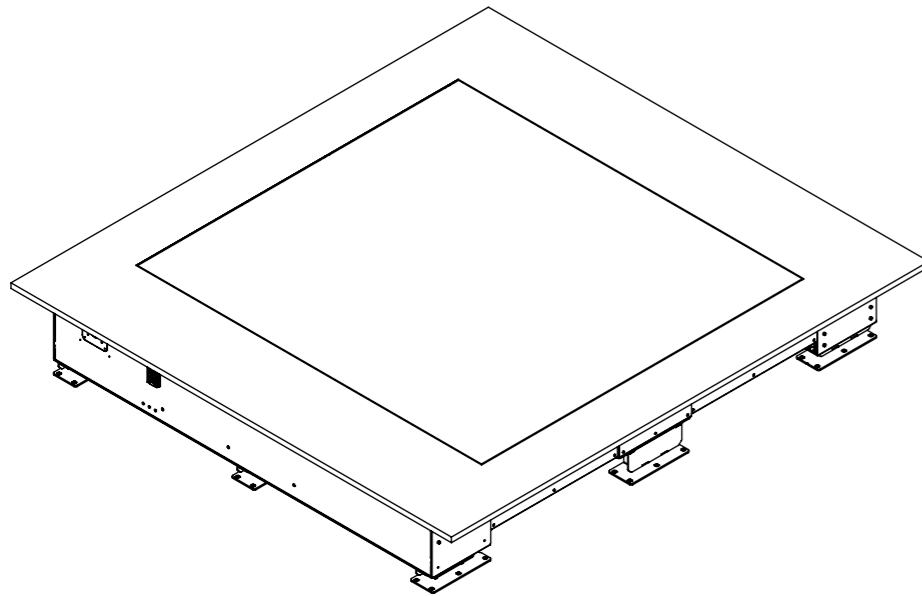
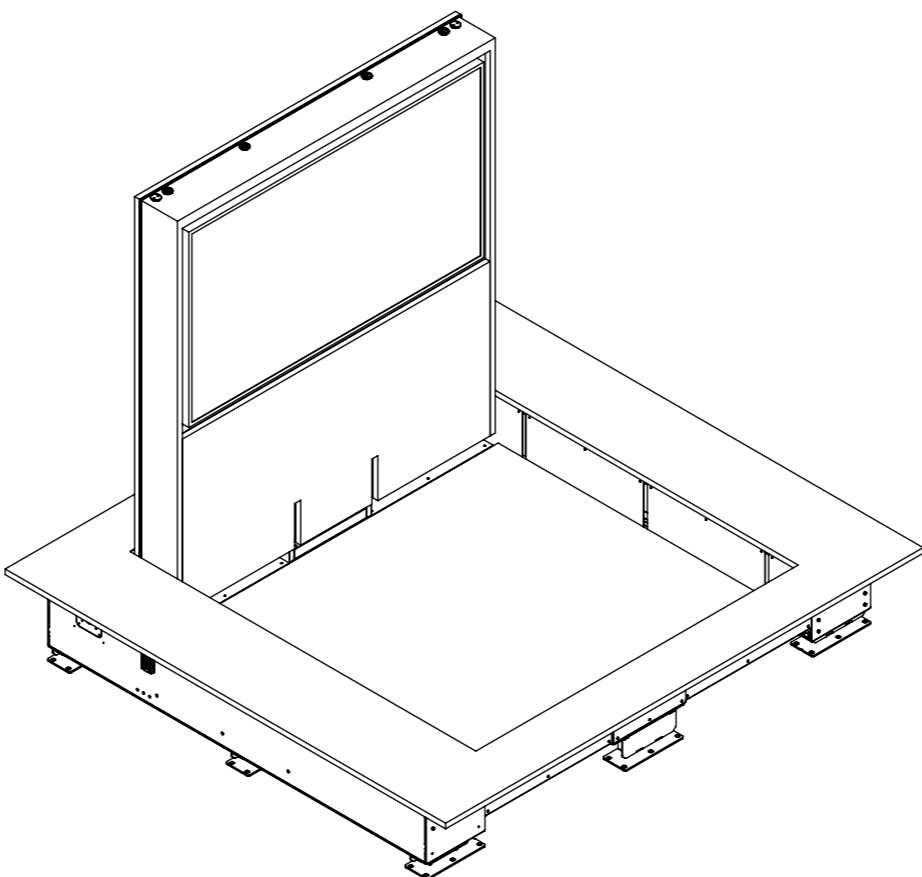


