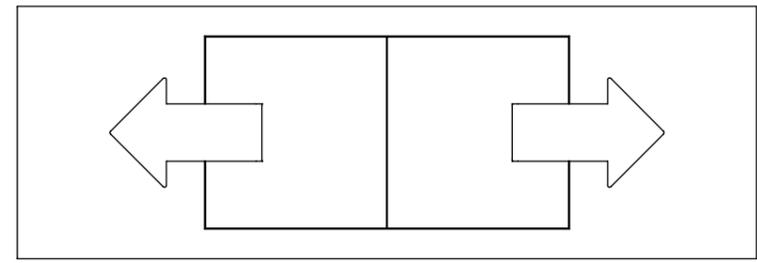
**SPS-VS - VERTICAL SPLIT - DOUBLE PANEL**



**SPS-HZ - HORIZONTAL - SINGLE PANEL**



**SPS-HZS - HORIZONTAL SPLIT- DOUBLE PANEL**



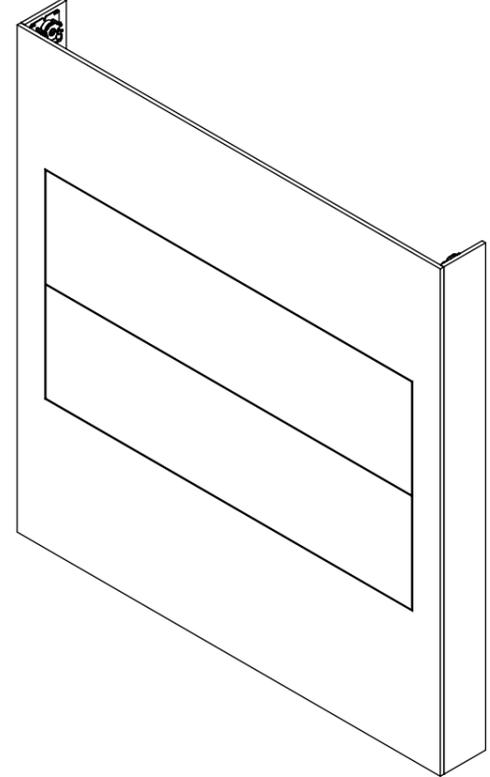
# SPS-VS-6 - QA2-60



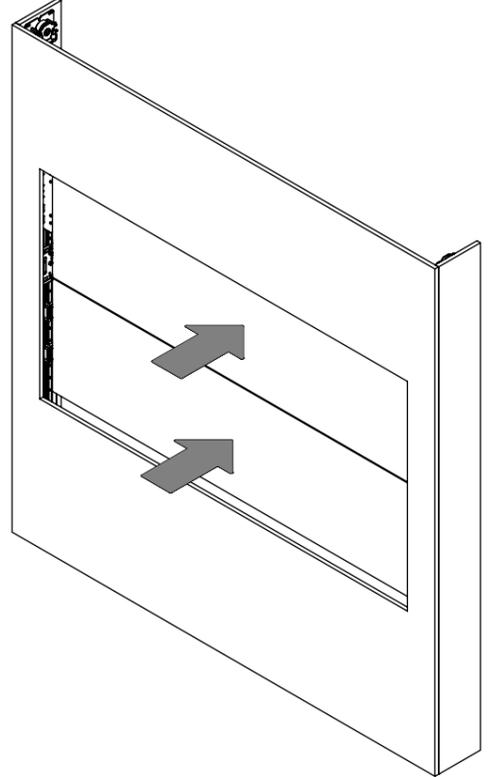
## SLIDING PANEL MECHANISM - VERTICAL SPLIT

| SPECIFICATION                | MEASUREMENTS                            |
|------------------------------|---|
| Minimum Screen Height        | 801 [31 1/2"]                           |
| Maximum Screen Height        | 950 [37 3/8"]                           |
| Minimum Screen Width         | 1400 [55 1/8"]                          |
| Maximum Screen Width         | 1900 [74 13/16"]                        |
| Maximum Moving Panel Weight  | 30Kg (88lbs) per panel                  |
| Maximum Screen Weight        | 80Kg (176lbs)                           |
| 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 400, 300, 200 W x 400, 300, 200 H  |
| Control Options              | IR Remote, Contact Closure              |
| Product Options / Features   | AB pairing option                       |
| Package Contents             | Mechanism, IR remote control, Bolt Pack |
| Marine Suitable              | Yes (Indoor)                            |

