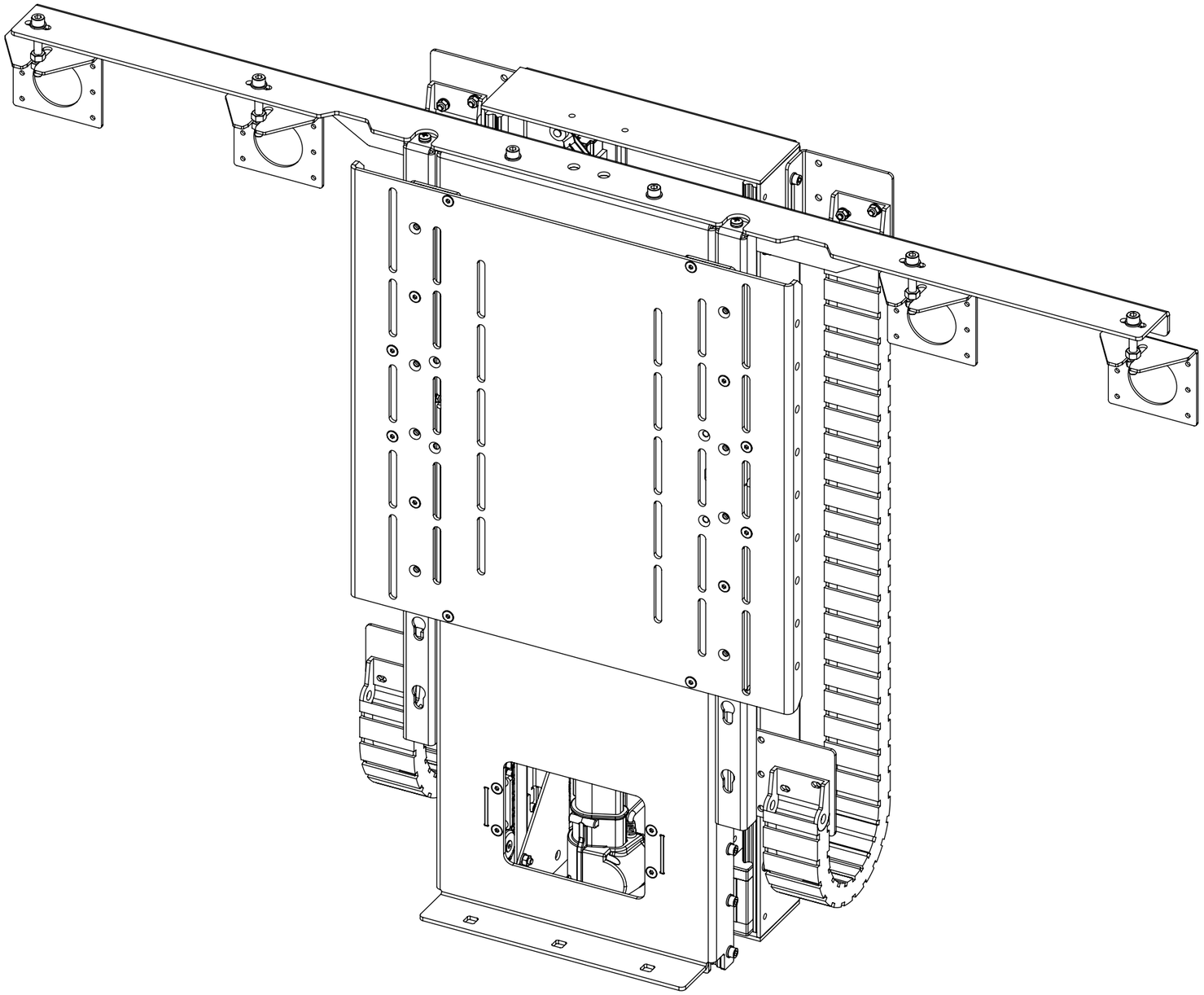
TSLM-3
TELESCOPIC SCREEN LIFT MEDIUM



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

TECHNICAL SHEET
ISSUE 003
SHEET 1

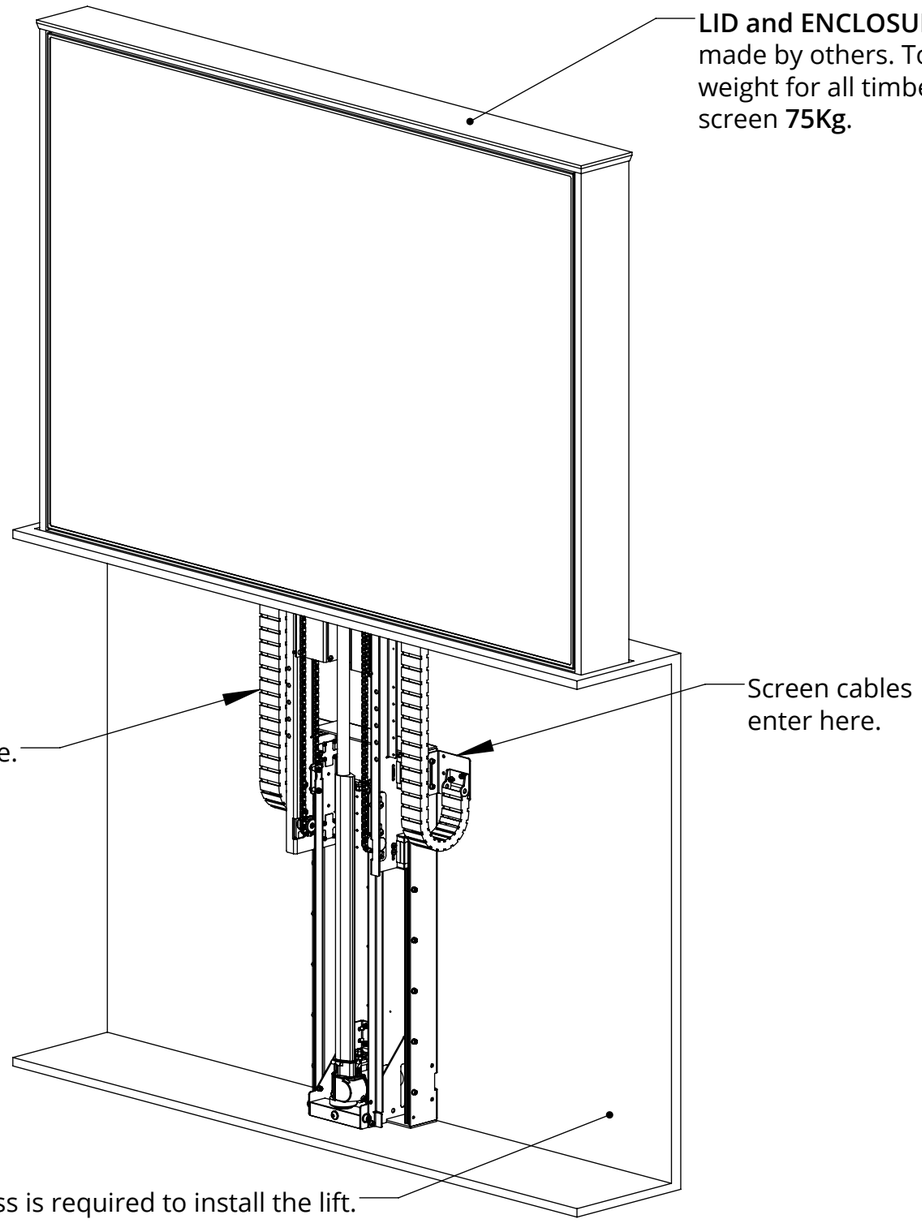
TSLM-3
TELESCOPIC SCREEN LIFT MEDIUM

future automation

SPECIFICATION	MEASUREMENTS
Product Dimensions	892mm (35 1/8") x 1280mm (50 3/8") x 240mm (9 7/16")
Minimum Screen Height	850mm (33 7/16")
Maximum Screen Height	1175mm (46 1/4")
Minimum Screen Width	1280mm (50 3/8") - (Lower Width option available apon request)
Maximum Weight Capacity (Screen + Enclosure)	75Kg (165lb)
Product Weight	45Kg (99lb)
Packaging Dimensions	TBC
Shipping Weight	TBC
Movement Type	Motorised
Power Supply Required	110V - 240V
Power Consumption Max.	250W