SRV-HU-9

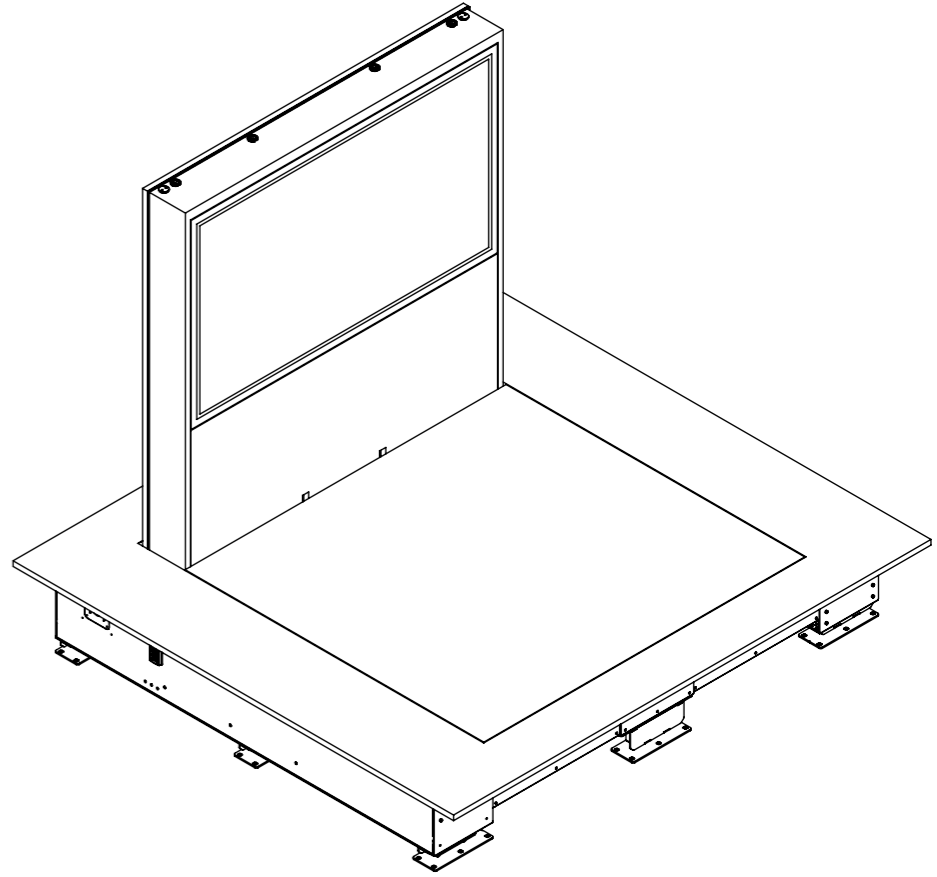
SERVO HINGE UP



| HINGE DOWN - PANEL DOWN |



| HINGE UP - PANEL DOWN |



| HINGE UP - PANEL UP |

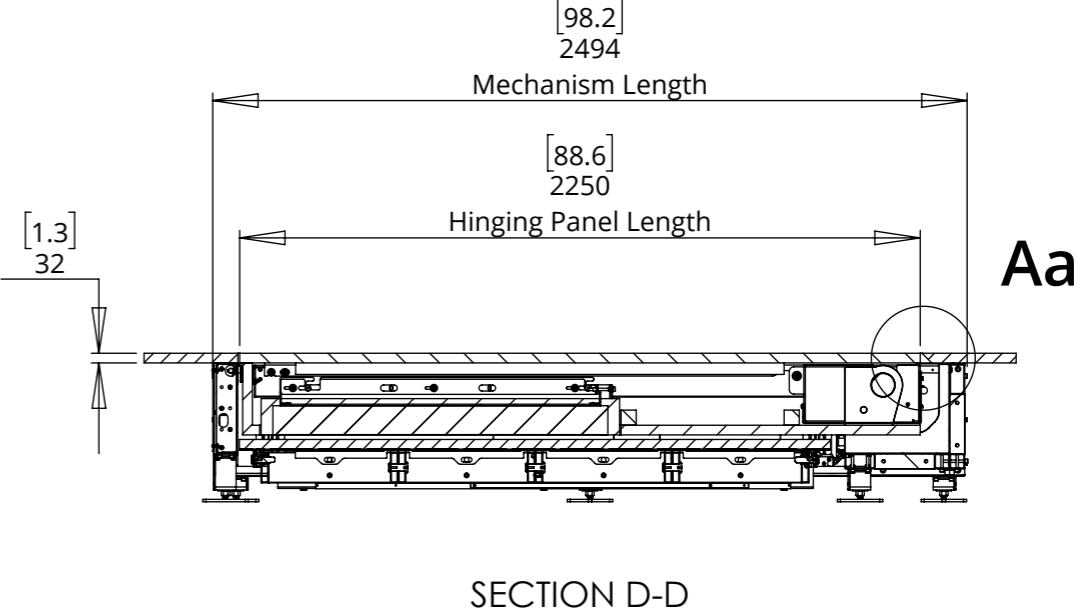
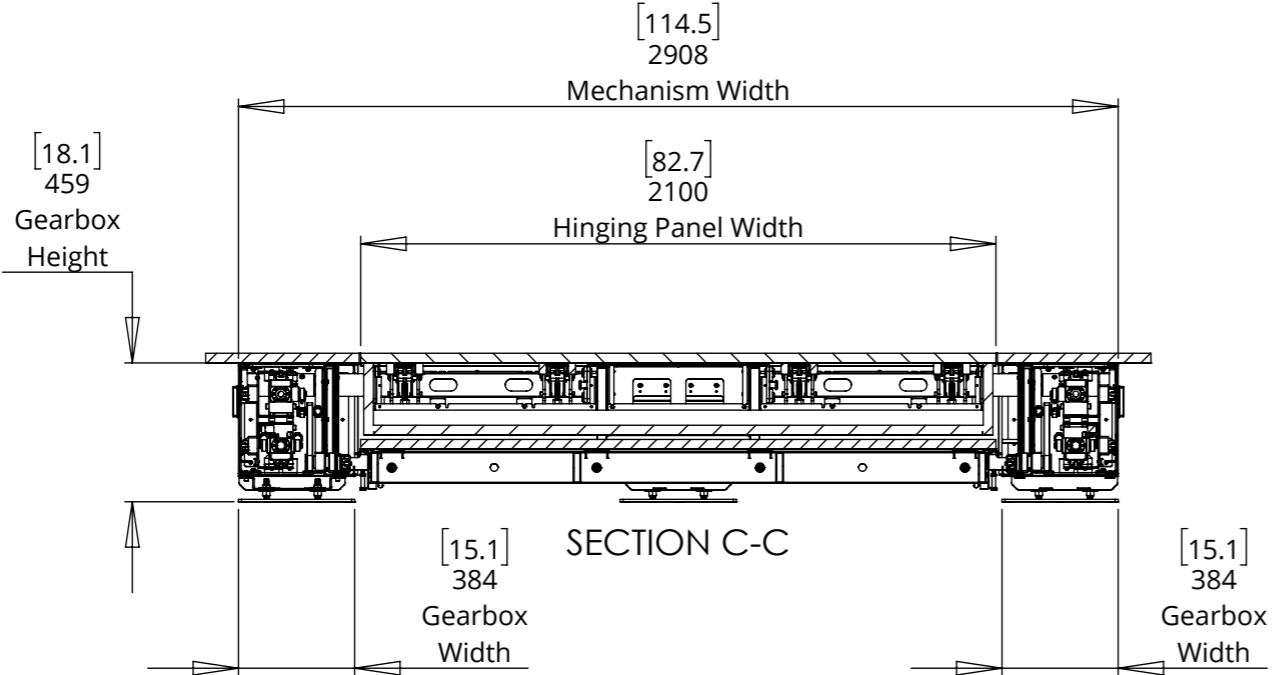
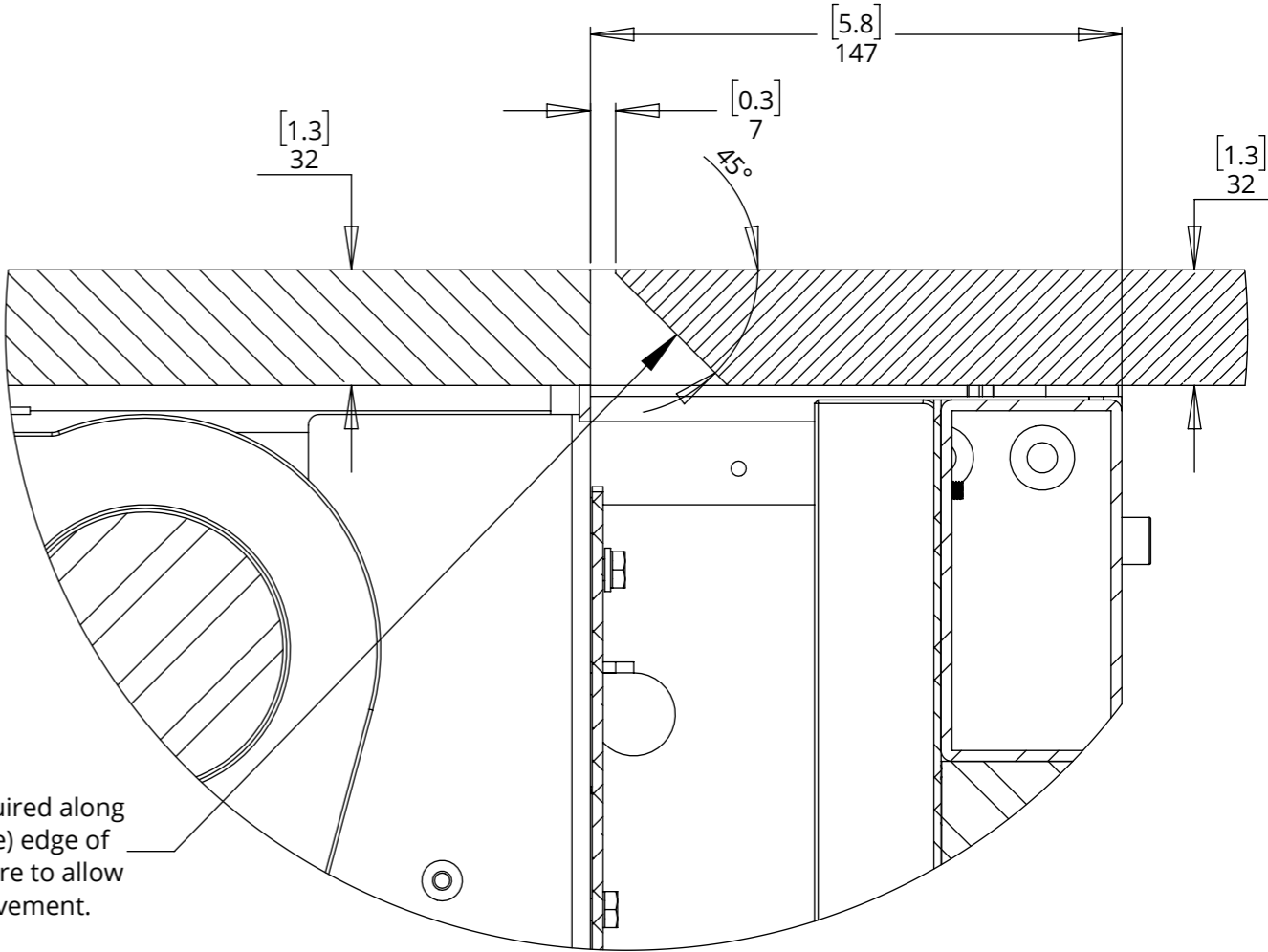
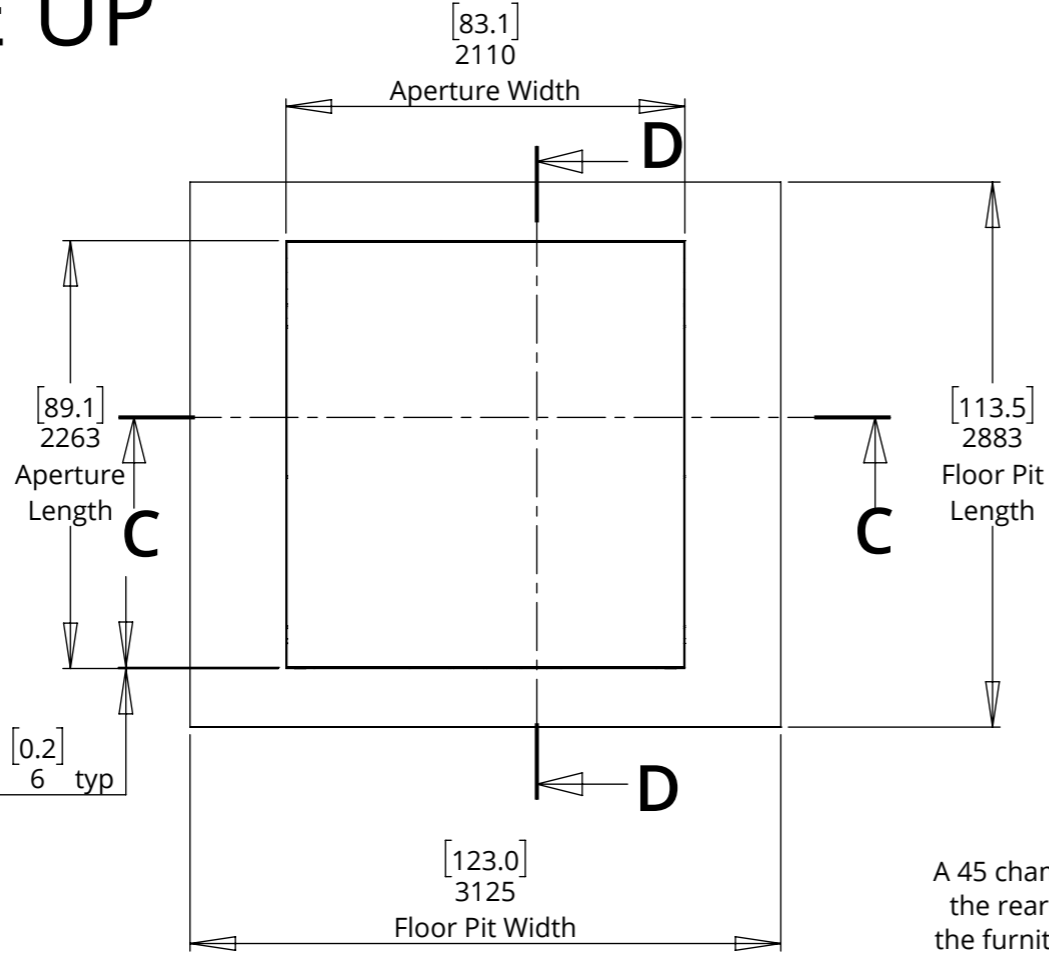
SRV-HU-9 SERVO HINGE UP