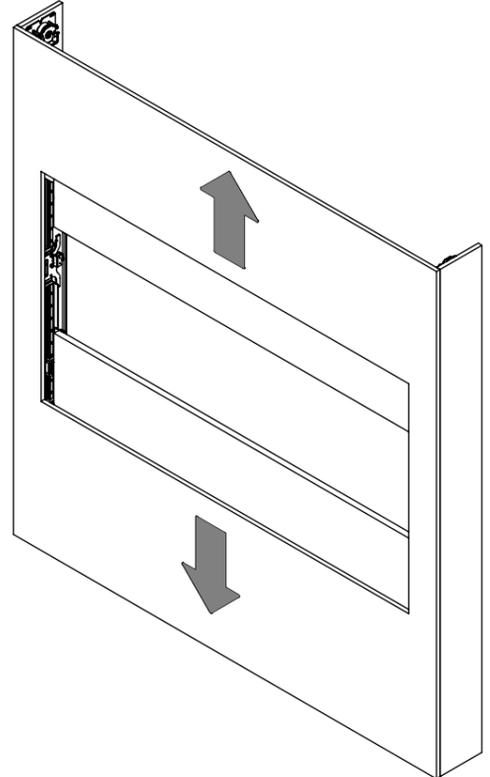
1. Panel Closed



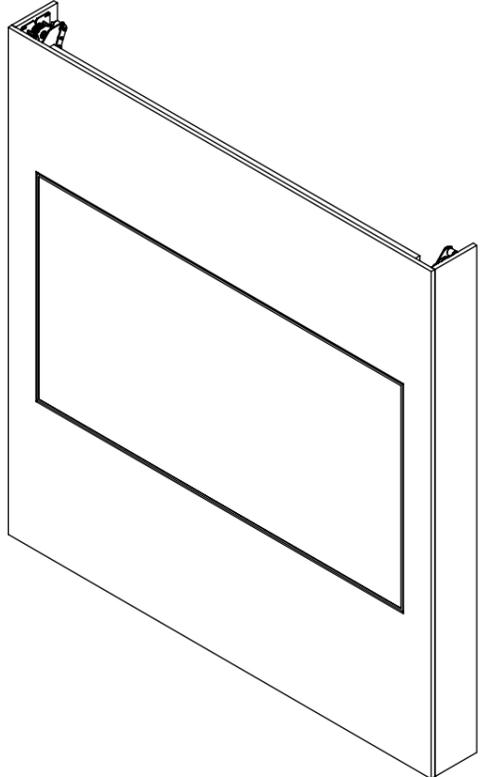
2. Panel Retracts



3. Panel Lifts



4. Screen Advances



# SPS-VS-6 - QA2-60



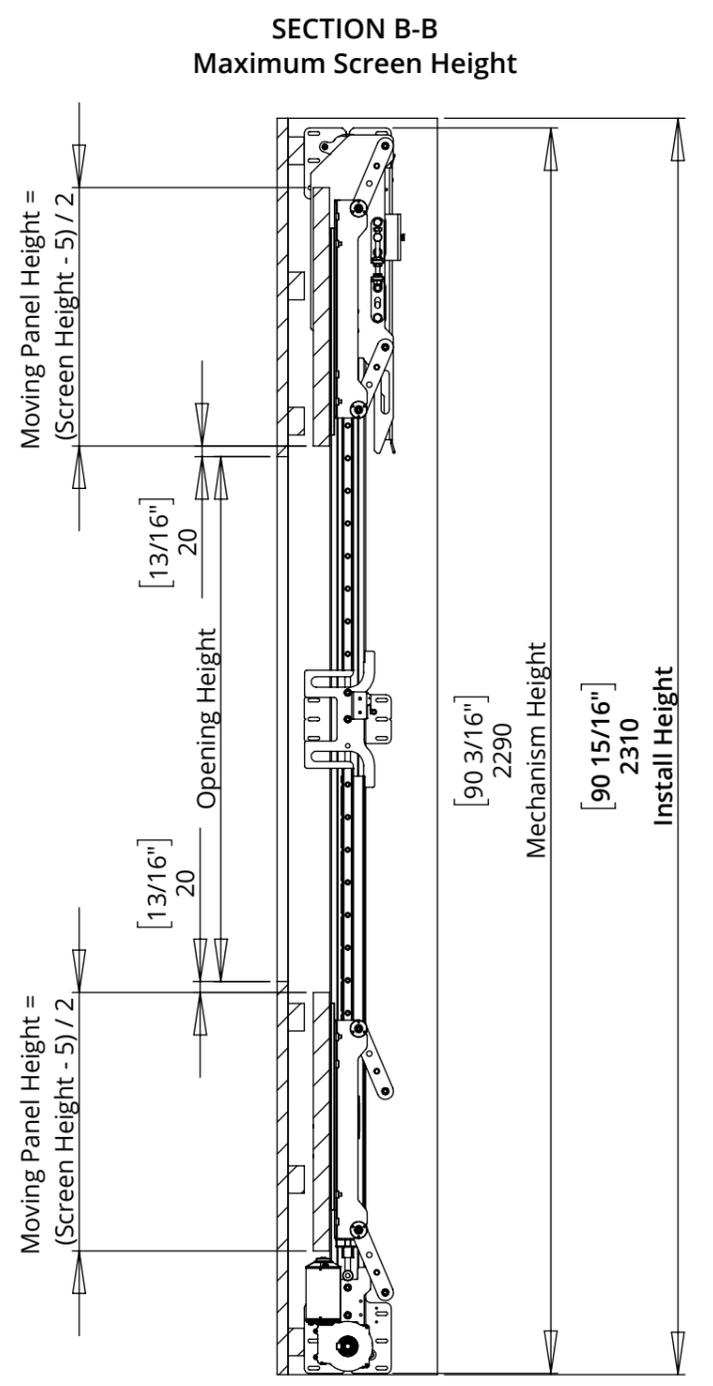
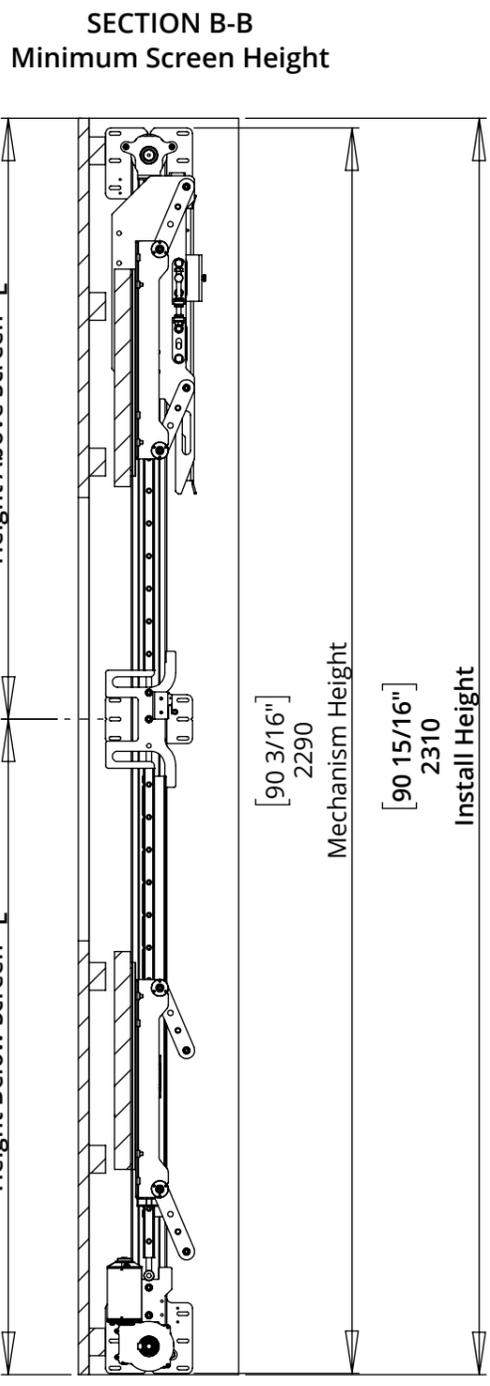
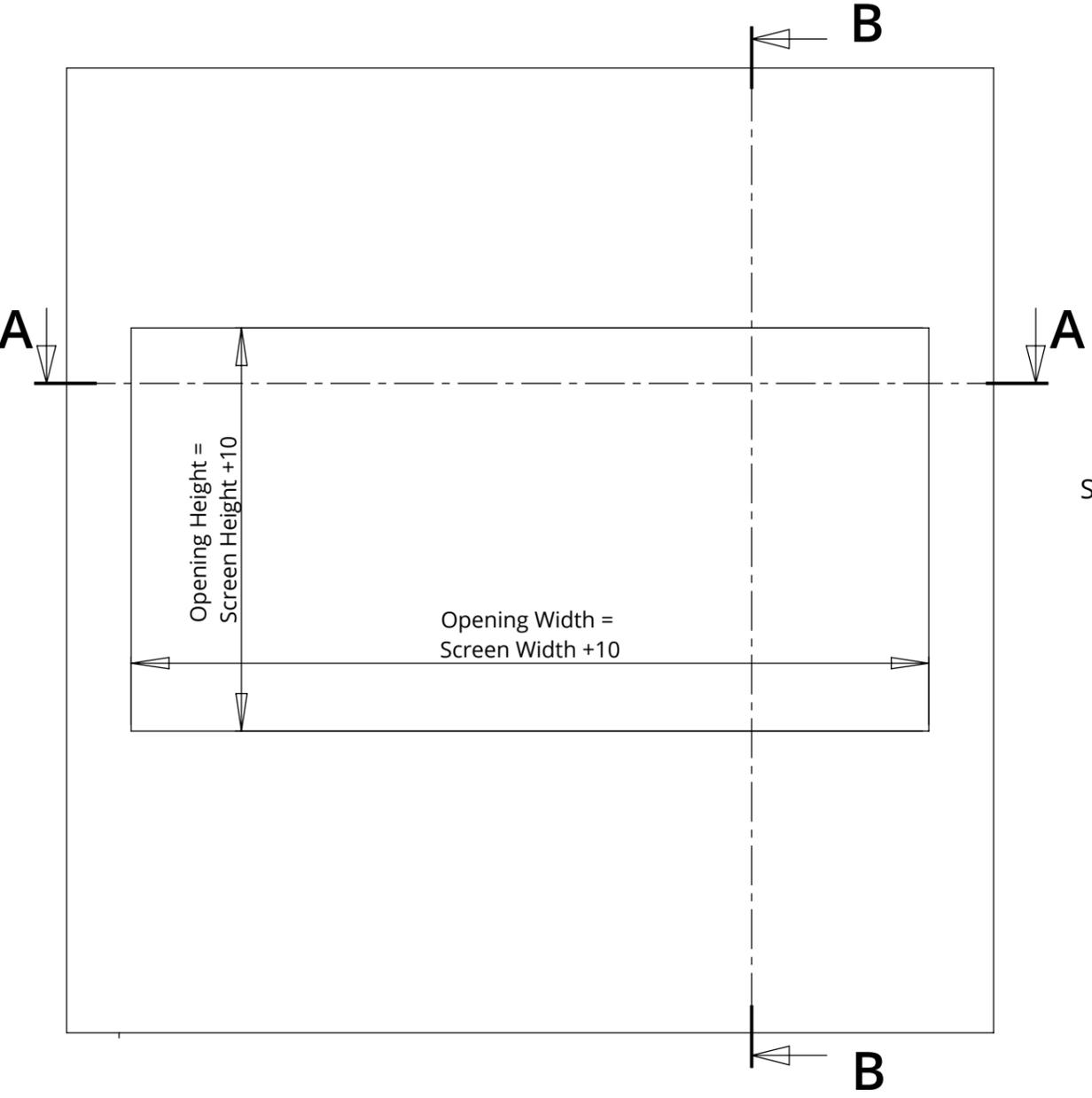
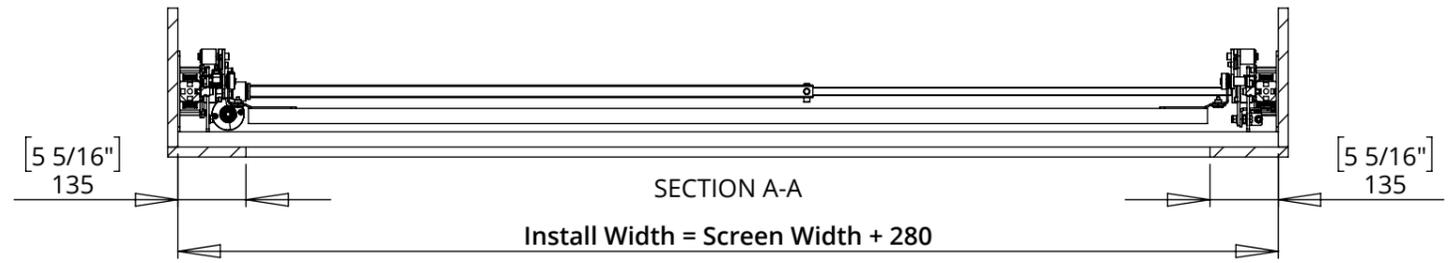
future automation