Power Consumption Standby	3W
Mounting Patterns Supported	VESA 200, 300, 400 W x 200, 300, 400 H - (Other VESA patterns apon request)
Control Options	IR Remote, RS232, Contact Closure
Product Options / Features	Specific B&O and Loewe mounts / adapters, Custom RAL paint finishes, Outdoor suitable version
Package Contents	Mechanism, IR remote control
Marine Suitable	YES
Outdoor Suitable	NO

TSLM-3
TELESCOPIC SCREEN LIFT MEDIUM

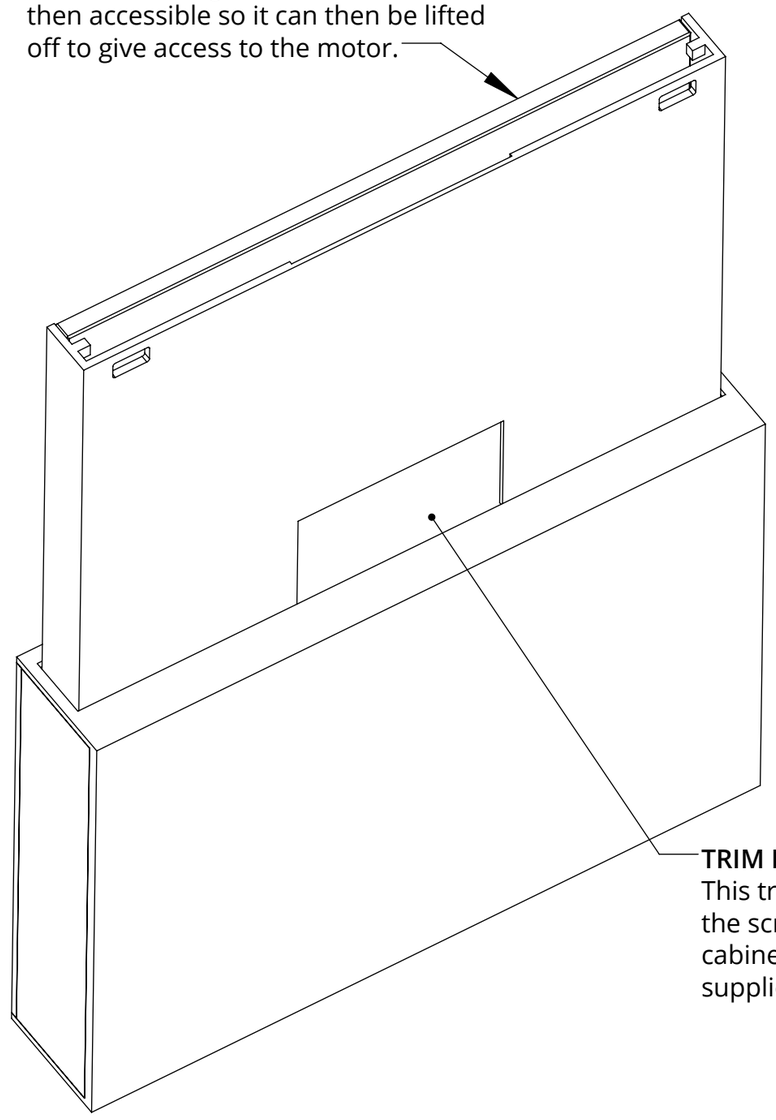
GENERAL INFORMATION



LID and ENCLOSURE - To be made by others. Total allowable weight for all timber work and the screen **75Kg**.

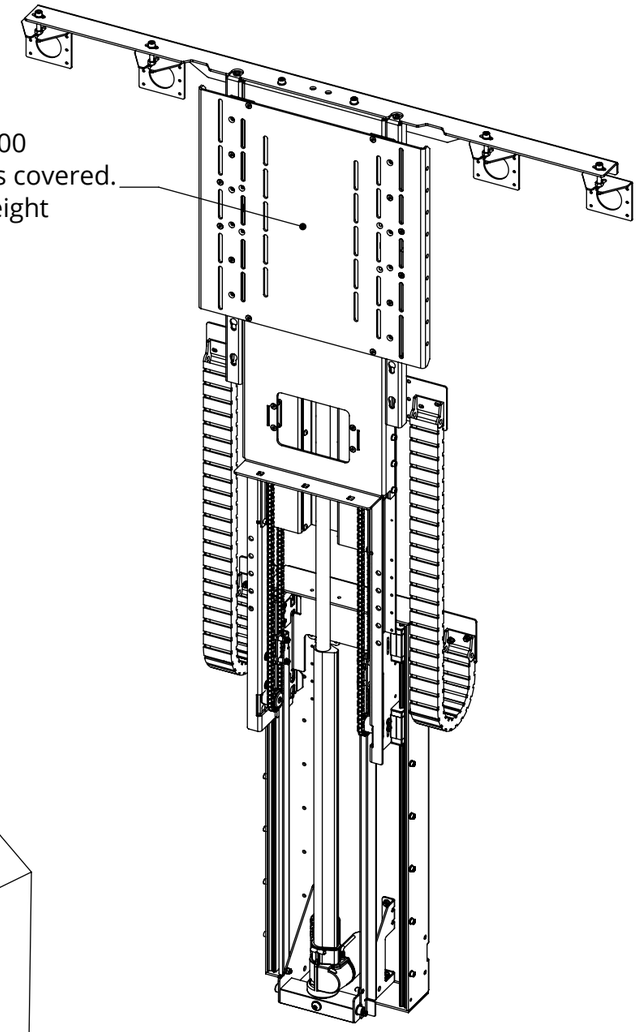
Allow 20mm+ in front of the screen if the mechanism is to be partially sunk below floor level.