future automation

MECHANISM CLOSED

| PLAN VIEW |

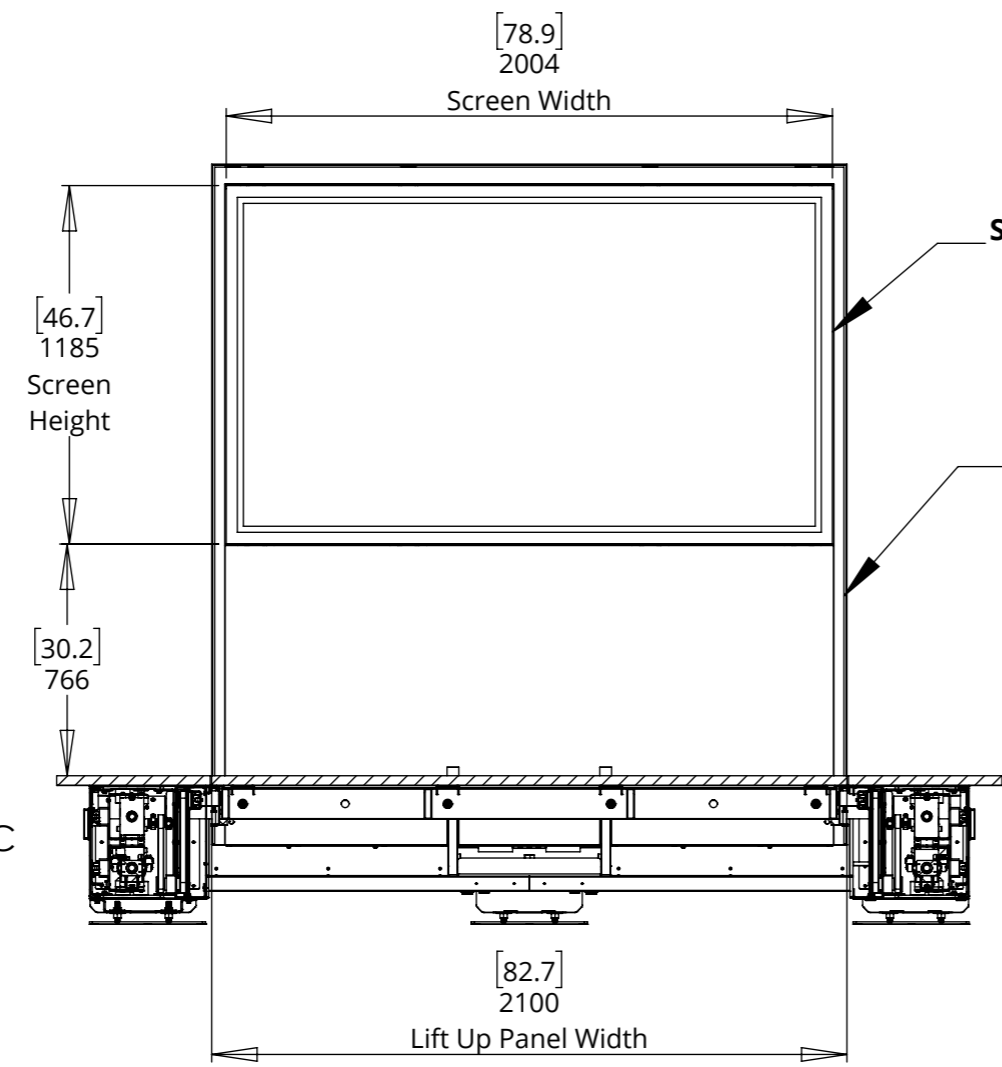
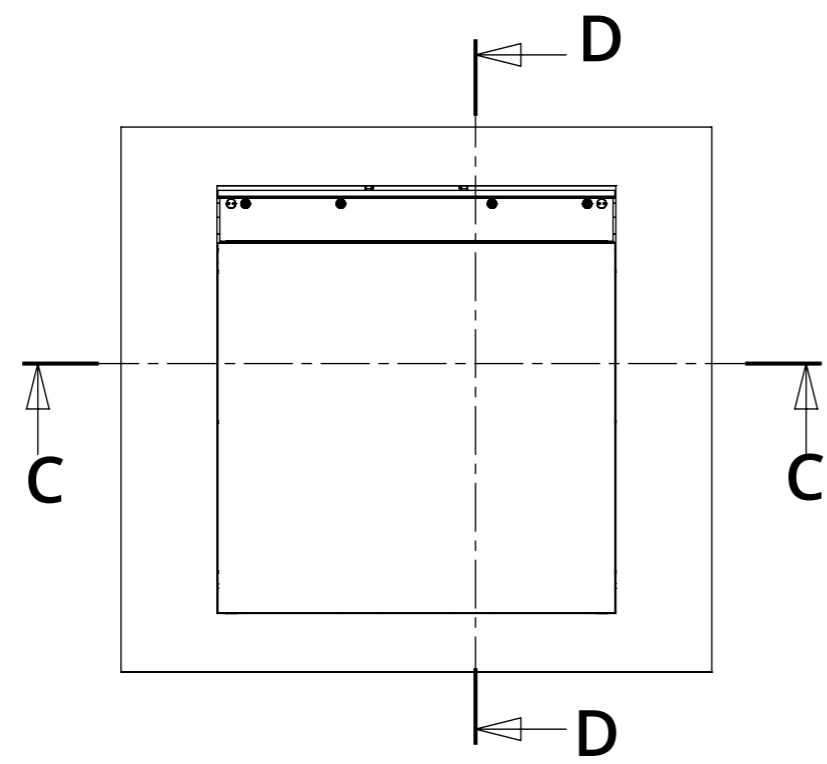