## SLIDING PANEL MECHANISM - VERTICAL SPLIT

### CABINET DIMENSIONS - WIDTH AND HEIGHT

| Screen Height                       | Install Height      | Height Below Screen Center Line | Height Above Screen Center Line |
|-------------------------------------|---------------------|---------------------------------|---------------------------------|
| [31 1/2"]<br>800 → [37 3/8"]<br>950 | [90 15/16"]<br>2310 | [47 7/16"]<br>1205              | [43 1/2"]<br>1105               |

| Screen Width                            | Install width      |
|---|--------------------|
| [55 1/8"]<br>1400 → [74 13/16"]<br>1900 | Screen Width + 280 |



# SPS-VS-6 - QA2-60

## SLIDING PANEL MECHANISM - VERTICAL SPLIT



### CABINET DIMENSIONS - DEPTH

The minimum depth of 245mm [9 5/8"] allows for a maximum screen depth of 30mm [1 3/16"].

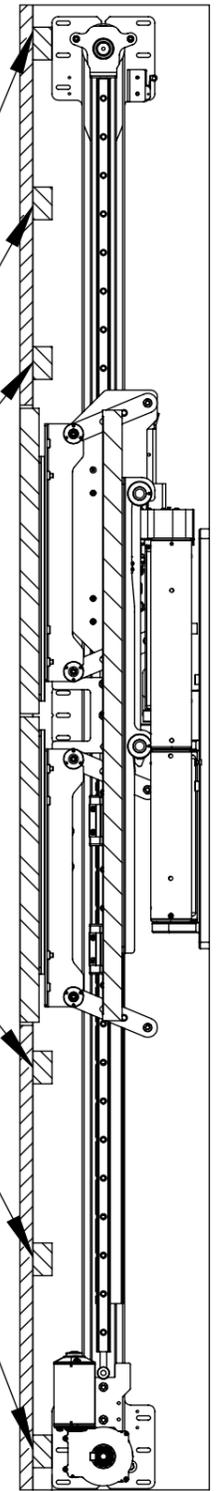
Screens with a greater thickness will need the cabinet depth to increase i.e. a 100mm [3 15/16"] thick screen will require a cabinet of 315mm [12 3/8"].

Screens thinner than 30mm [1 3/16"] must still use the minimum 245mm [9 5/8"] cabinet depth.