The lid must be easily removed if the mechanism was stuck in the down position. A lift off arrangement being ideal. The fixings for the screen are then accessible so it can then be lifted off to give access to the motor.



TRIM PANEL - Not supplied. This trim panel is lifted up as the screen is lowered into the cabinet. Brackets are supplied to attach it.

VESA 200, 300 & 400 mounting patterns covered. Bracket has full height adjustment .

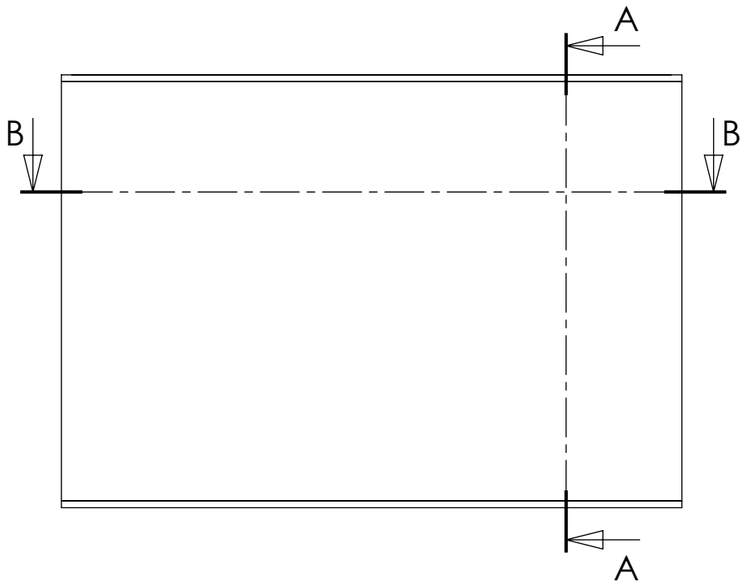


UK +44 (0) 1438 833577 **US** +1 (603) 742 9181
www.**FUTUREAUTOMATION**.NET

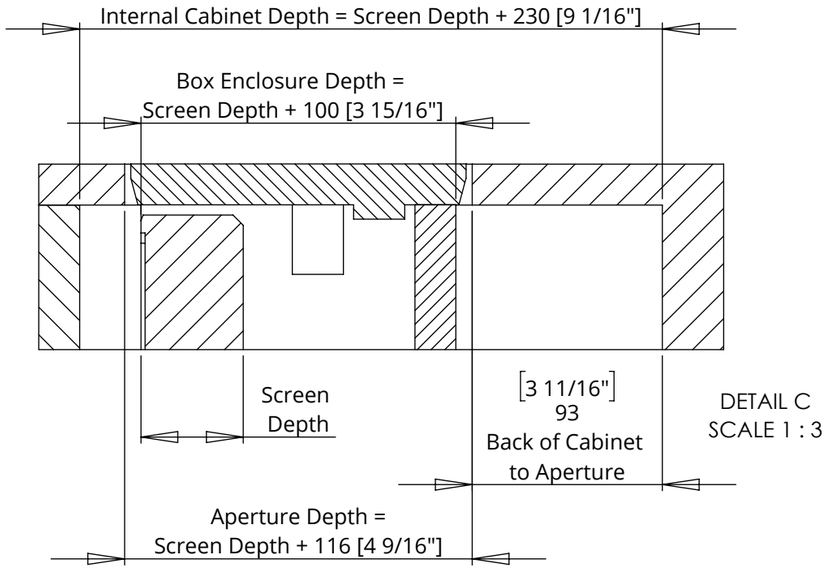
TSLM-3
TELESCOPIC SCREEN LIFT MEDIUM

CABINET SIZING

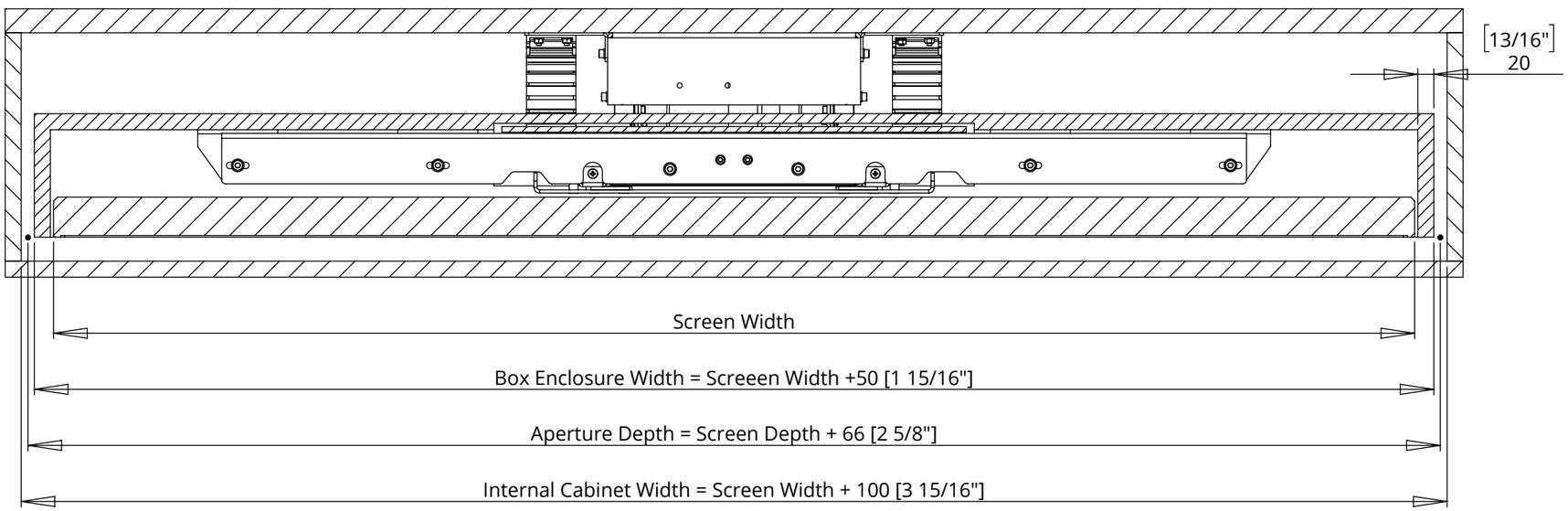
All sizing calculations are based off a 20mm [0.79"] box enclosure panel thickness. Any increases in this thickness will increase the required space.

