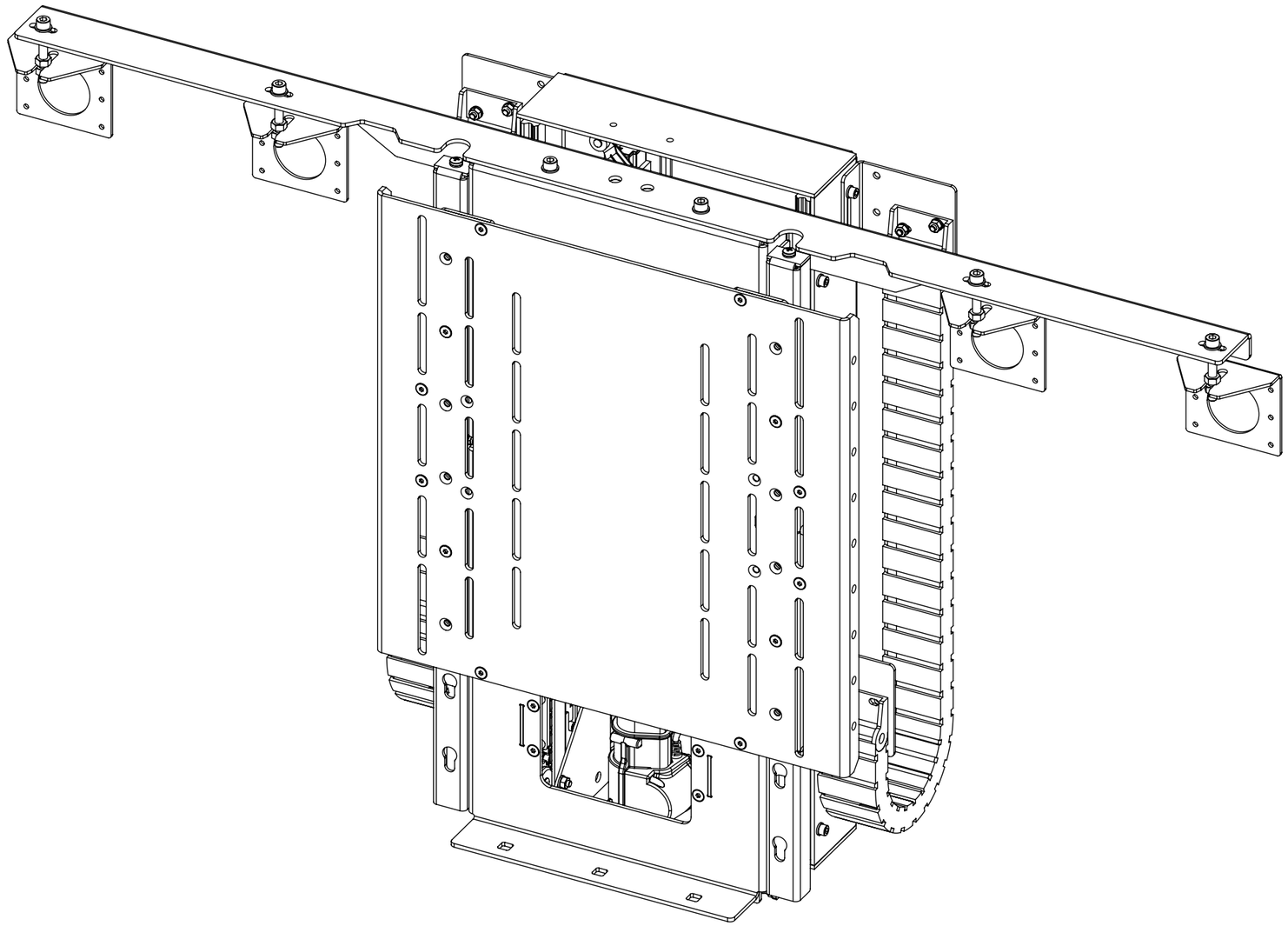
# TSLM-2
## TELESCOPIC SCREEN LIFT MEDIUM