SRV-HU-9

SERVO HINGE UP

MECHANISM OPEN

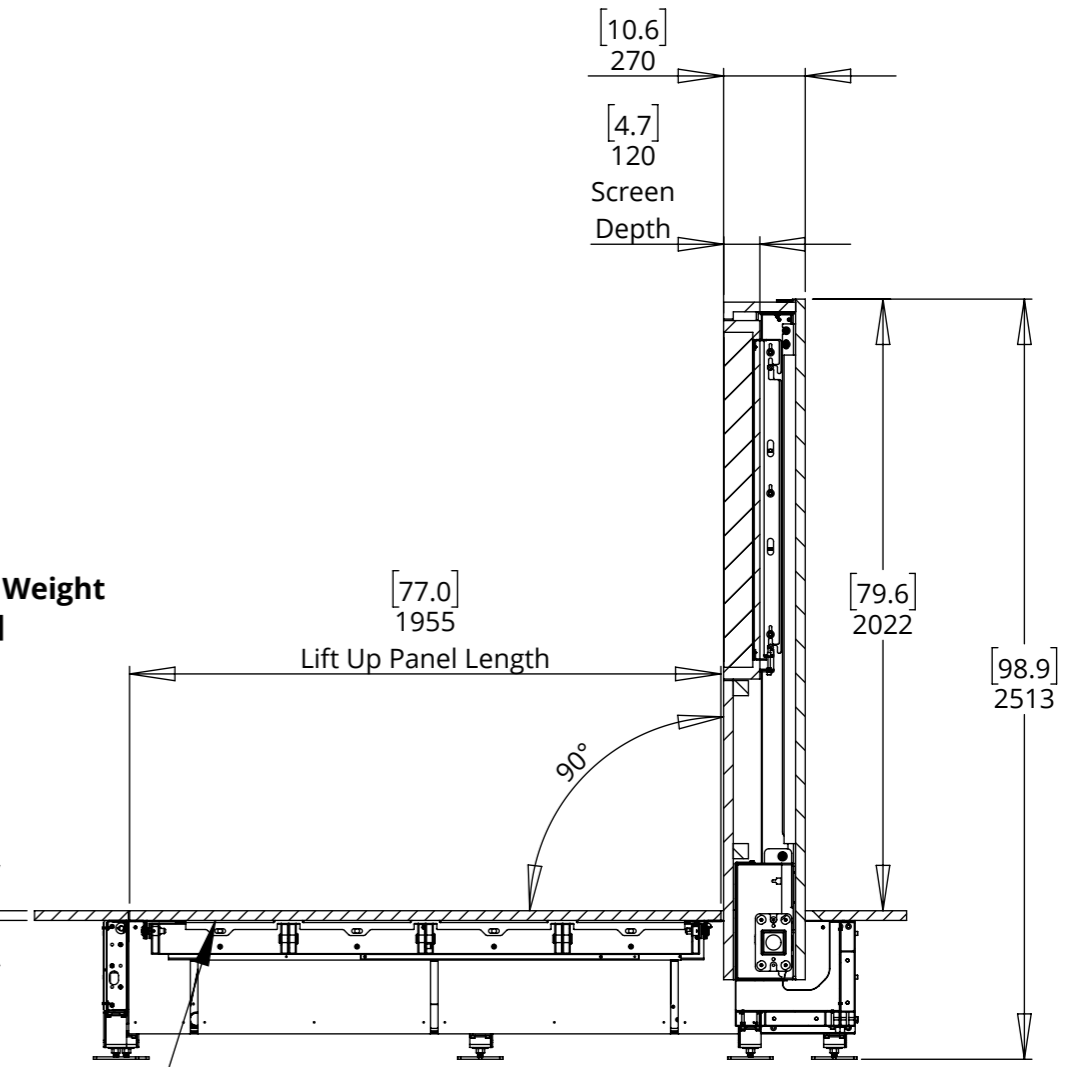
| PLAN VIEW |



Screen Max Weight = 135kg [300lbs]

Screen Enclosure Max Weight = 113kg [250lbs]

Lift Up Panel Max Weight = 113kg [250lbs]



SRV-HU-9

SERVO HINGE UP

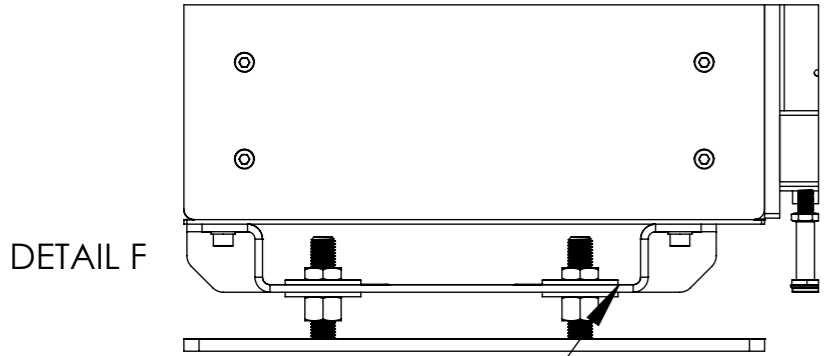


MECHANISM MOUNTING

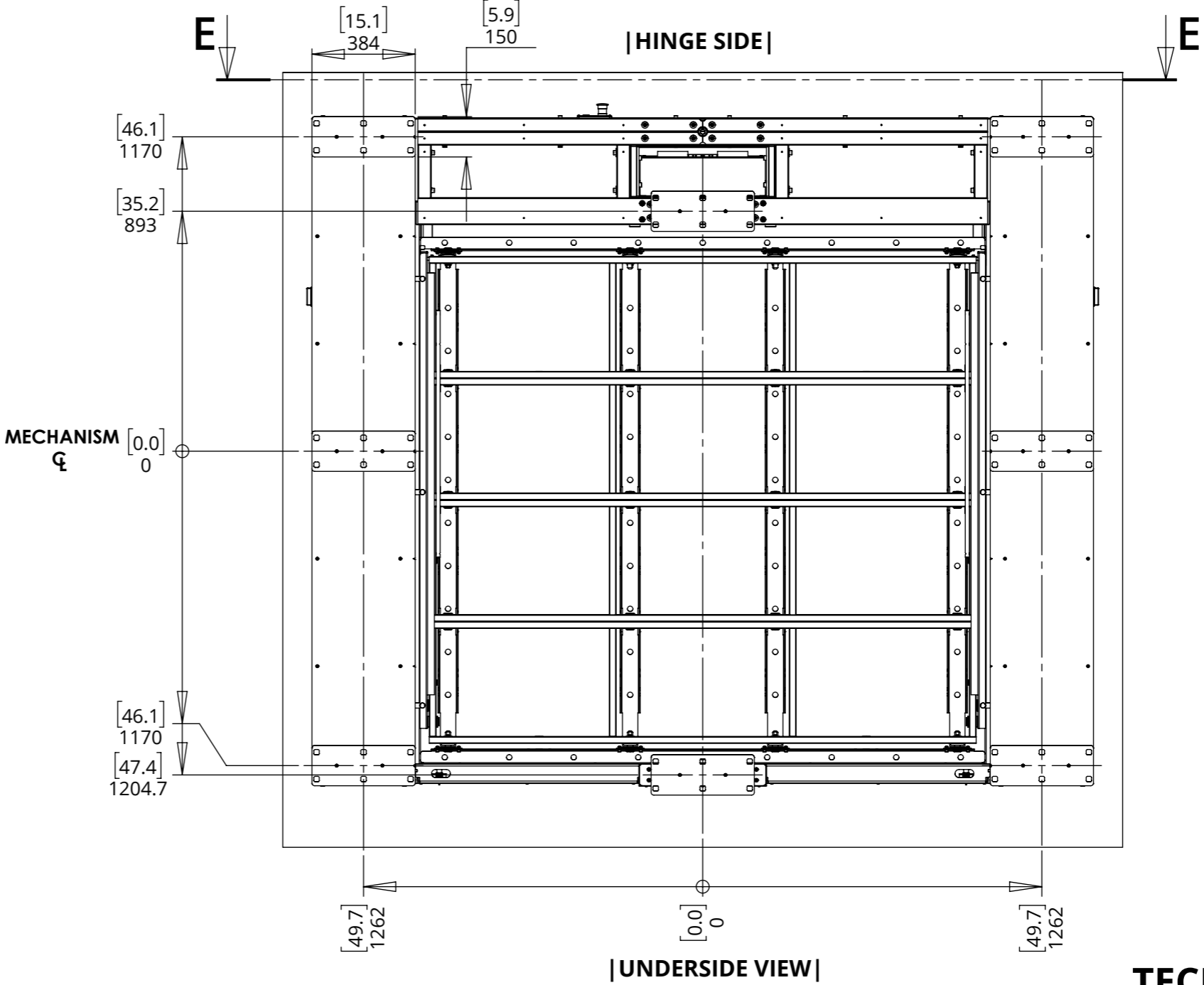
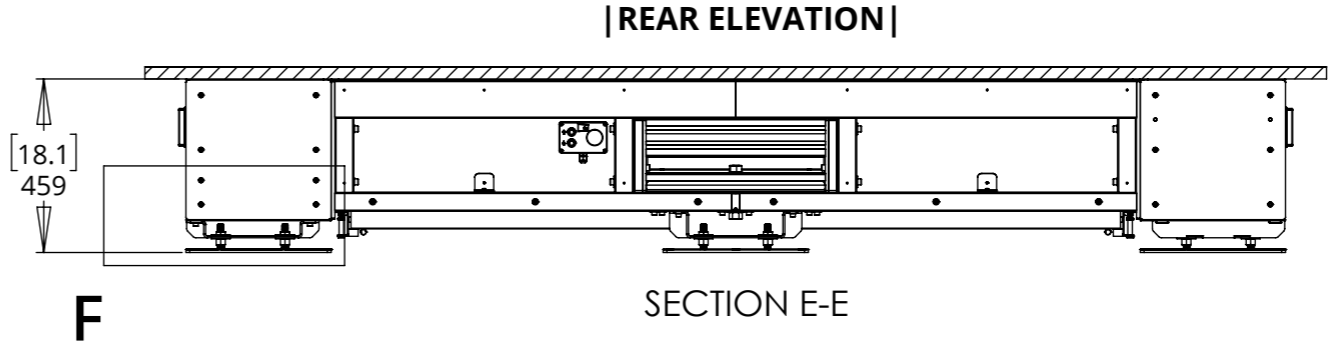
A structural platform/ base is required below the mechanism e.g. concrete slab.