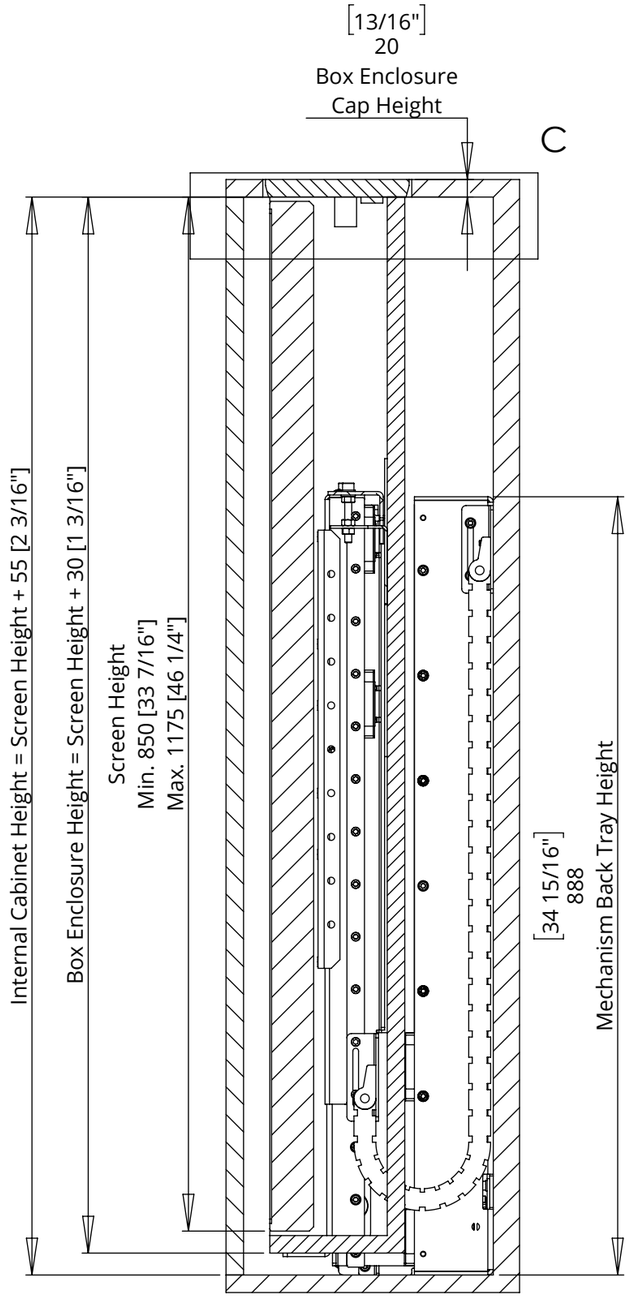


SECTION B-B
SCALE 1 : 7



DETAIL C
SCALE 1 : 3





SECTION A-A
SCALE 1 : 7

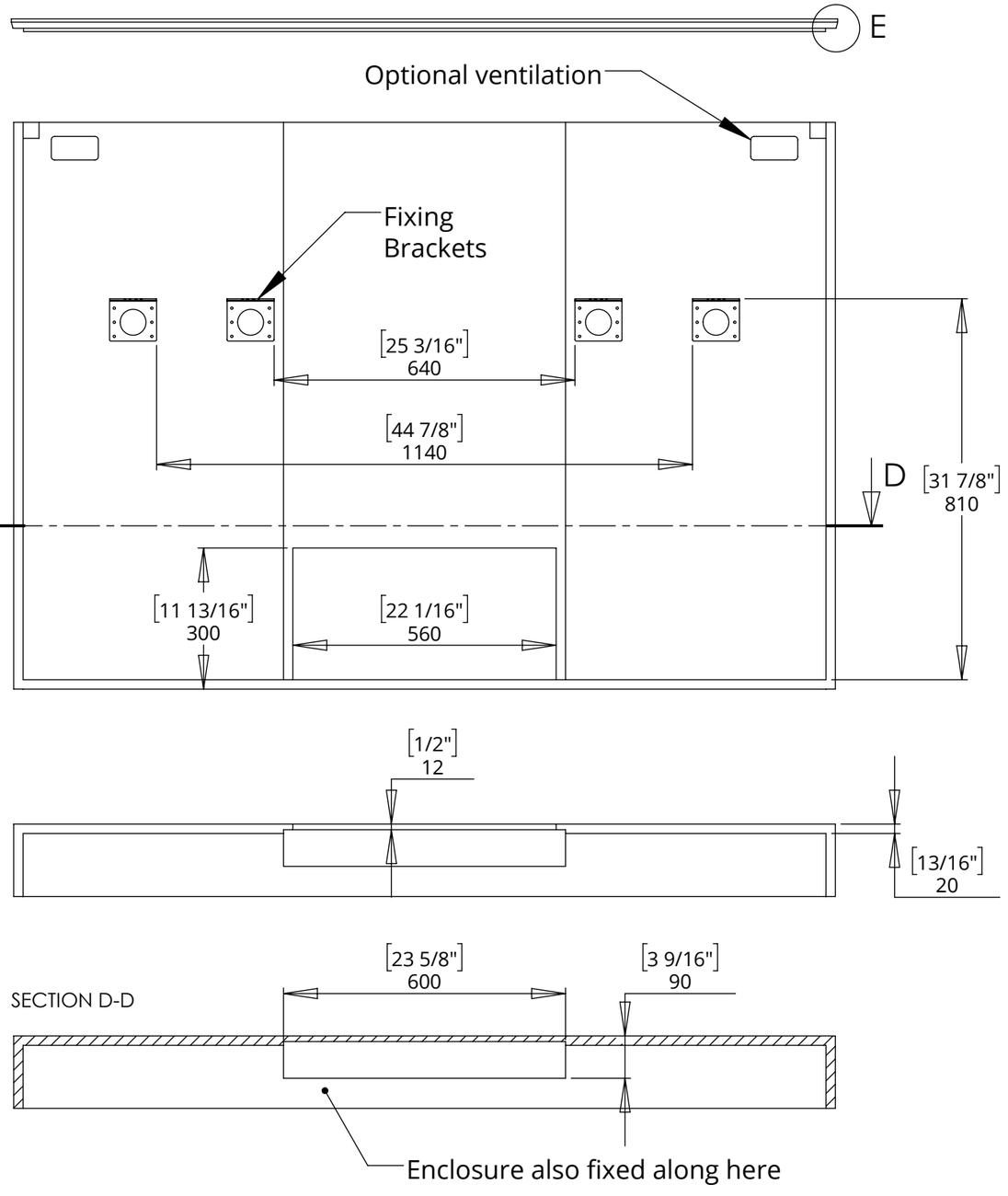
UK +44 (0) 1438 833577 **US** +1 (603) 742 9181
www.**FUTUREAUTOMATION**.NET