future automation



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ISSUE 003
SHEET 1

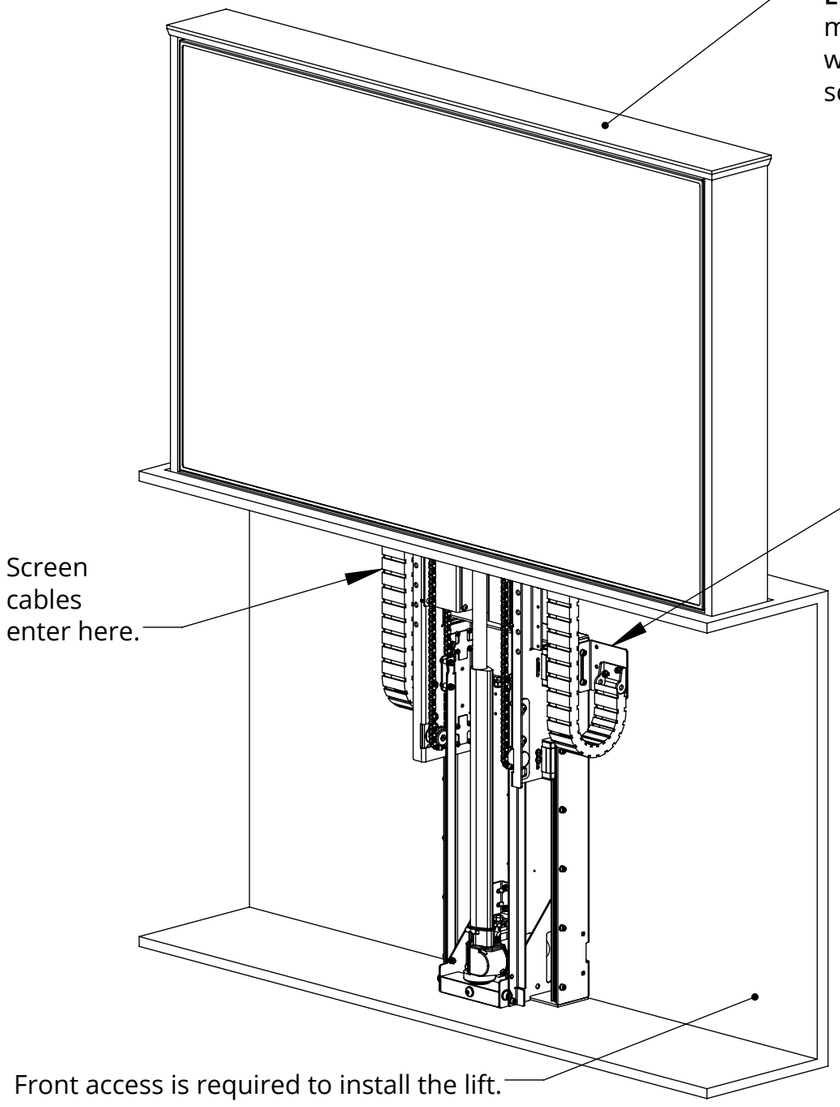
# TSLM-2
## TELESCOPIC SCREEN LIFT MEDIUM

future automation

| SPECIFICATION | MEASUREMENTS |
|---|---|
| Product Dimensions | 742mm (29 3/16") x 1280mm (50 3/8") x 240mm (9 7/16") |
| Minimum Screen Height | 695mm (27 3/8") |
| Maximum Screen Height | 875mm (34 7/16") |
| Minimum Screen Width | 1280mm (50 3/8") - (Lower Width option available apon request) |
| Maximum Weight Capacity (Screen + Enclosure) | 75Kg (165lb) |
| Product Weight | 40Kg (88lb) |
| 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-2
# 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**.

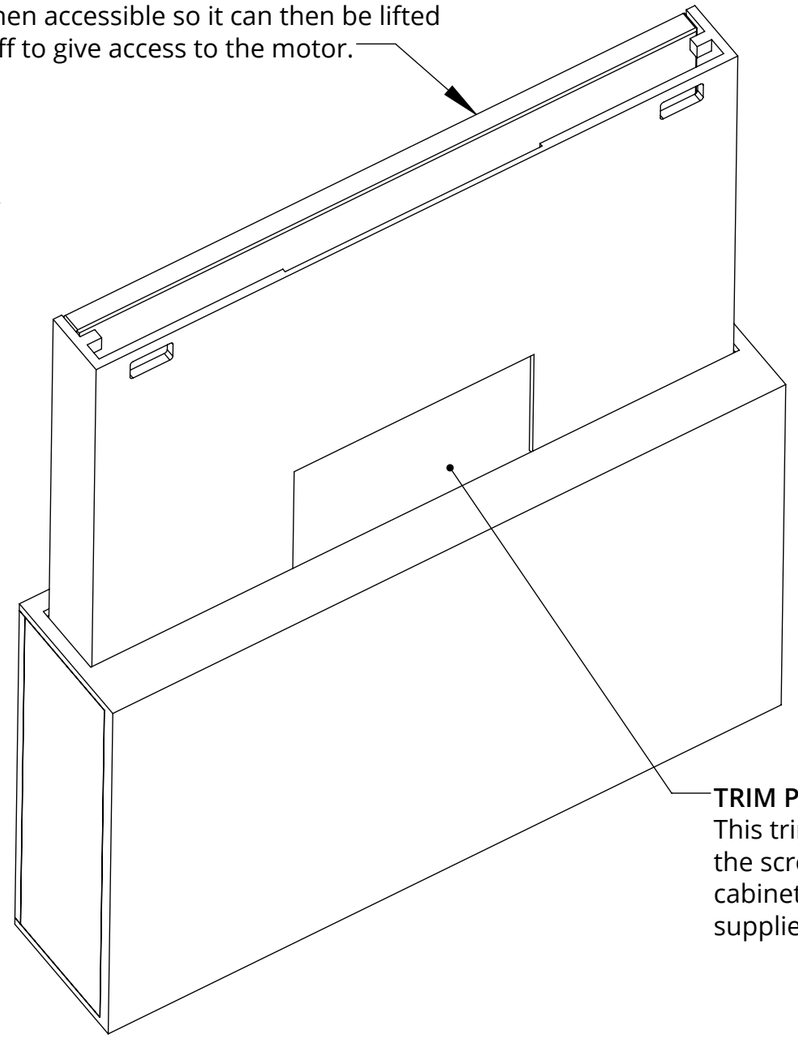
Screen cables enter here.