The mechanism will have 8 x adjustable pads that will support the weight of the mechanism. They will be height adjustable to $\pm 10\text{mm}$ [0.4"] of the nominal height dimensioned.

The load on each of the pads should not exceed 250kg [550lbs] throughout the movement of the mechanism.



Height adjustable supports allow for mechanism levelling on top of concrete slab.



SRV-HU-9 SERVO HINGE UP



MECHANISM FEATURES + ACCESS

All motors, switches and critical features are highlighted in the image right.

All panels that cover the mechanism should be removable where possible.

The Lift Up Panel must be removable to allow access to cable connections and the sump pump for maintenance.

Moving Panel Switches - the panel UP and panel DOWN switches are located here behind a removable cover plate.

The Panel Slave switches are located on the opposite side of the mechanism.

Lock Pocket - when the mechanism closes, locks advance from the front cross brace and engage into the 4 x lock pockets located above the screen. These pockets can be temporarily removed to add the screen surround but **must be in place during operation of the mechanism.**

Hinge Closed Switch Boss - when the mechanism closes, the stainless steel boss is detected by a proximity sensor located in the front crossbrace - this stops the mechanism in the closed position. These bosses can be temporarily removed to add the screen surround but **must be in place during operation of the mechanism.**

Hinge and Panel Drive Motors - all motors can be accessed by removing the internal cover plates then another sealed access panel. The Moving Panel must be in the DOWN position for access.

Hinge Closed Switch - 2 x proximity sensors located in the front crossbrace stop the mechanism in the CLOSED position. These can be removed from inside the mechanism in the event of failure.

Lock Motor and Switches - the lock motor and switches can be accessed by removing the internal access panel when the Moving Panel is in the DOWN position.

Motor 3 - PANEL
Motor 1 - HINGE

Motor 5 - LOCK

Motor 4 - PANEL SLAVE

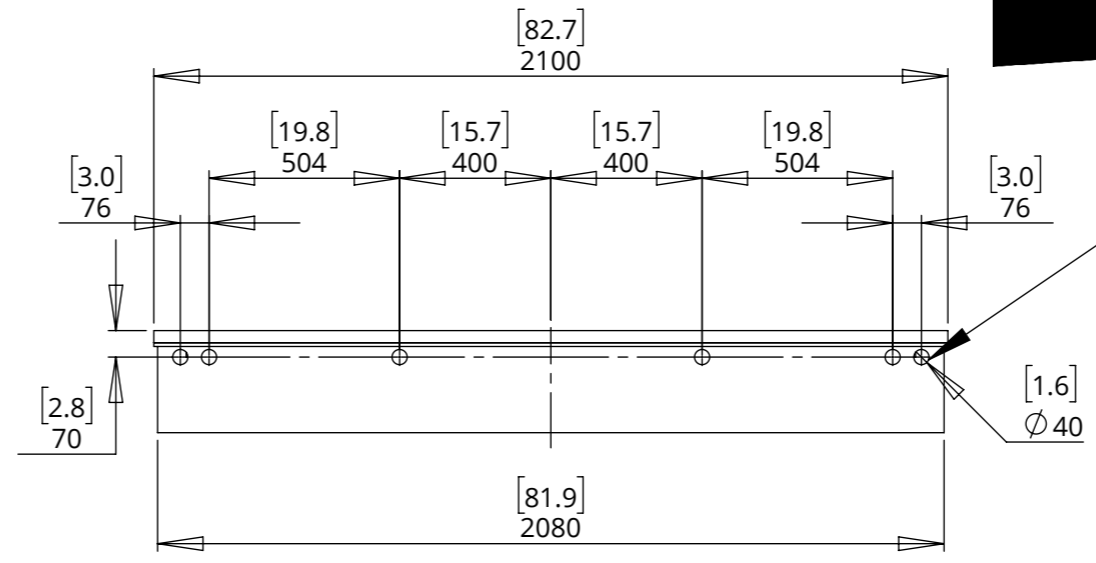
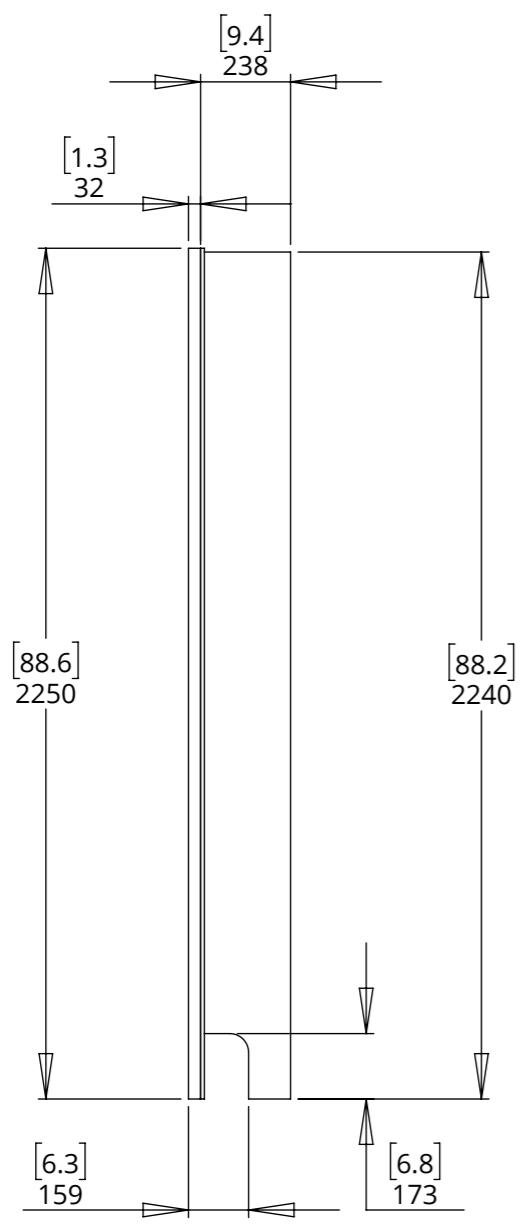
Motor 2 - HINGE SLAVE