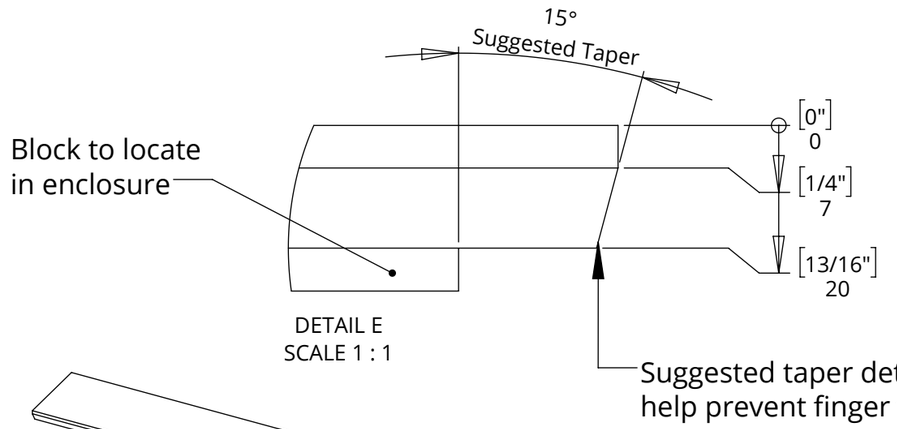
TECHNICAL SHEET
ISSUE 003
SHEET 4

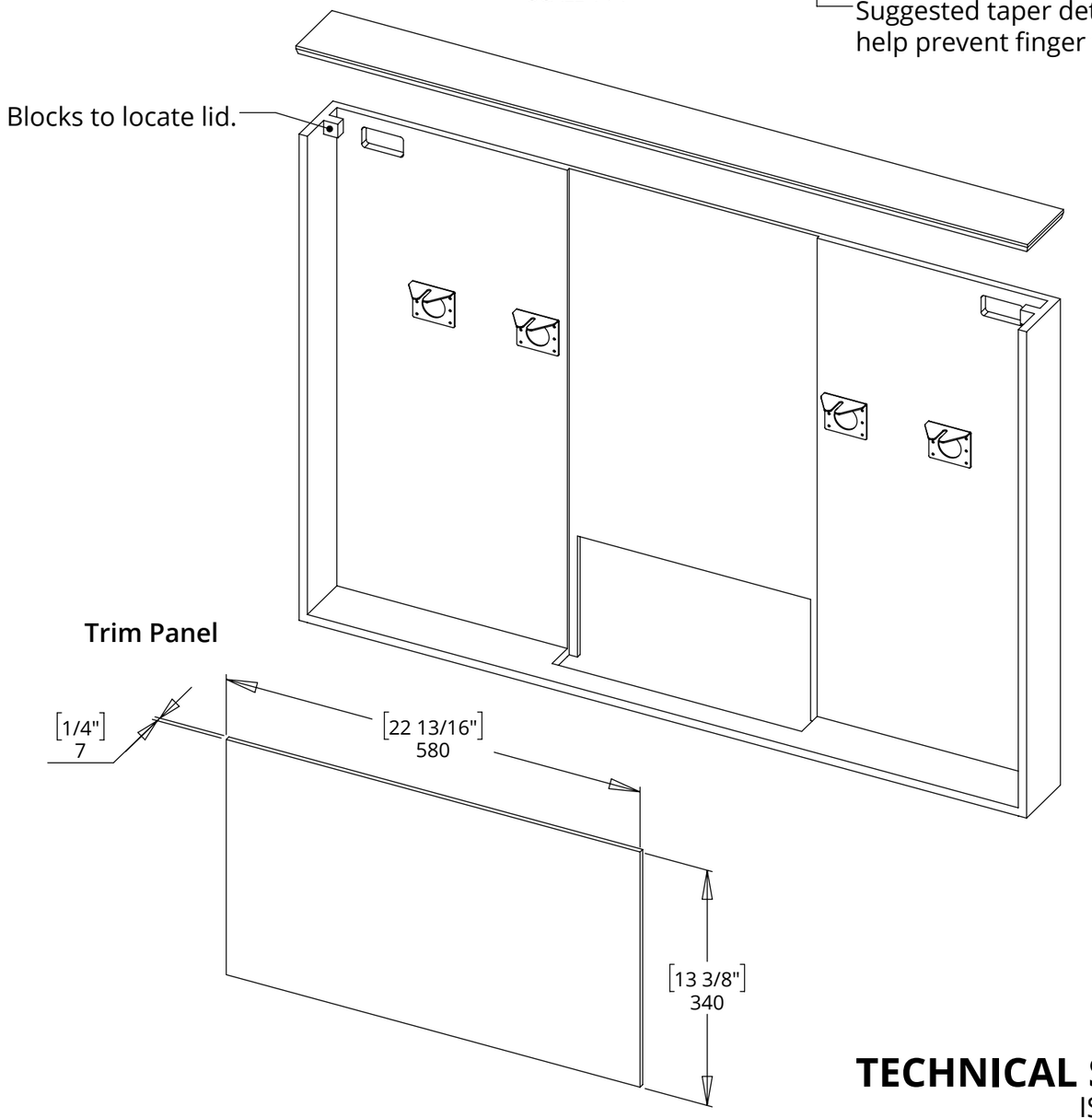
TSLM-3
TELESCOPIC SCREEN LIFT MEDIUM

BOX ENCLOSURE DETAILING

The Screen, Enclosure, Lid and the Trim panel must weigh no more than **75Kg**.