Recommended batten to support front panel above opening

Screen - IN

Screen - OUT

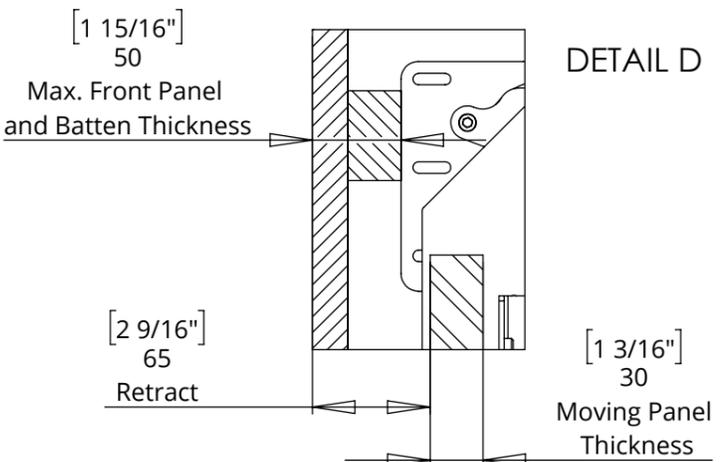
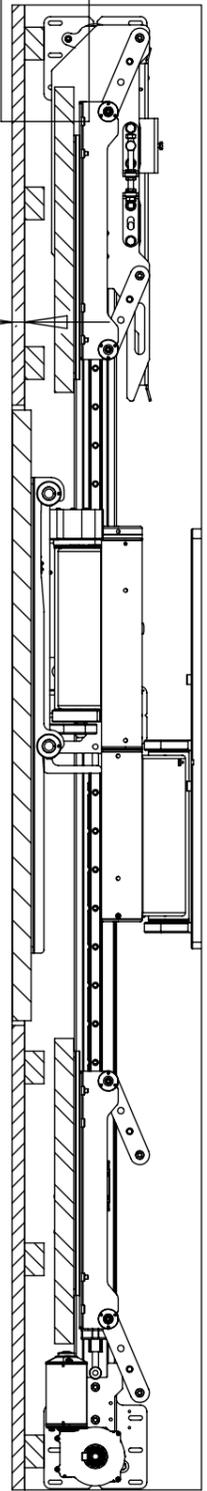


[9 5/8"]  
245

Minimum Internal Cabinet Depth

D

[13/16"]  
20  
Front Panel Thickness



The moving panel retracts back by 65mm [2 9/16"] before splitting. For this reason it is advised the front panel work and support batten is no more than 50mm [1 15/16"] thick to give 15mm [9/16"] clearance.

Thicker panels are possible, but will add to the cabinet depth and require customisation to the mechanism design.

# SPS-VS-6 - QA2-60



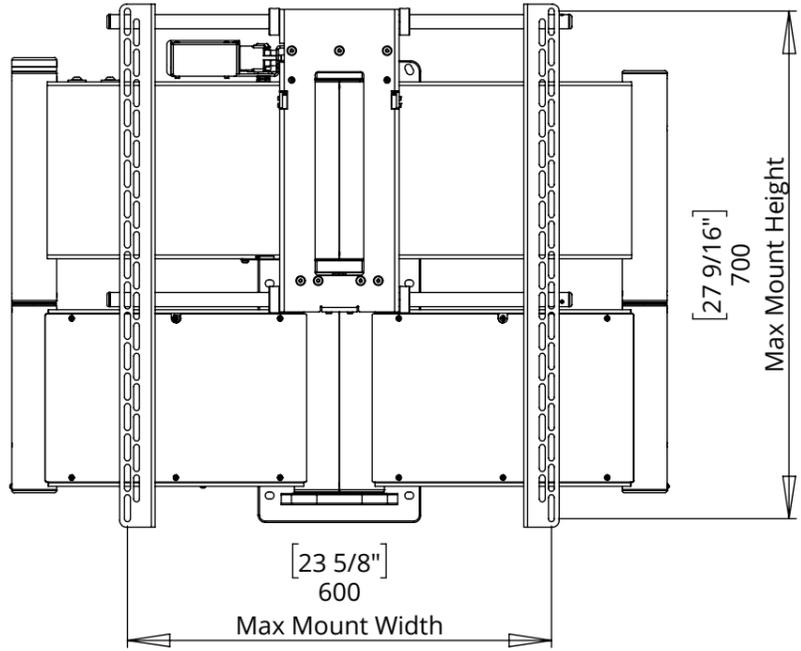
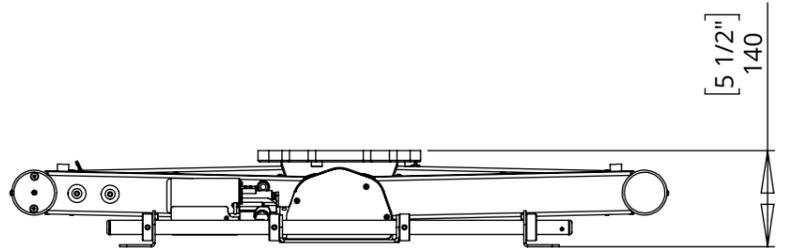
future automation