Screen cables enter here.

Front access is required to install the lift.

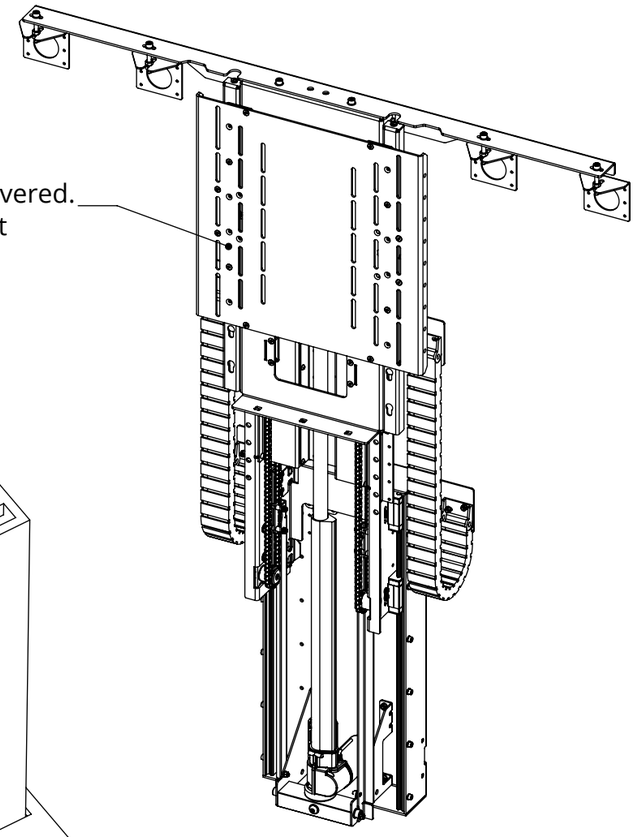
Allow 20mm+ in front of the screen if the mechanism is to be partially sunk below floor level.

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.

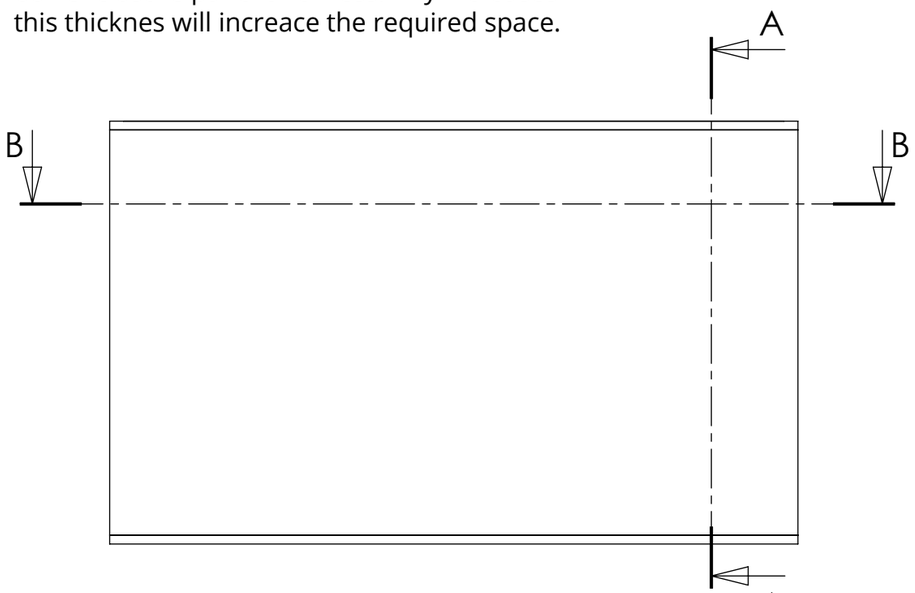
VESA 200, 300 & 400 mounting patterns covered. Bracket has full height adjustment .