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

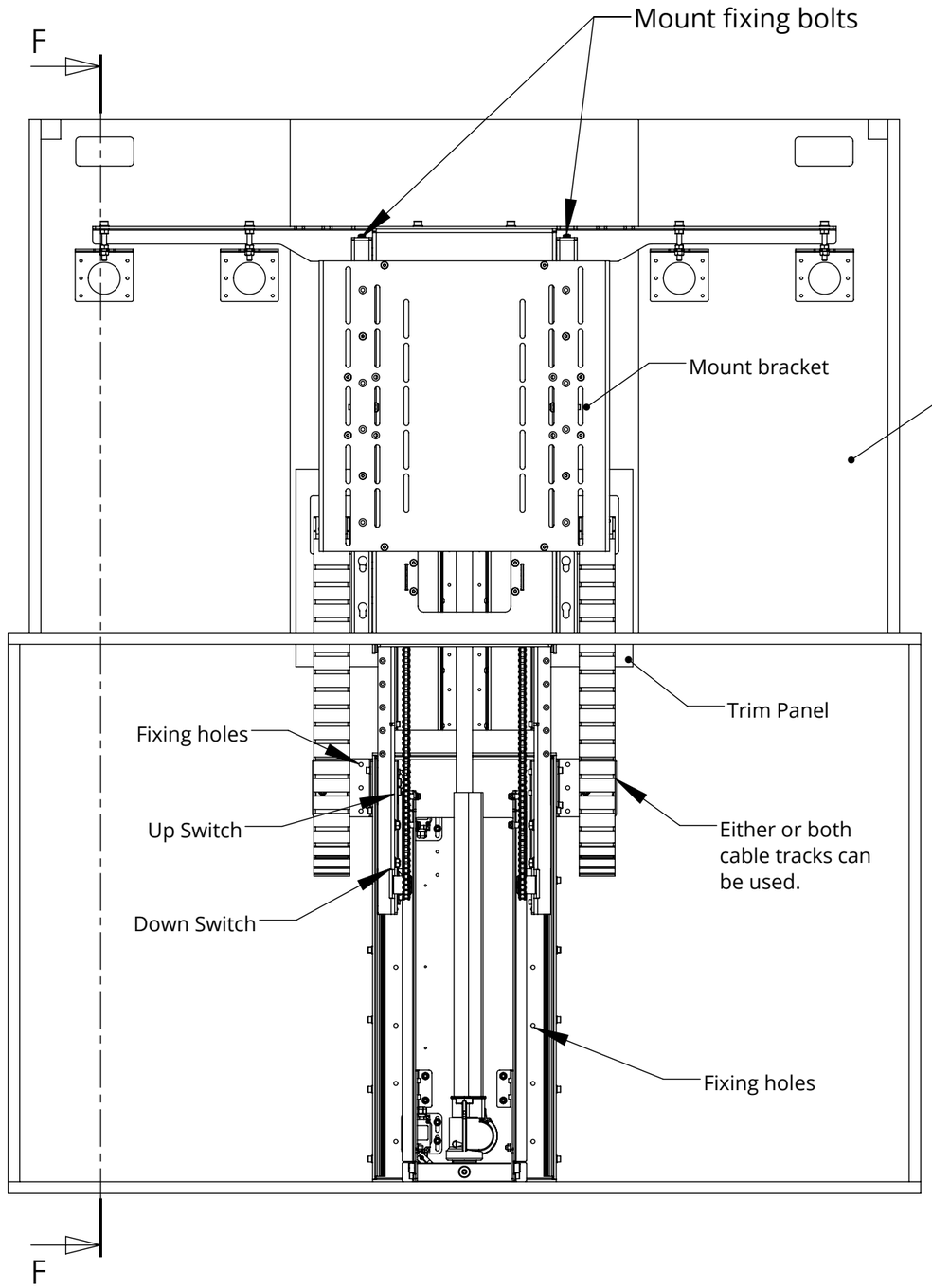
TECHNICAL SHEET
ISSUE 003
SHEET 5

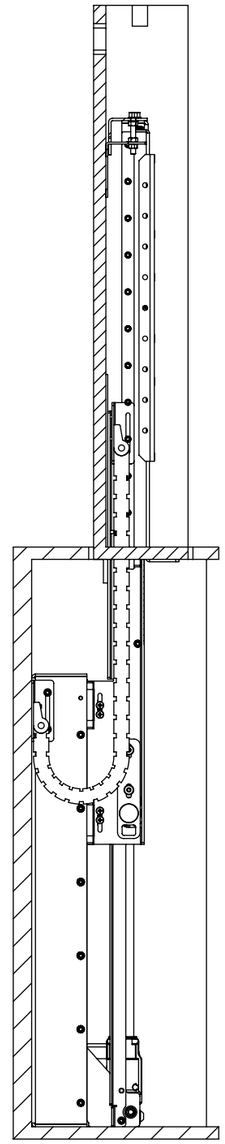
TSLM-3
TELESCOPIC SCREEN LIFT MEDIUM

INSTALL INSTRUCTIONS

Check that the cabinet, enclosure, lid and the trim panel are made to the details shown on the previous pages.

- You can stand the mechanism up on its base to test it before putting in the cabinet. See control document for details. Use the IR remote with caution and always cover the STOP button in case of issues.
- Centrally fix the mechanism to the back of the cabinet in the places shown.
- Run up and down and then add the enclosure.
- Adjust the position of the enclosure and adjust the up and down switches with caution. Temporarily add lid to check height.
- Run screen cables up into enclosure. Secure cables as they enter and leave the cable tracks with cable ties. Make sure no cables can get tangled or caught as the mechanism moves.
- Add trim panel. And adjust. This trim panel moves up into position as the TV lifts. Observe this movement and understand it before fixing.
- The upright plate can be adjusted in height by moving it to a different set of keyholes. Fix the plate to the back of the screen and mount to mechanism using the keyholes. Ensure the plate is secured using the fixing bolts located at the top of the keyhole plates.
- Check movement with screen with caution.