## SLIDING PANEL MECHANISM - VERTICAL SPLIT

### QA2-60 - QUAD ARM

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

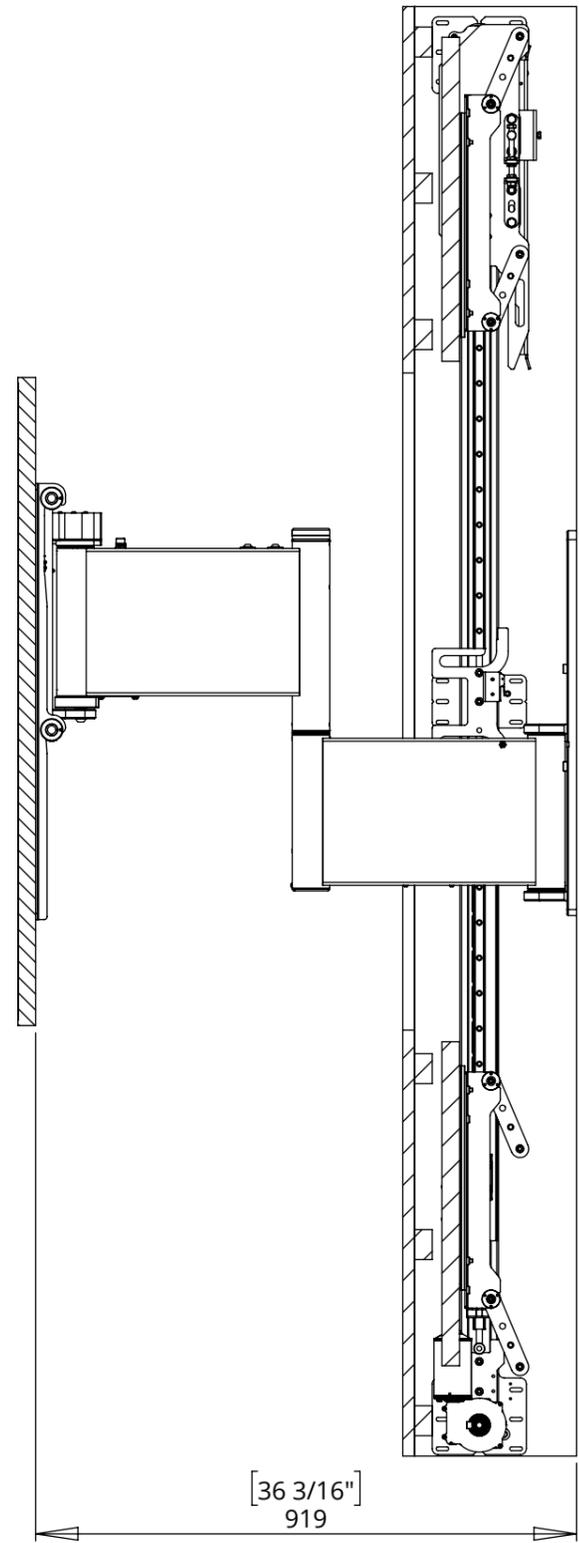
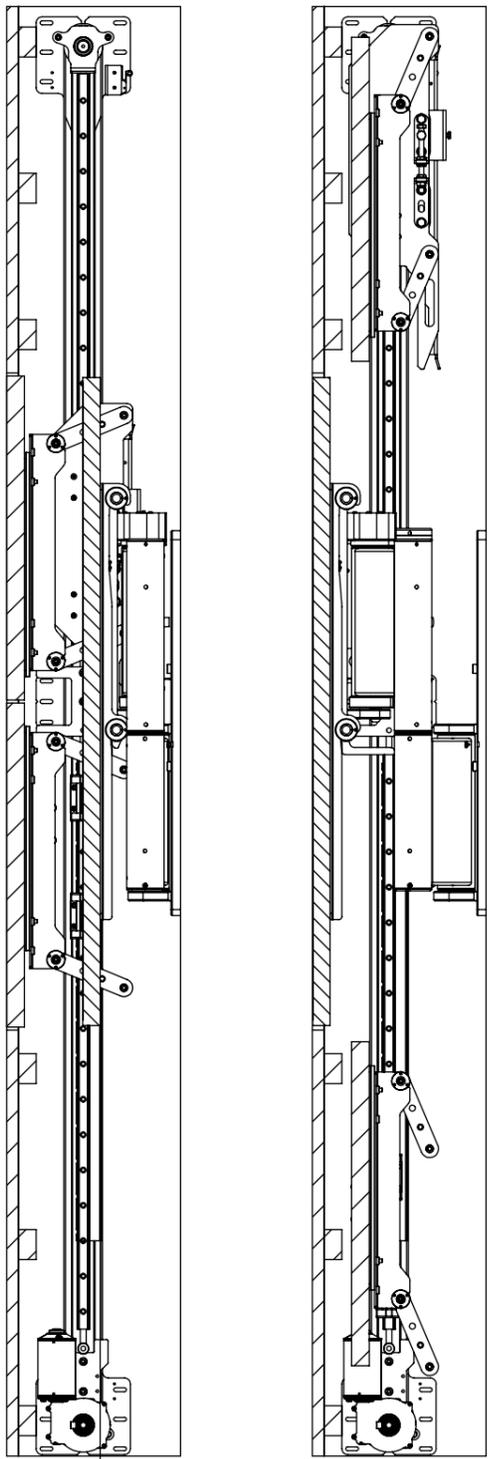
This allows the screen to be advanced out from the wall to provide access to rear of the screen and inside the mechanism during fitting.



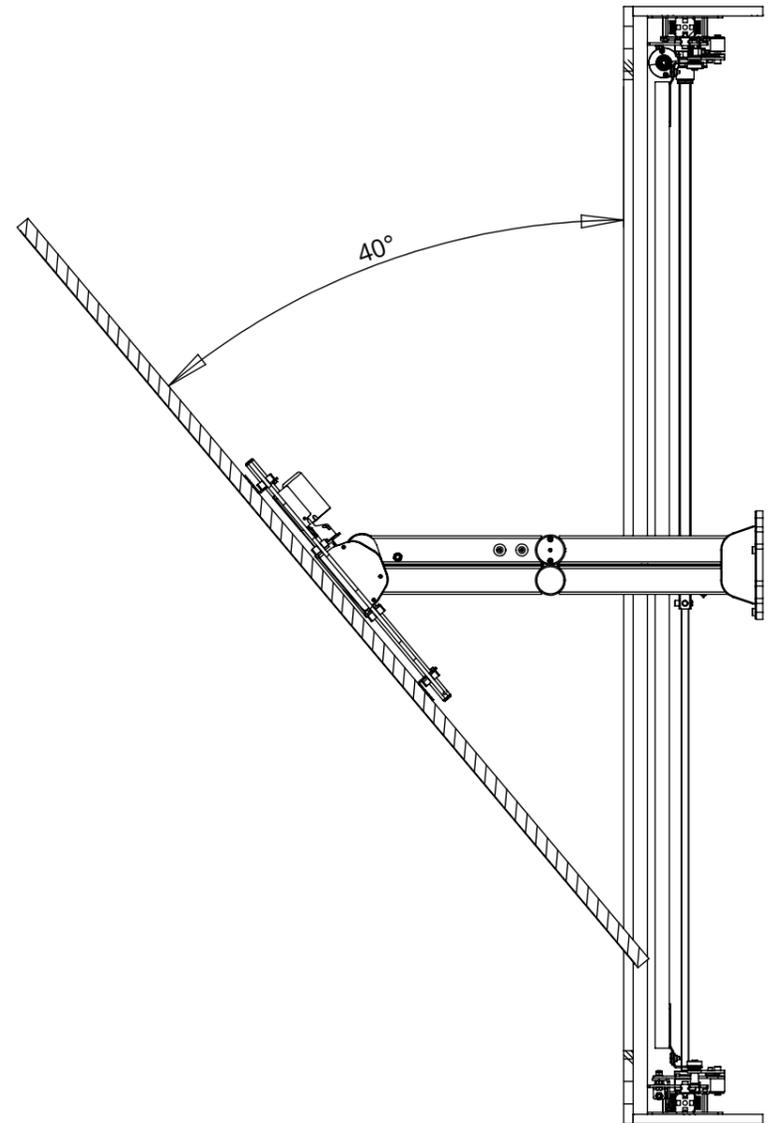
### QA2-60 - IN

### QA2-60 - OUT

### QA2-60 - SERVICE



### QA2-60 - SWIVEL



Maximum QA2-60 swivel is 75°. However depending on the screen and cabinet depth this will need to be reduced to prevent the screen being obscured by the cabinet.