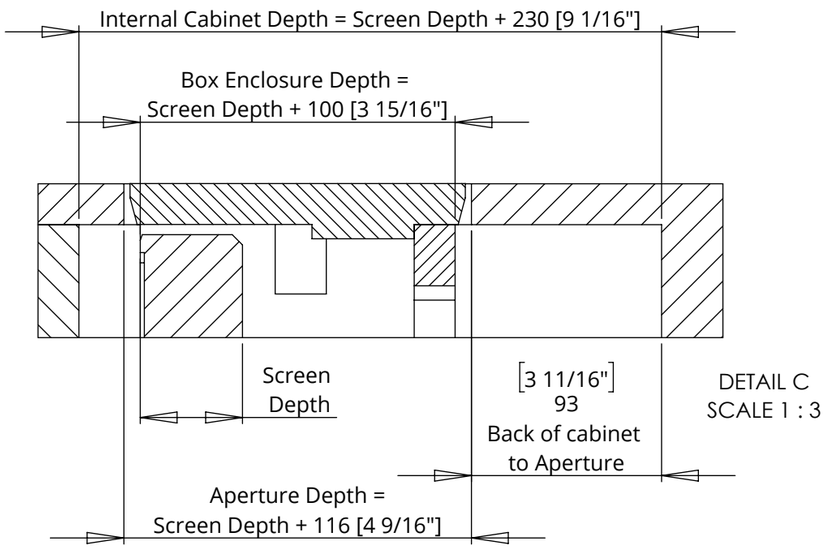
# TSLM-2
# TELESCOPIC SCREEN LIFT MEDIUM

## CABINET SIZING

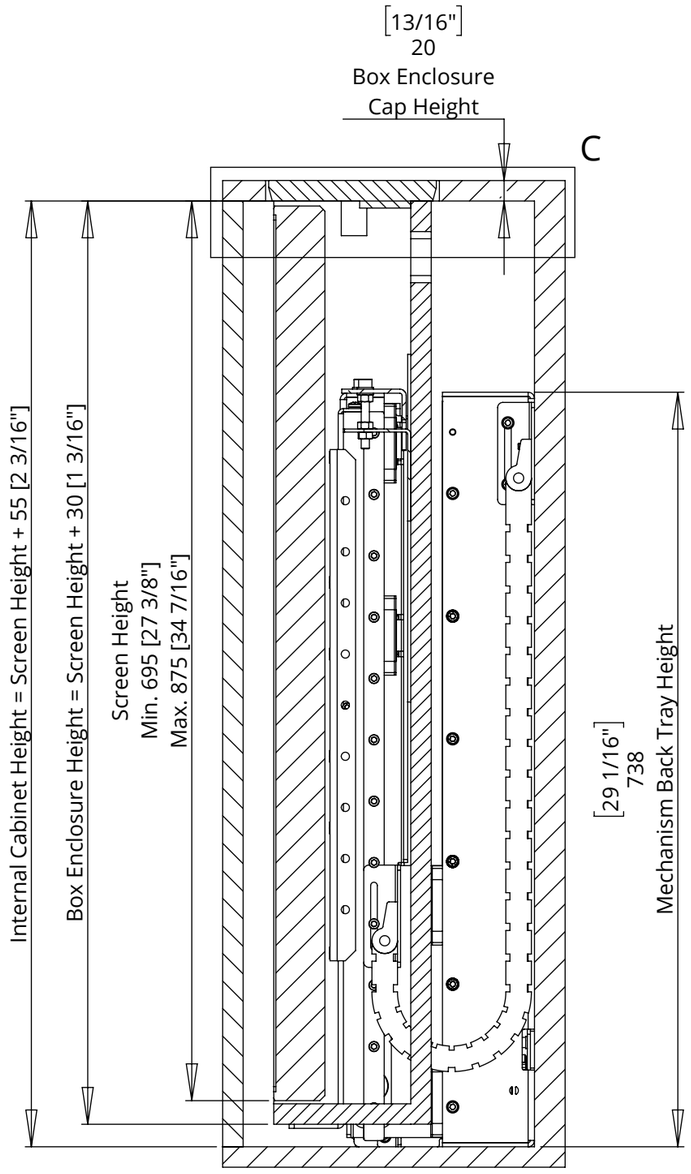
All sizing calculations are based off a 20mm [0.79"] box enclosure panel thickness. Any increases in this thicknes will increace the required space.