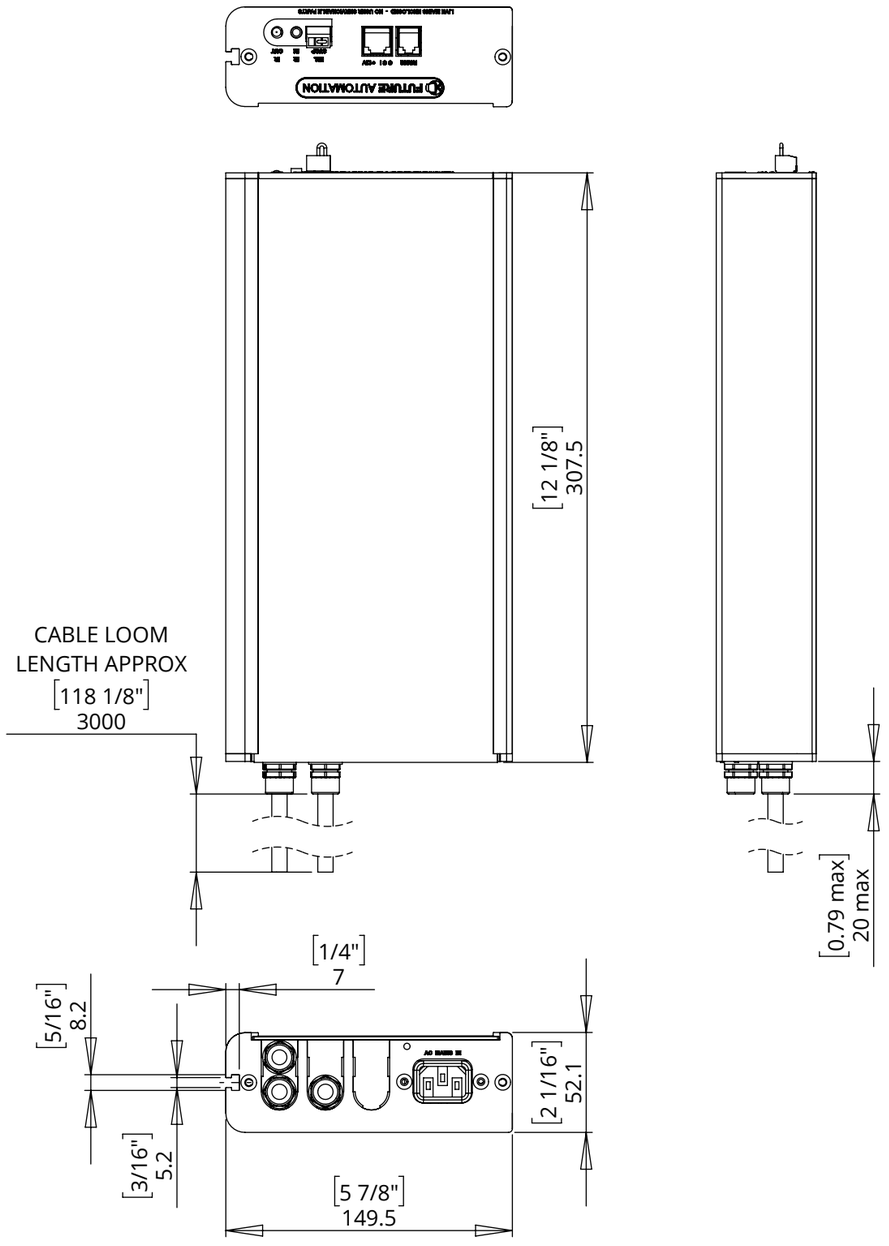
SECTION F-F

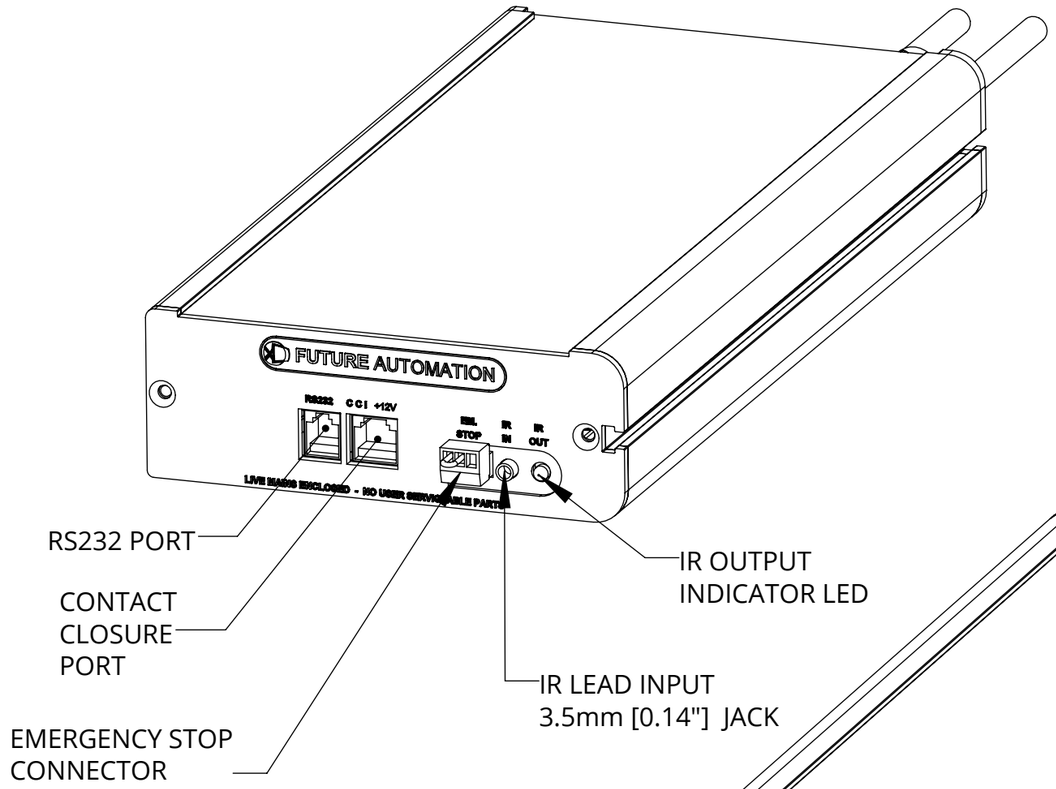
UK +44 (0) 1438 833577 **US** +1 (603) 742 9181
www.**FUTUREAUTOMATION**.NET