# SPS-VS-6 - QA2-60

## SLIDING PANEL MECHANISM - VERTICAL SPLIT

### CABINET DETAILING & ACCESS

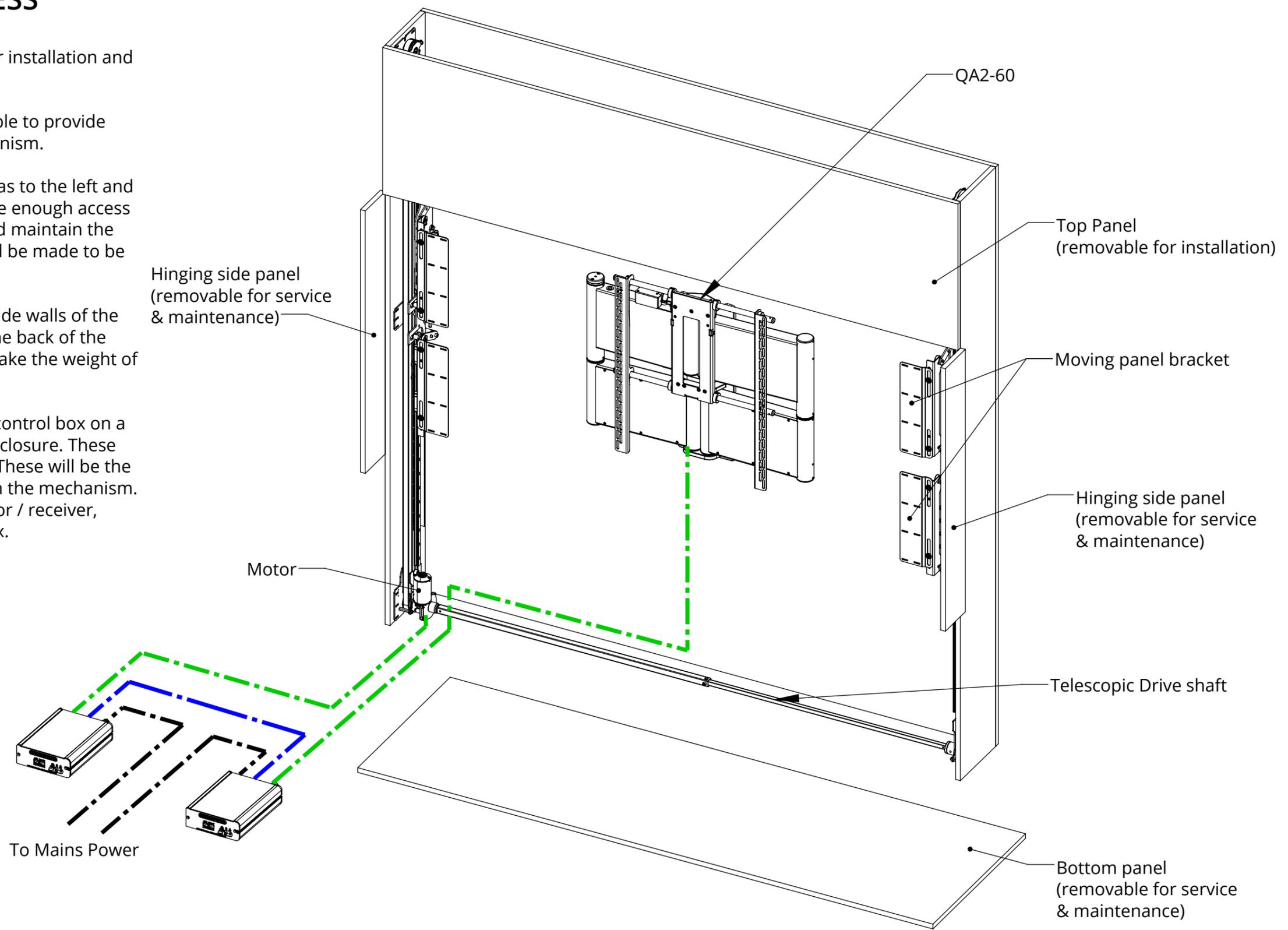
The SPS mechanism requires certain access for installation and to be serviced.

For installation the top panel must be removable to provide access to all the fixing points of the SPS mechanism.

For servicing the best option is to have the areas to the left and right of the opening on hinges. This will provide enough access to everything that will be needed to service and maintain the mechanism. Alternatively the side panels could be made to be easily removable on suitable catches / fixings.

The 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 SPS and QA2-60 are each supplied with a control box on a 3m [10'] flying lead linked together via contact closure. These must be fitted in an easily accessible location. These 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) are all made at the control box.