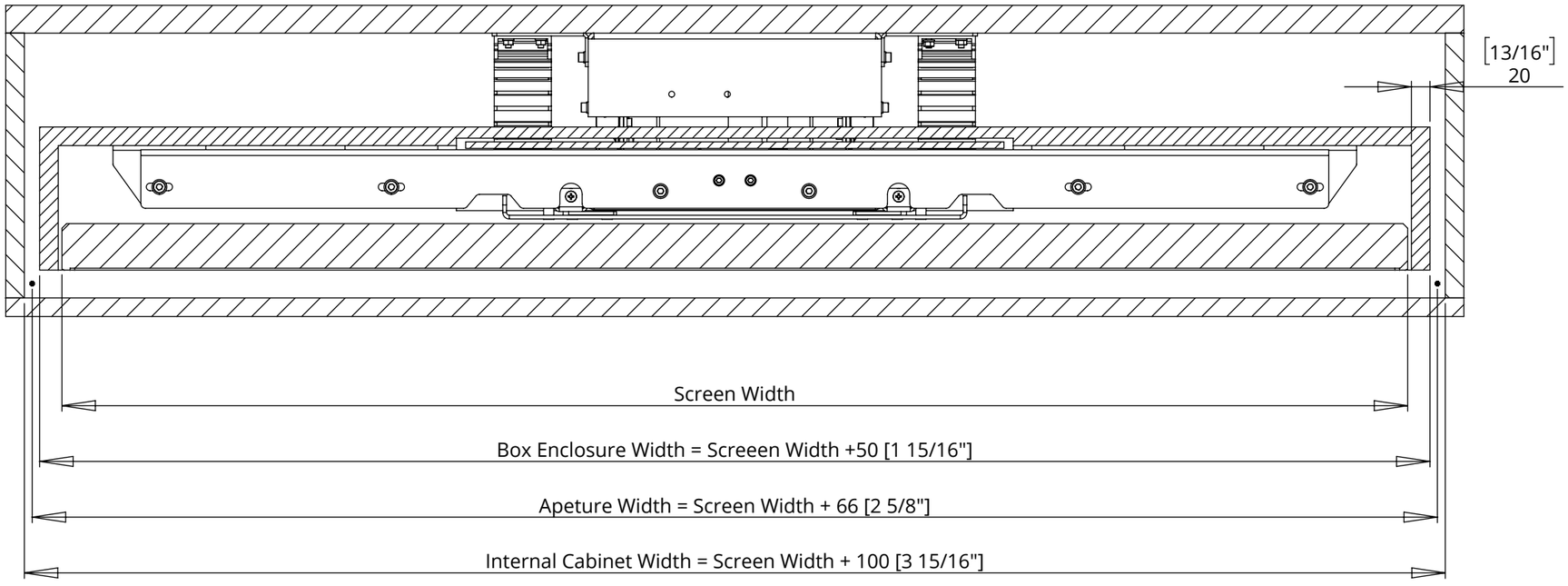

SECTION B-B
SCALE 1 : 6




DETAIL C
SCALE 1 : 3




SECTION A-A
SCALE 1 : 6




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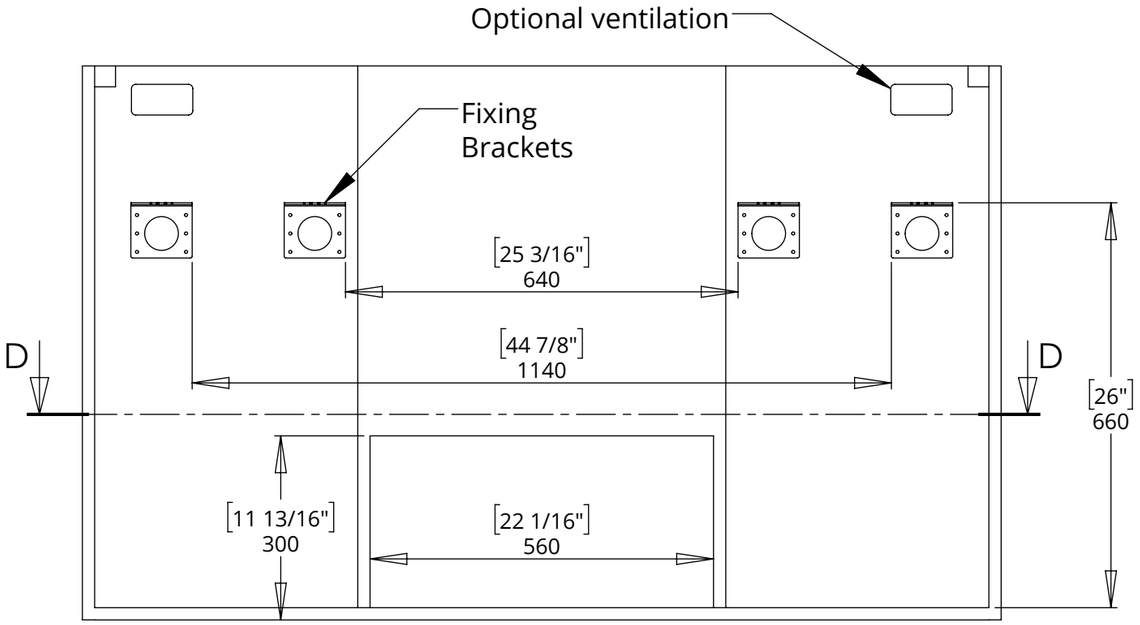
**TECHNICAL SHEET**
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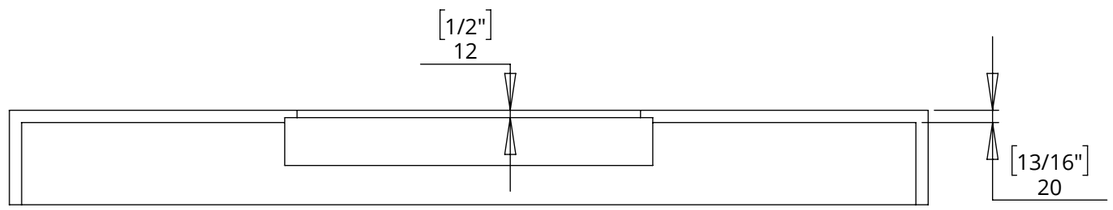
# TSLM-2
# TELESCOPIC SCREEN LIFT MEDIUM