SRV-HU-9 SERVO HINGE UP

FURNITURE DETAILS - Not Supplied by FA

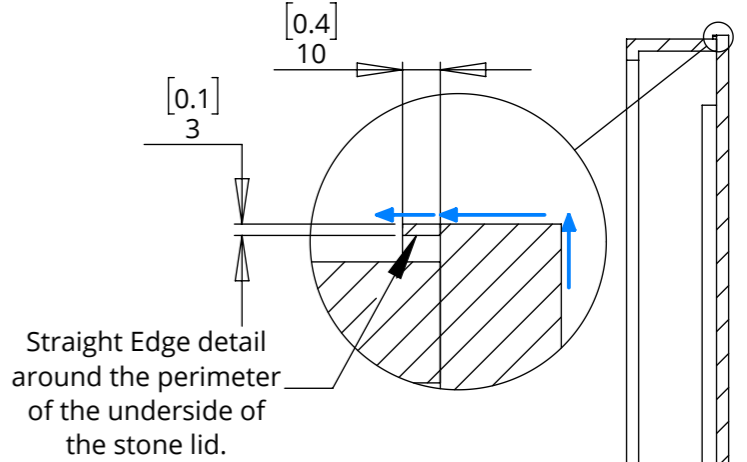
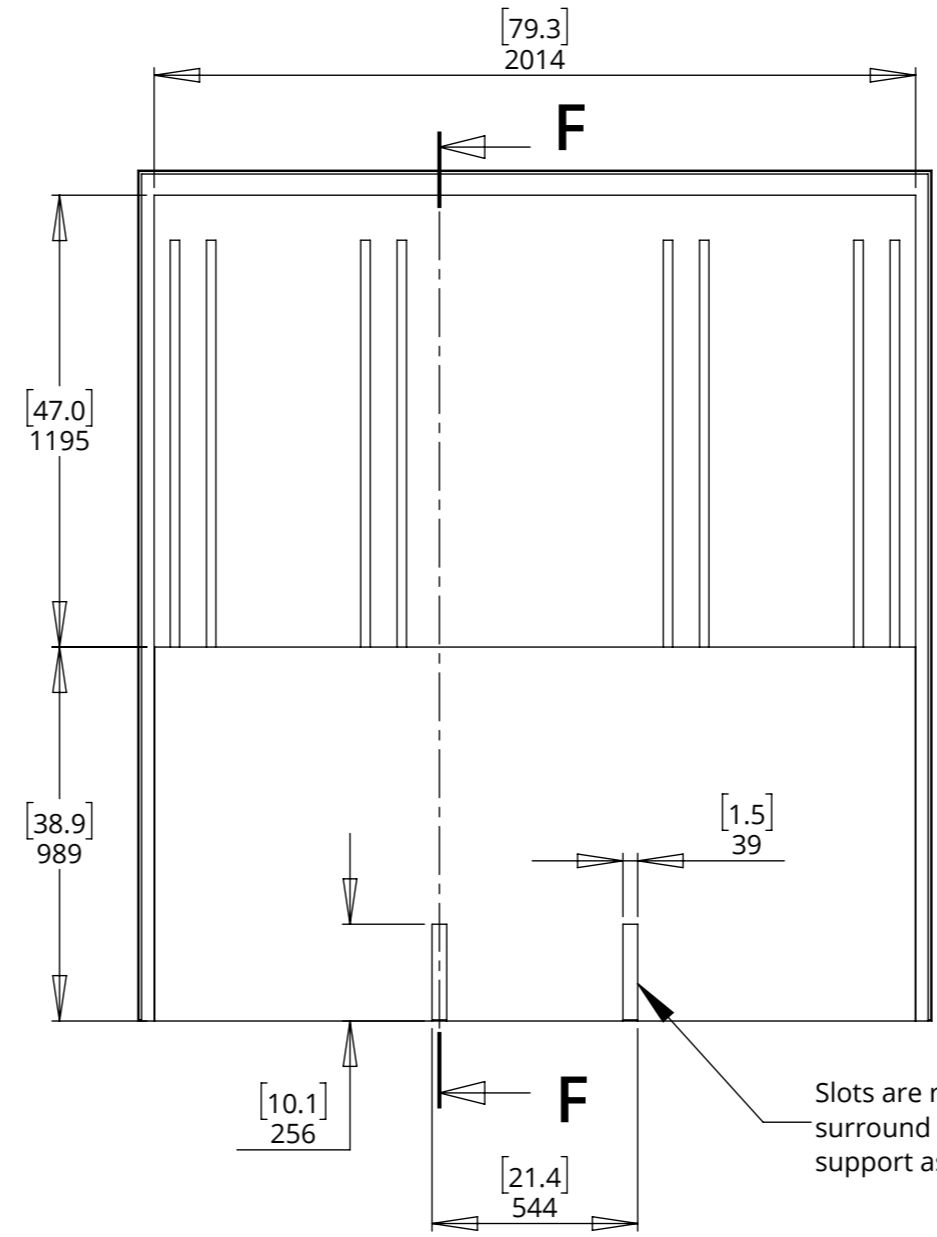
| SCREEN SURROUND |

NOTE: All panels must be easily removable for servicing.



Holes are required in the top face to allow the Lock Pockets to pass through the screen surround. When the mechanism is closed hooks will latch into these pockets to take the weight of the hinging structure.

NOTE: The thickness of the screen surround rear panel must be the same thickness as the lift up panel.

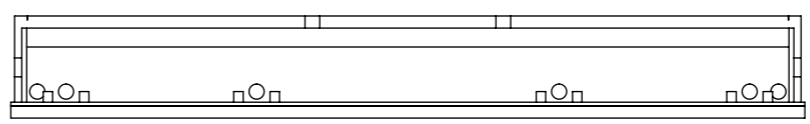


Straight Edge detail around the perimeter of the underside of the stone lid.

When the mechanism is closed, water will run off the stone and down the straight edge. As water reaches the end of the straight edge it will drop straight down and not wick around to the underside of the stone and to the rear of the screen.

Slots are required in the front of the screen surround to give clearance to the central bearing support as the hinge closes.