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

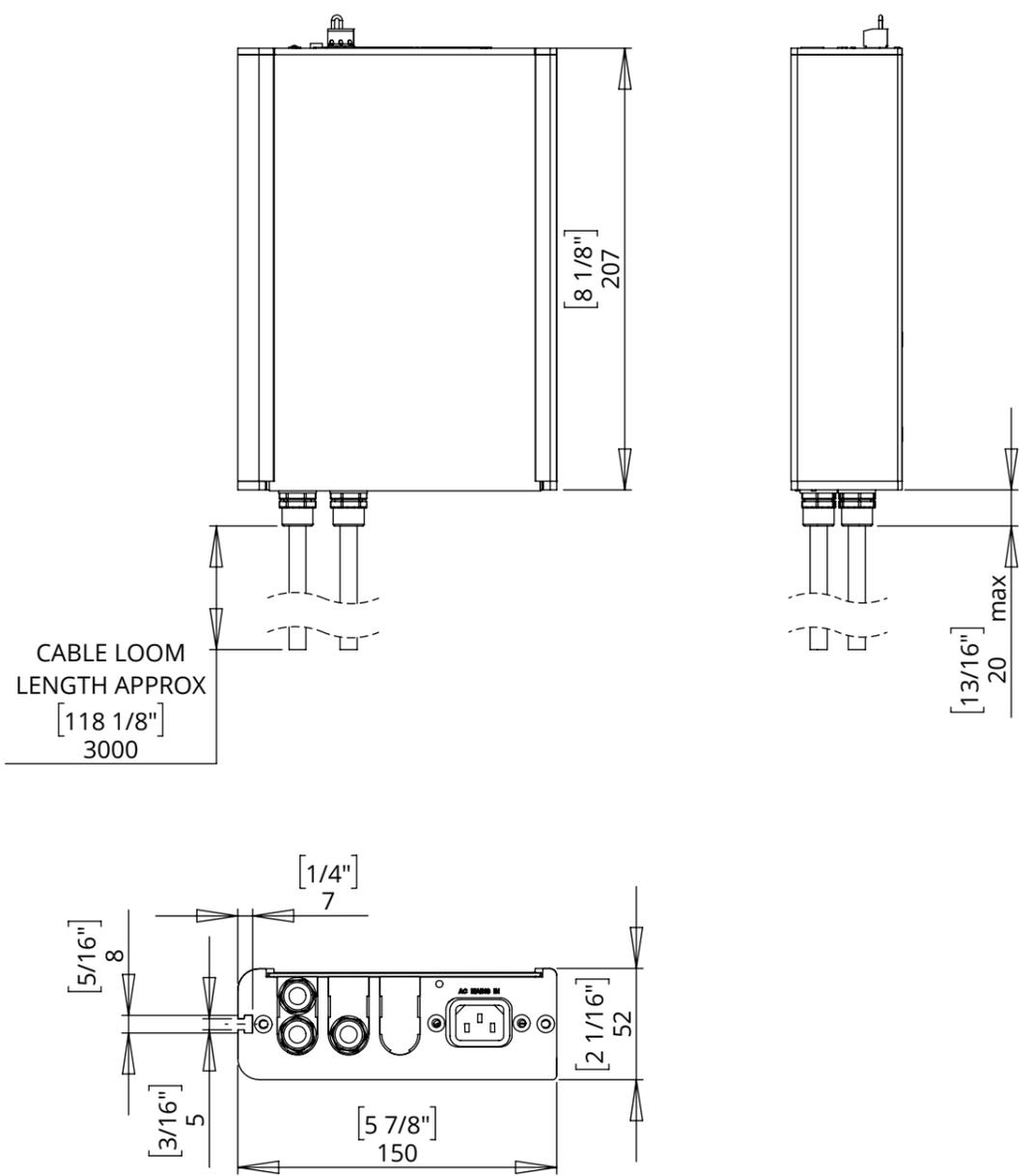
# SPS-VS-6 - QA2-60



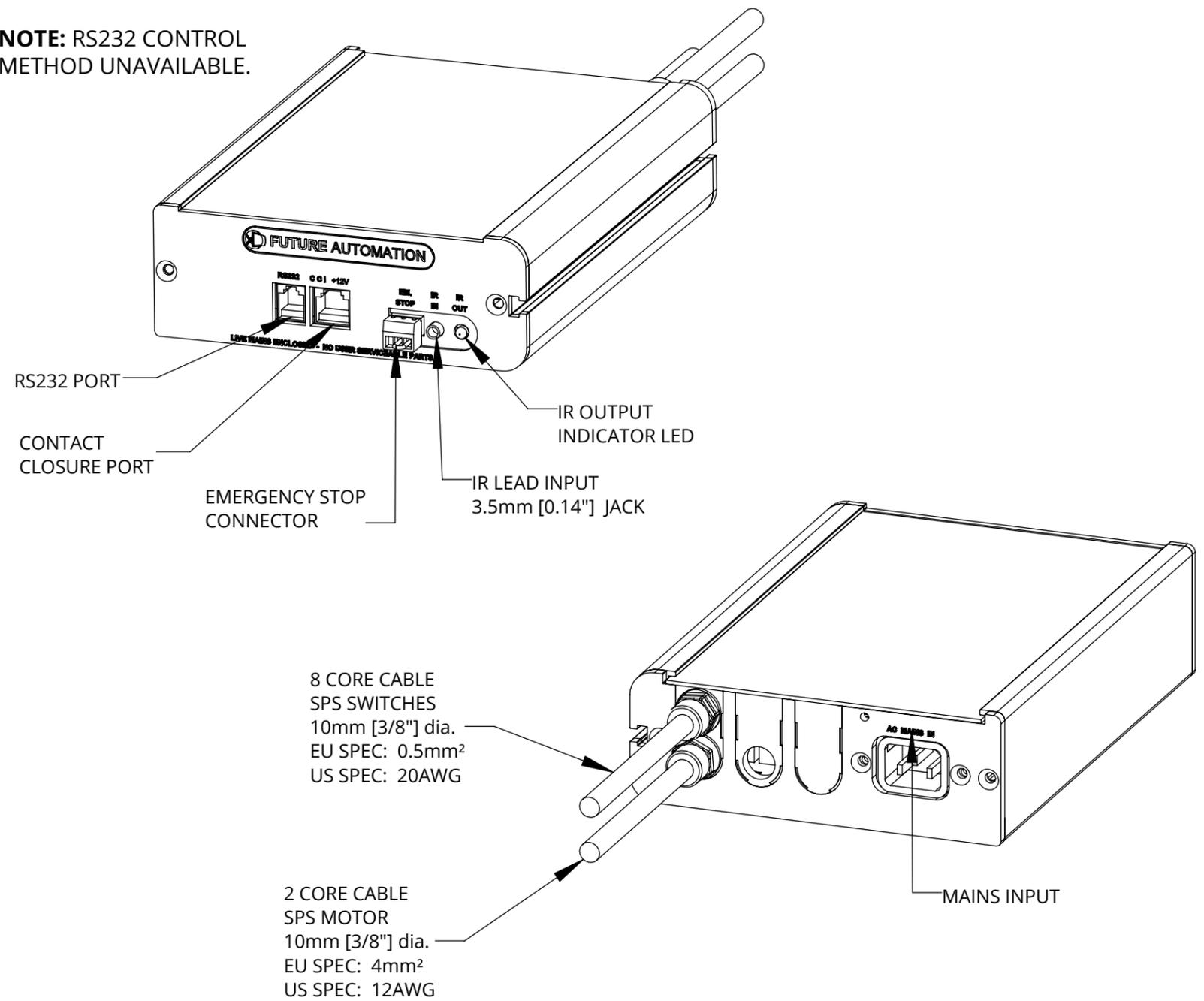
future automation

## SLIDING PANEL MECHANISM - VERTICAL SPLIT

### CONTROL BOX



**NOTE:** RS232 CONTROL METHOD UNAVAILABLE.



### 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"].

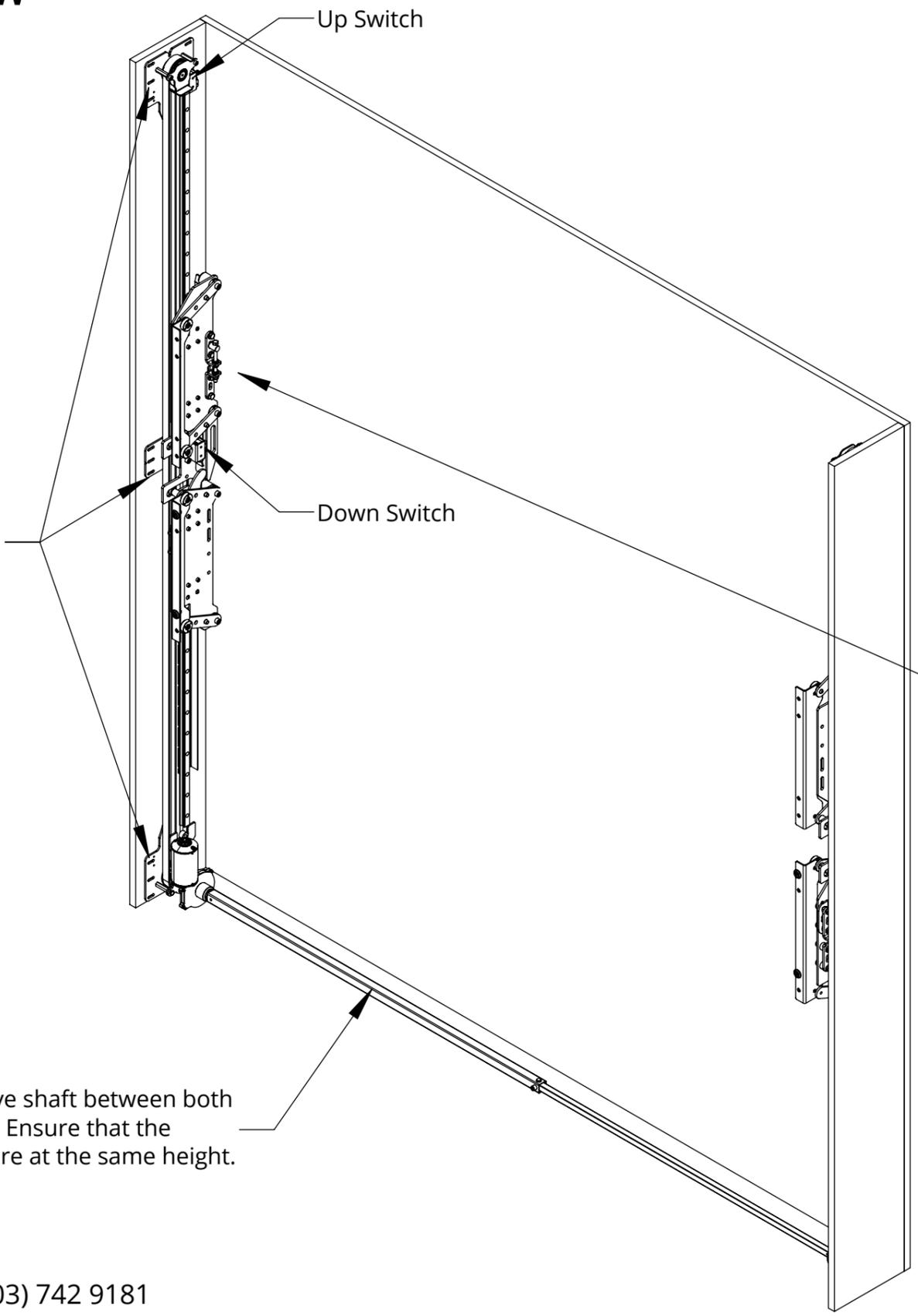
# SPS-VS-6 - QA2-60

## SLIDING PANEL MECHANISM - VERTICAL SPLIT



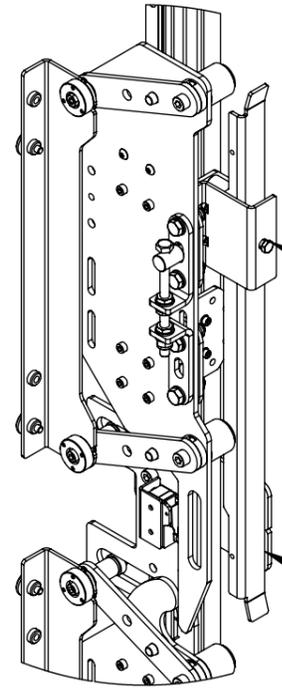
### INSTALLATION OVERVIEW

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.



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