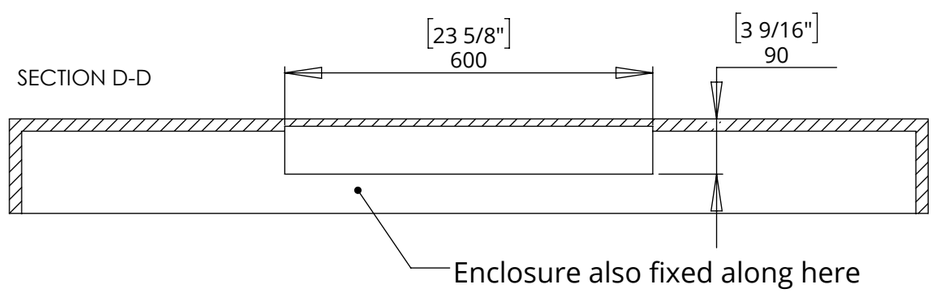
## BOX ENCLOSURE DETAILING

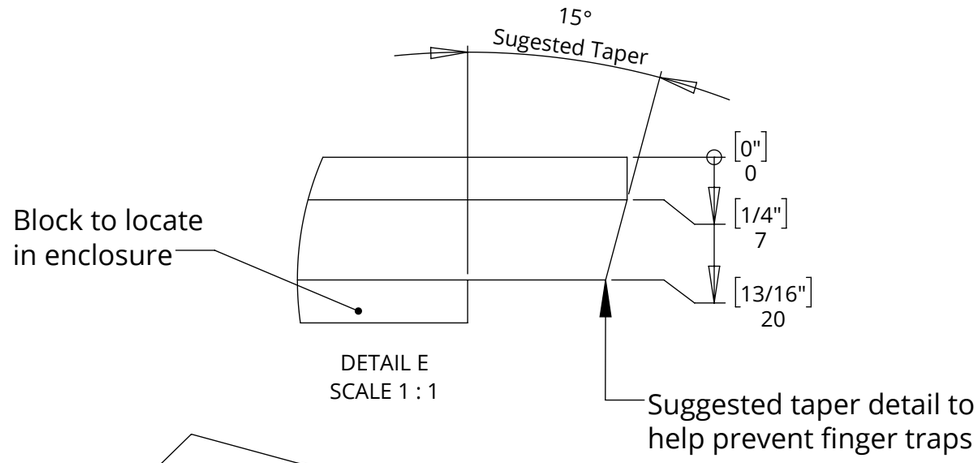
The Screen, Enclosure, Lid and the Trim panel must weigh no more than **75Kg**.