SECTION F-F

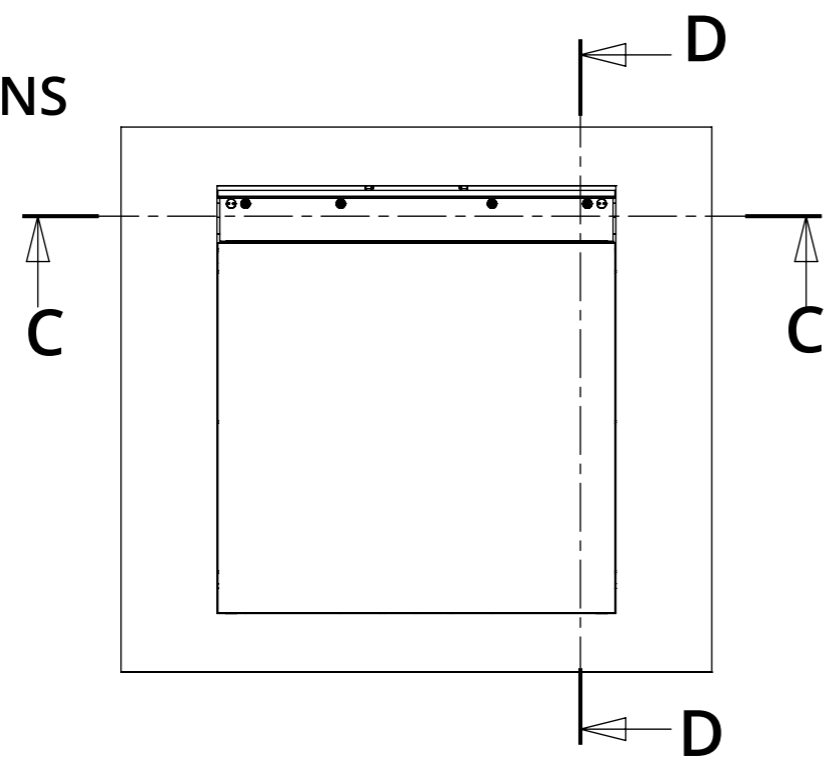


SRV-HU-9

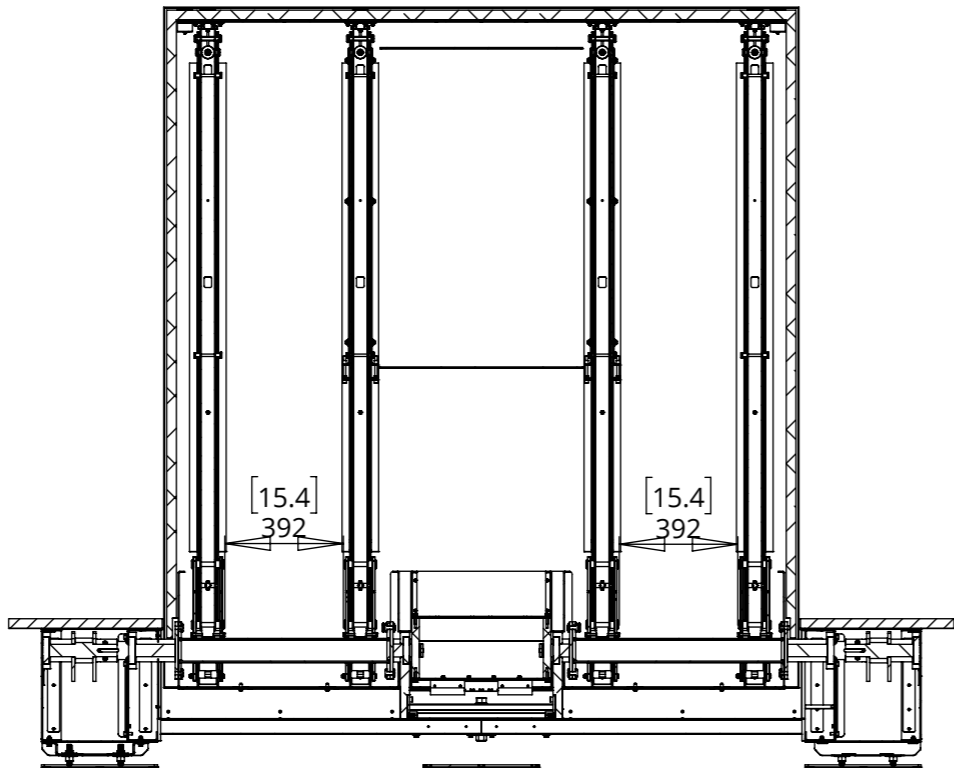
SERVO HINGE UP

SPACE AVAILABLE FOR FANS

| PLAN VIEW |



SECTION C-C



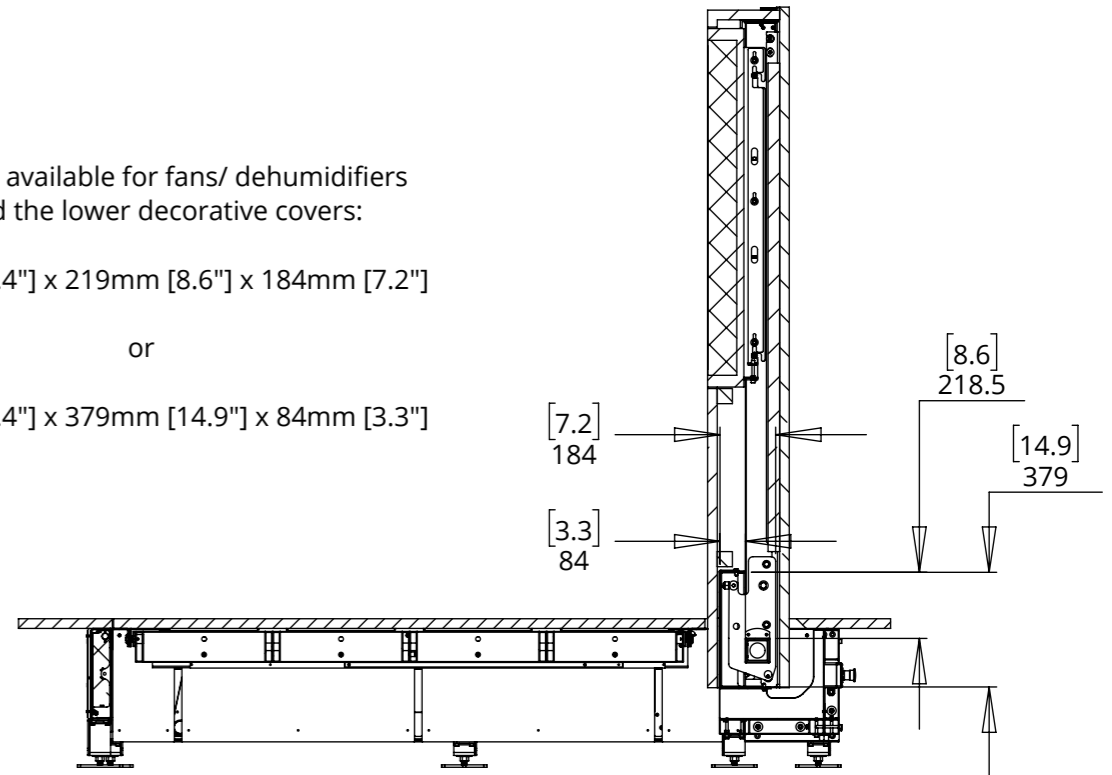
The space available for fans/ dehumidifiers behind the lower decorative covers:

392mm [15.4"] x 219mm [8.6"] x 184mm [7.2"]

or

392mm [15.4"] x 379mm [14.9"] x 84mm [3.3"]

SECTION D-D



SRV-HU-9

SERVO HINGE UP



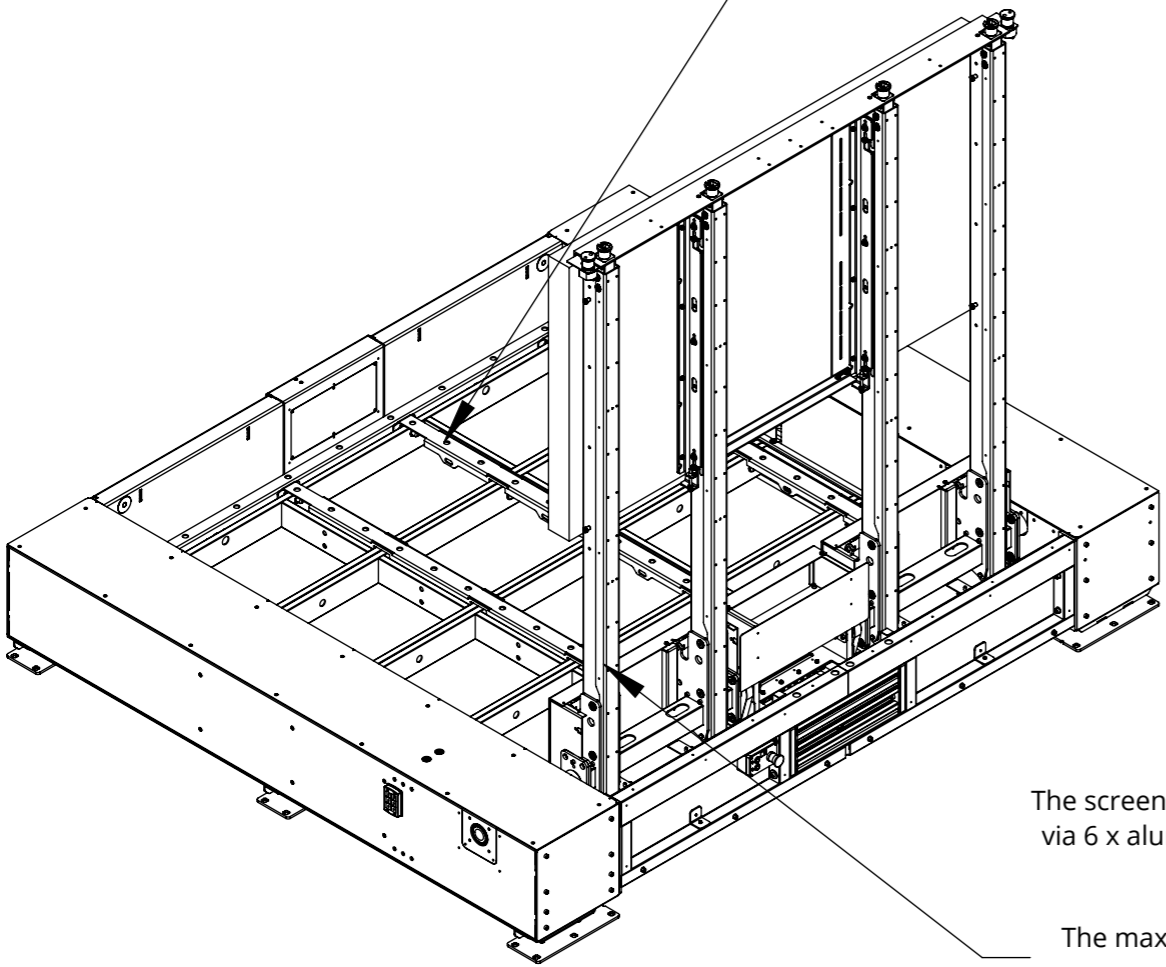
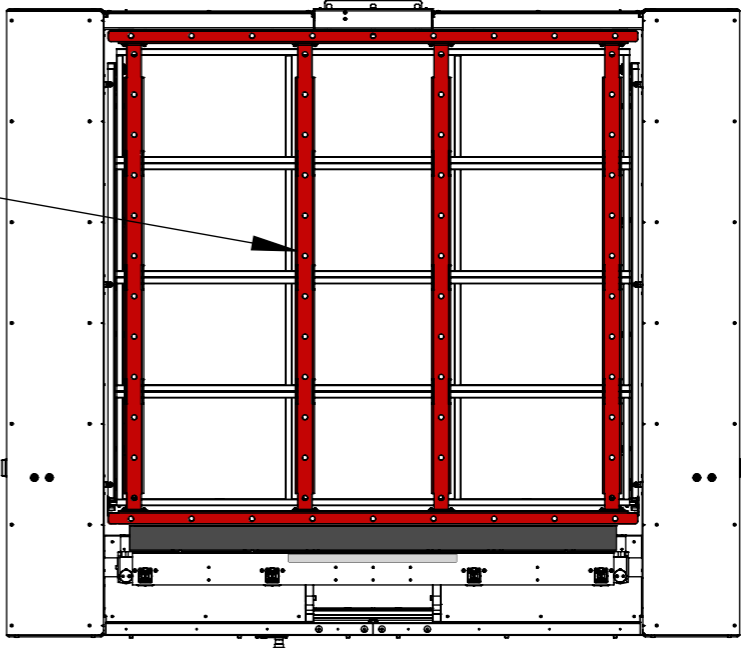
FURNITURE MOUNTING POINTS

NOTE: All furniture to be supplied by others. All panels should be easily removable where possible.

The lift up panel will be fixed to the mechanism via an aluminium framework.

The maximum weight of this panel = 113kg [250lbs].