Rear View



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

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

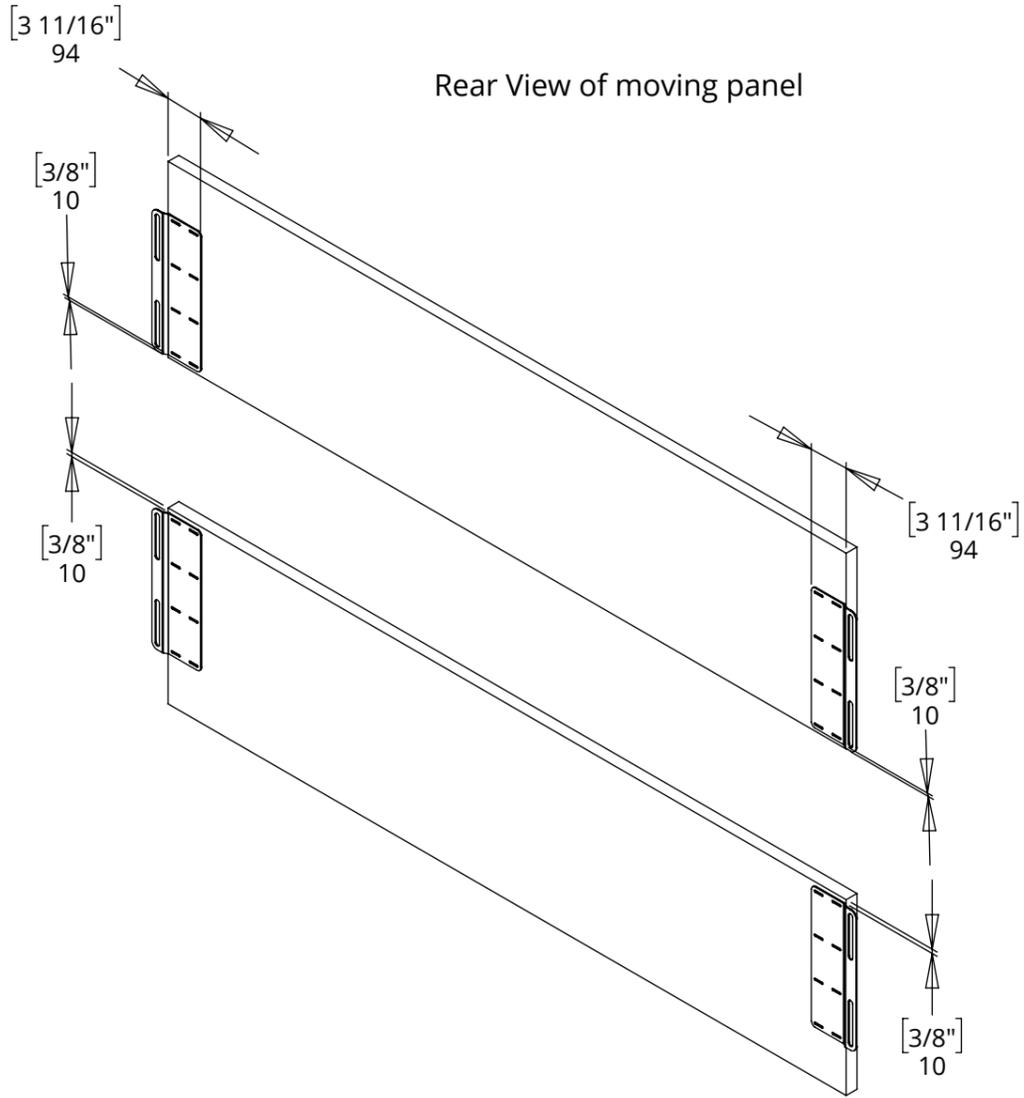
# SPS-VS-6 - QA2-60



## SLIDING PANEL MECHANISM - VERTICAL SPLIT

### INSTALLATION OVERVIEW

- 4. Mount the moving panel to the moving panel brackets 15mm from the base of the moving panel and 94mm in from the edge.
- 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.



Recommended to use 5mm shims to align the top moving panel with the lower moving panel.

Recommended to use 5mm shims to align the moving panel with the base of the aperture.