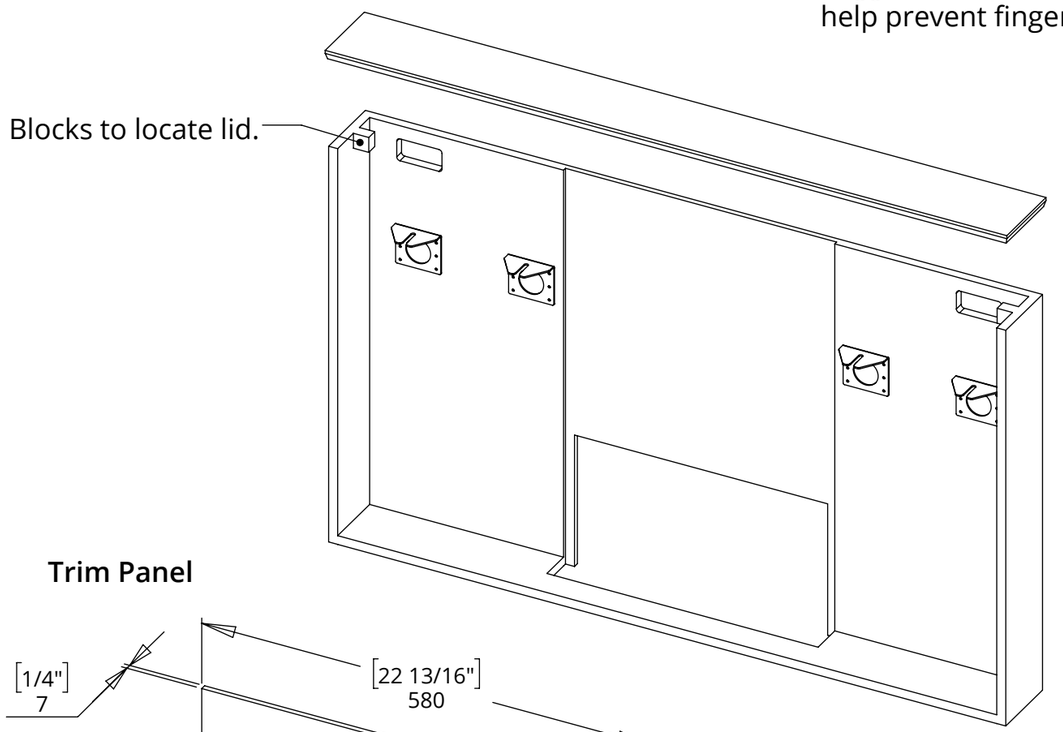


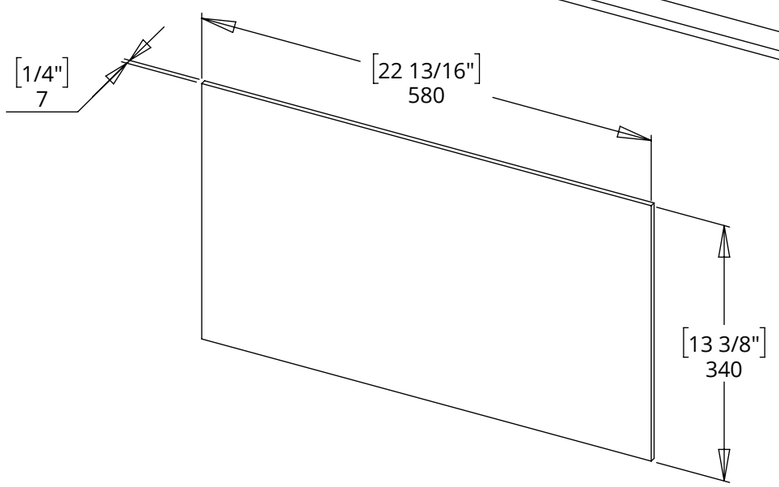




**Trim Panel**



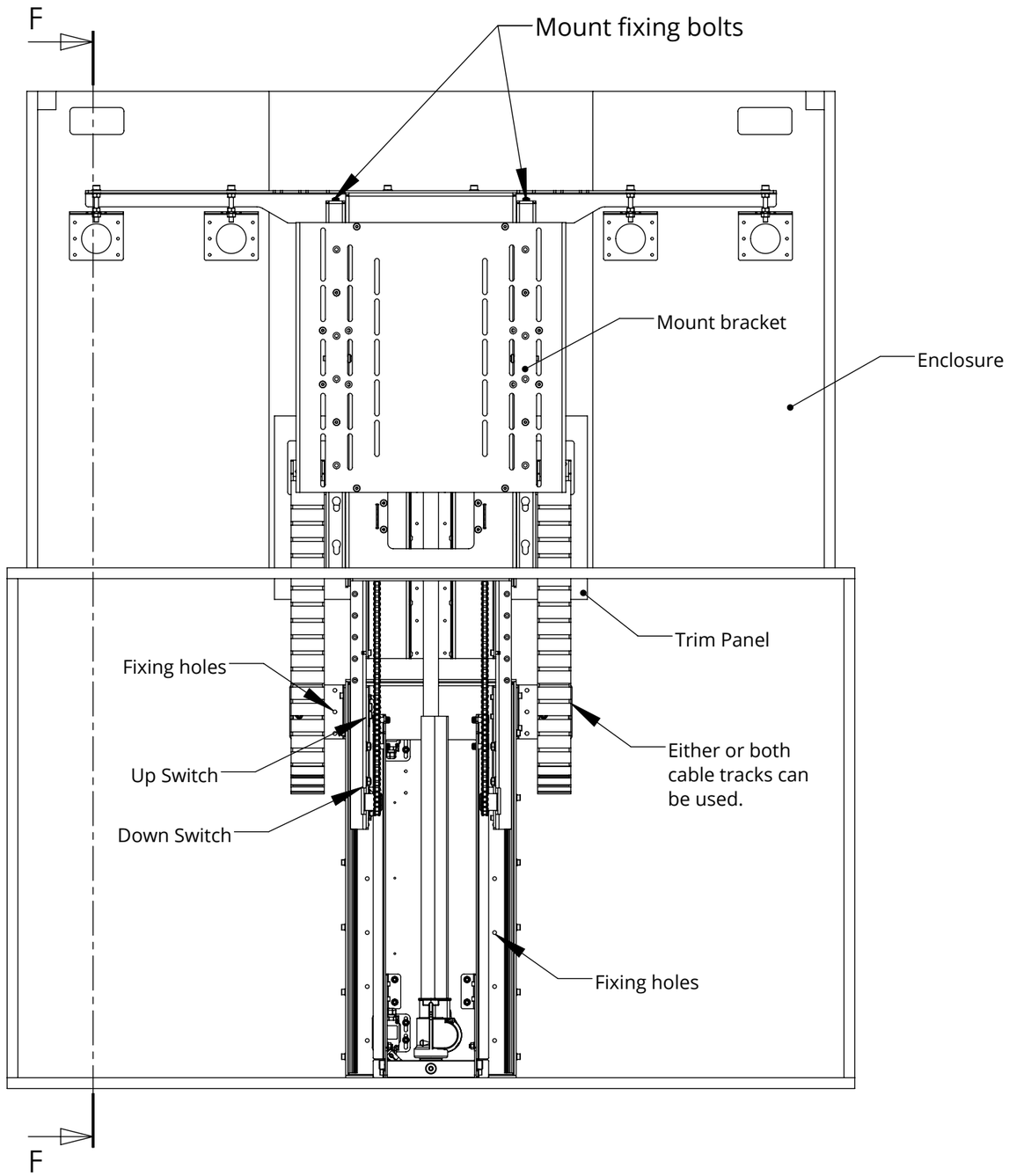

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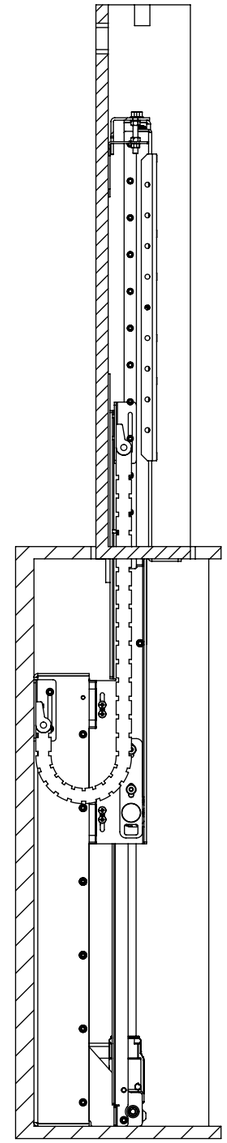