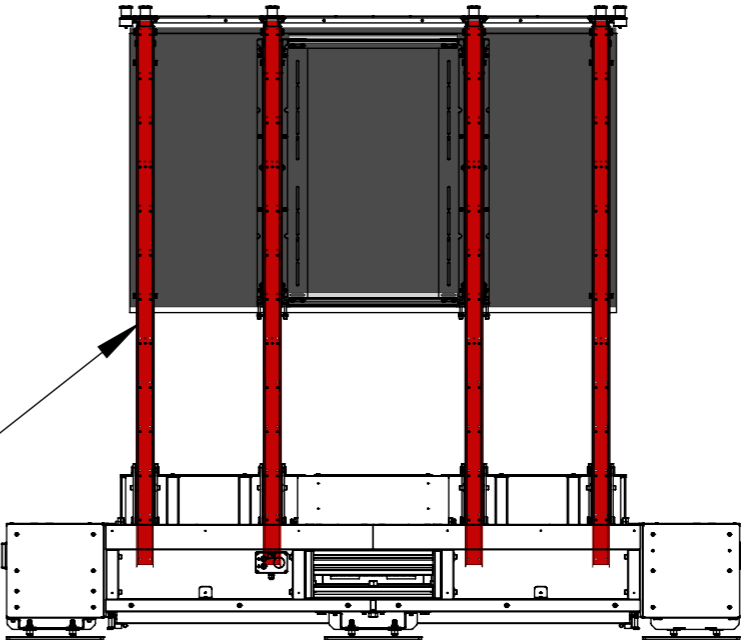
The thickness of this panel must be the same as the thickness of the rear panel of the screen enclosure.



The screen surround will be fixed to the mechanism via 6 x aluminium channels that run the full height of the hinging structure.

The maximum weight of the screen surround = 113kg [250lbs].

The thickness of the rear panel of the screen enclosure must be the same as the thickness of the lift up panel.



SRV-HU-9

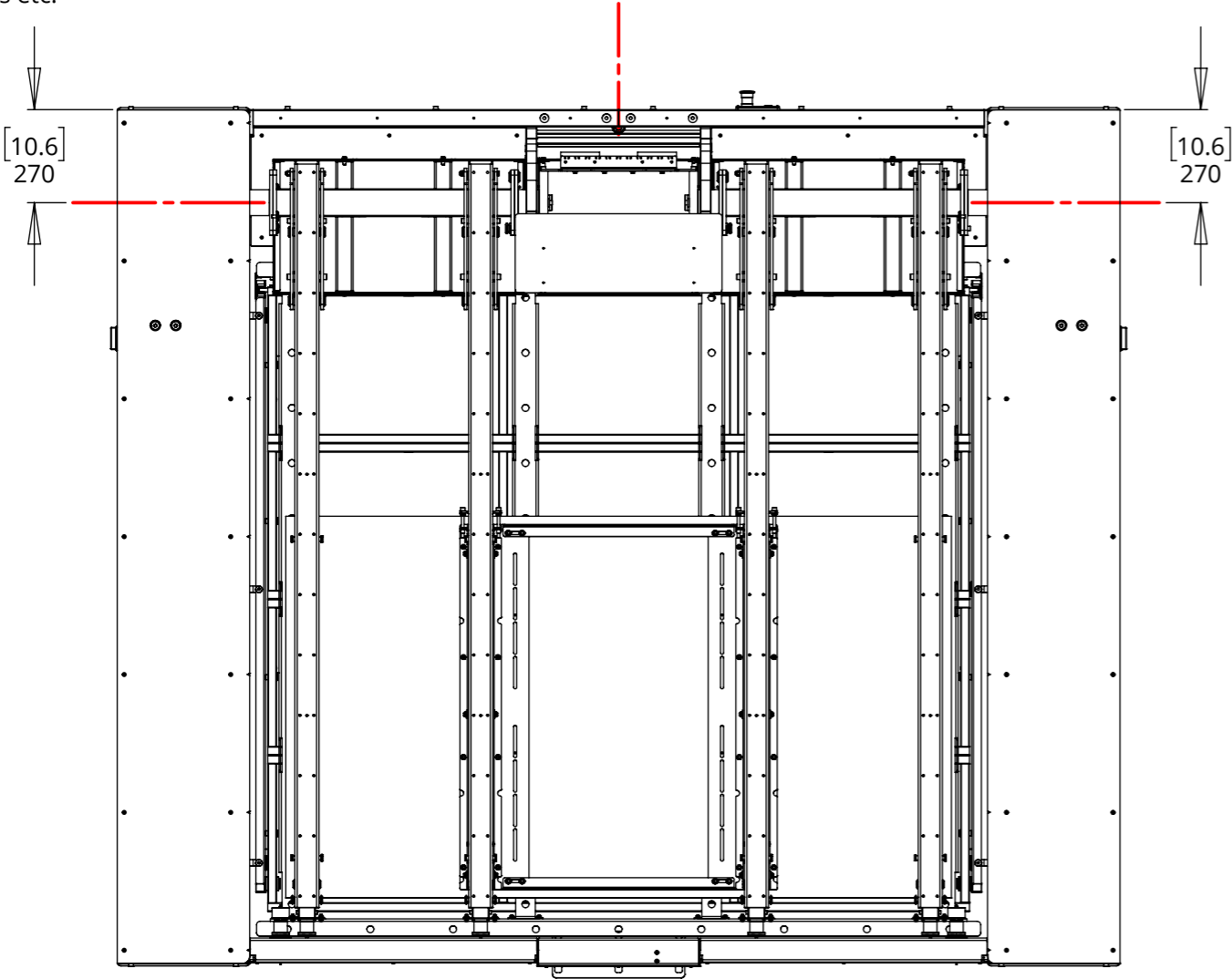
SERVO HINGE UP



CABLE + CONTROL DETAILS

Cables can enter the mechanism from centrally behind the pivot tube or at either end of the pivot tube.

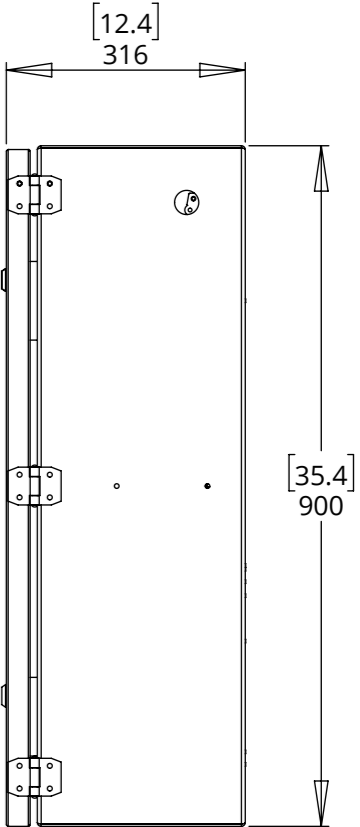
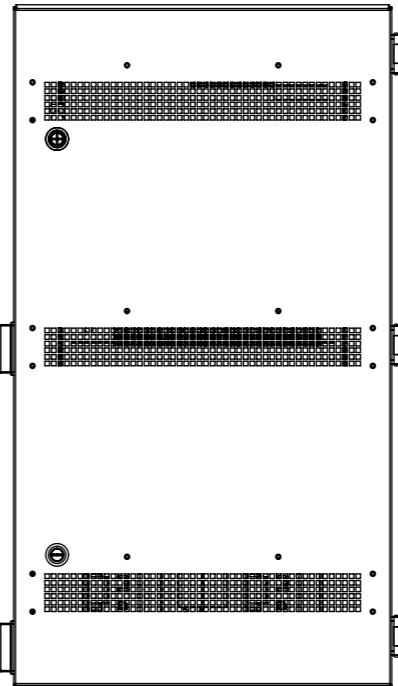
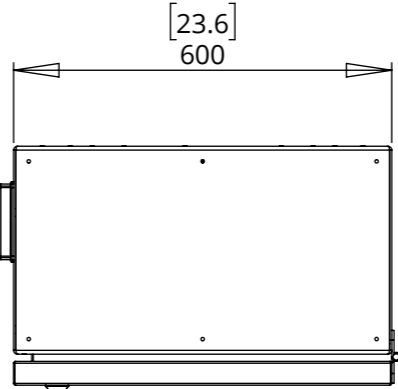
NOTE: Information on all cables to be run through the mechanism required: Diameter, min. bend radius, end terminations etc.



The control system will be housed in a metal enclosure with a reversible locking door - dimensions as shown.

The enclosure must be easily accessible and placed within 40m [132'] of the mechanism. **It is recommended that the enclosure is placed in a location that provides a clear line of sight to the mechanism.**

The control system will require a single 20A 220-240VAC single-phase supply.



The below table lists all of the cables that must be routed between the control enclosure and the mechanism. Some cables will have pre-terminated ends that cannot be removed - these connectors are highlighted in yellow - this must be considered when sizing conduits.

SRV-HU-9				
Cable Type	Diameter	Quantity	Connector Dimensions	
			Mechanism End	Control End
Motor Power - VW3M5102R350	Ø12mm [0.5"]	5	Ø28.0mm [1.1"]	40mm [1.6"] x 21mm [0.8"]
Motor Encoder - VW3M8102R350	Ø7mm [0.3"]	5	Ø26.0mm [1.1"]	16mm [0.6"] x 16mm [0.6"]
Limit Switches - 16-2-12C	Ø10.5mm [0.4"]	3	Ø26.0mm [1.1"]	2 off. 26mm [1.1"] x 15mm [0.6"]