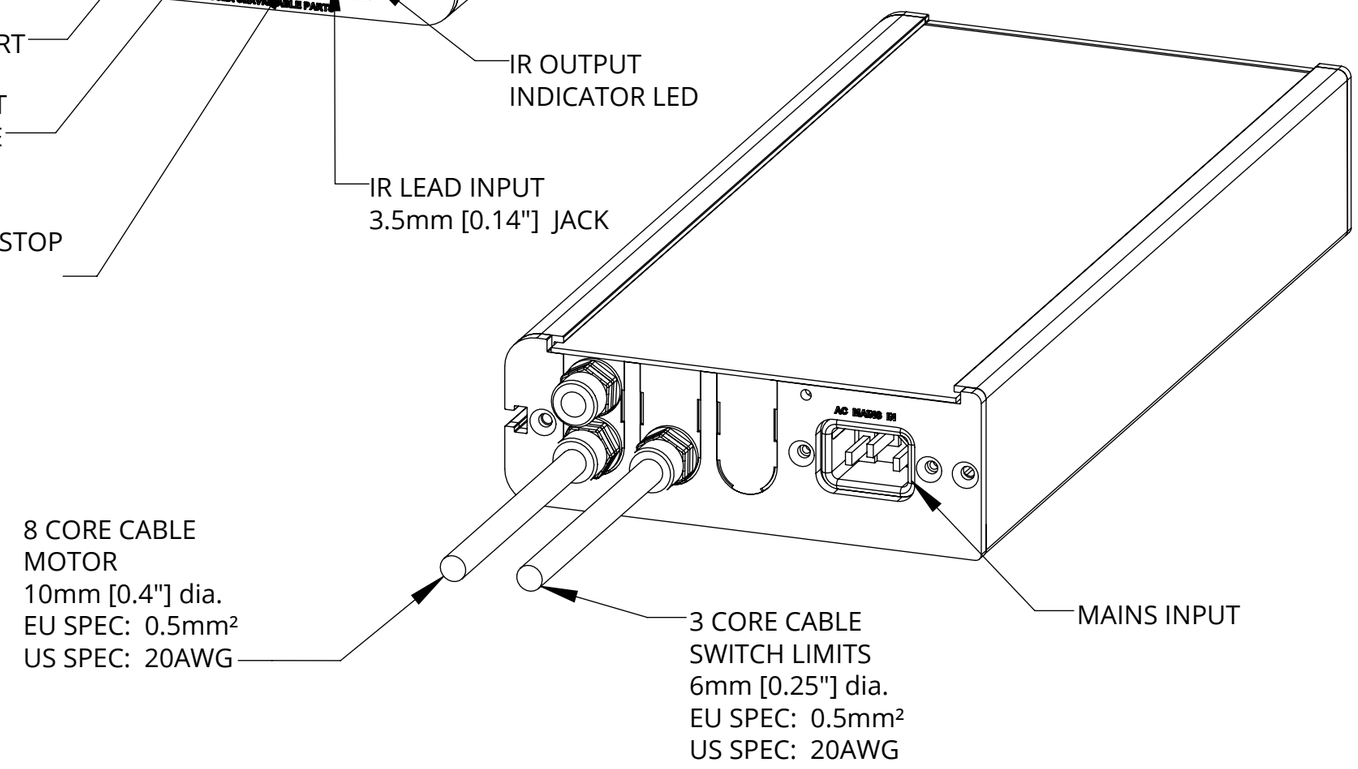
TSLM CONTROL BOX

CONTROL BOX FOR TELESCOPIC SCREEN LIFT

future automation







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 001
SHEET 7

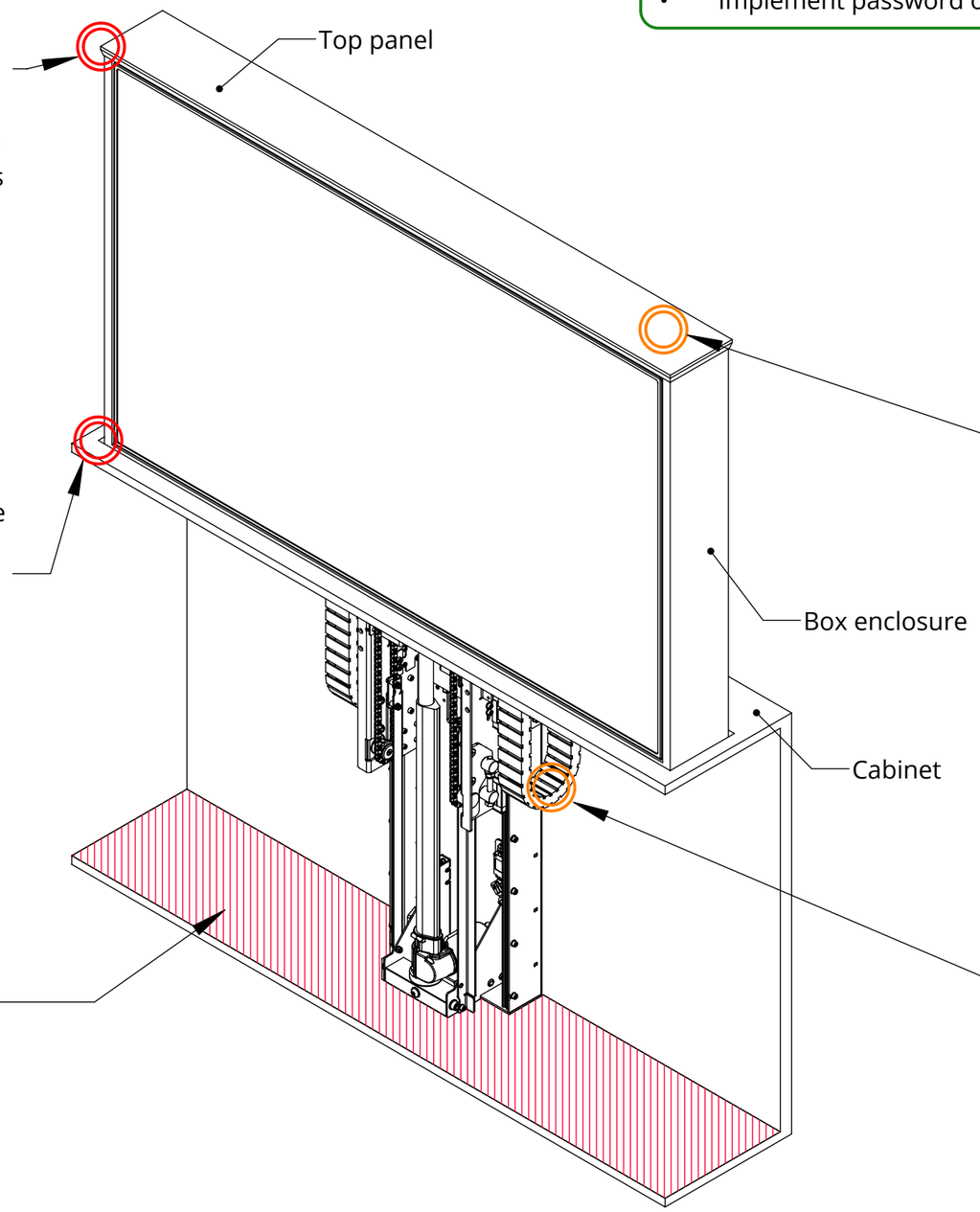
TSLM
TELESCOPIC SCREEN LIFT MEDIUM

INTEGRATION CONSIDERATIONS

General Mitigations:
- Implement a hold to run/dead man switch operation.
- Control methods should be located within direct line of site of the mechanism.
- Implement password or key switch protected operation.

High Risk - Crush Hazard
Crush hazard between the top panel and the cabinet top as the lift closes.

Mitigation
The top panel can also be floating/not permanently fixed to allow vertical movement if an obstruction is caught between it and the cabinet top. Keep all shadow gaps to a minimum (no smaller than 3mm [1/8"]) to reduce the risk of obstruction.



Low Risk - Falling Objects Hazard
Falling objects hazard if items are left on the top panel.

Mitigation
See general mitigations.

High Risk - Crush Hazard
Crush hazard between the cabinet top and the base panel when the mechanism is opening.

Mitigation
Keep all shadow gaps to a minimum (no smaller than 3mm [1/8”]) to reduce the risk of obstruction.

High Risk - Crush Hazard
Crush hazard below the mechanism when mechanism is closing.

Mitigation
Ensure area below the mechanism is kept clear at all times when the mechanism is being used. If installing or maintaining the mechanism do so with the mechanism turned off.

Low Risk - Cable Snagging Hazard
Cables could be snagged if not properly managed through and around the mechanism, causing damage to the mechanism and electronics.

Mitigation
Ensure sufficient cable slack is allowed around movement joints to prevent stretching and/ or damage to the cables and/ or mechanism.

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