**TECHNICAL SHEET**
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SHEET 5

# TSLM-2
# 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.



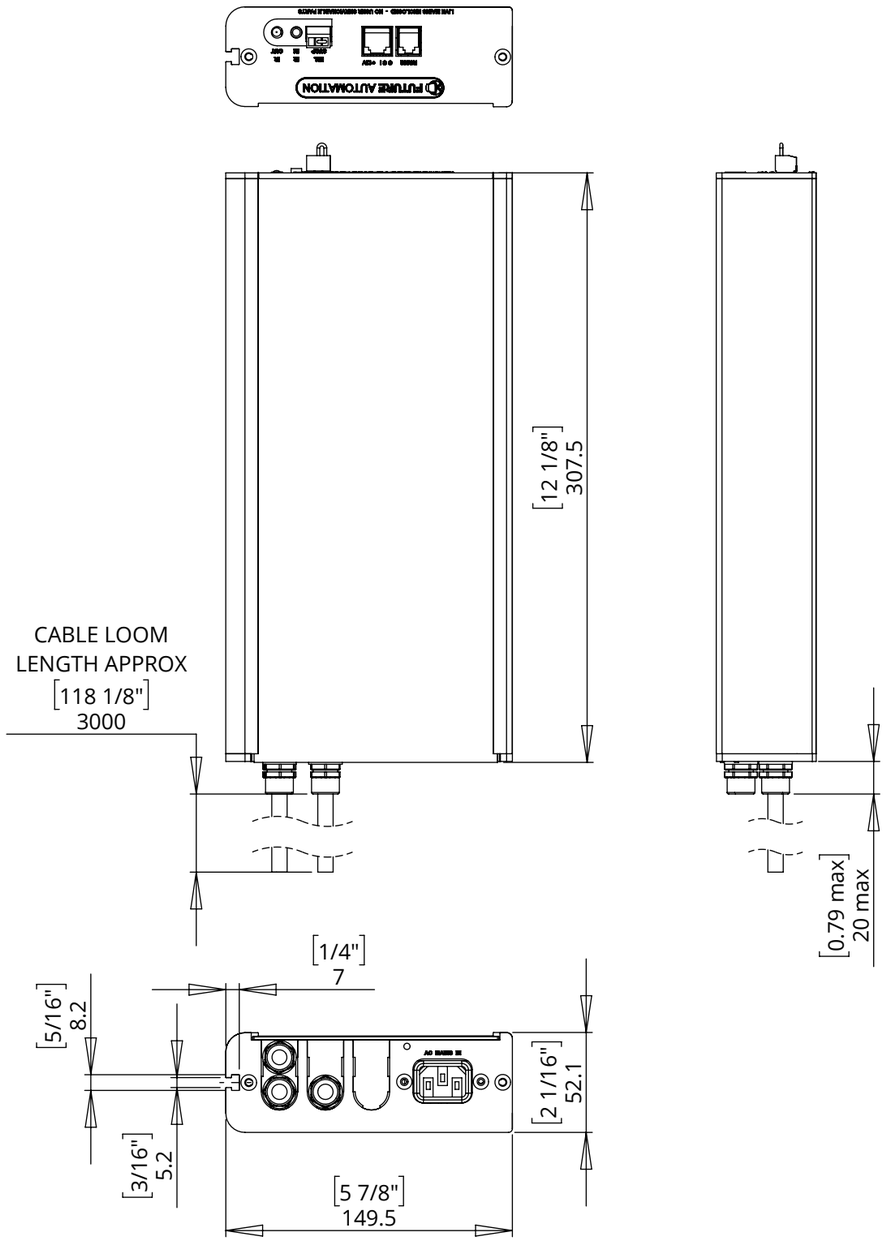



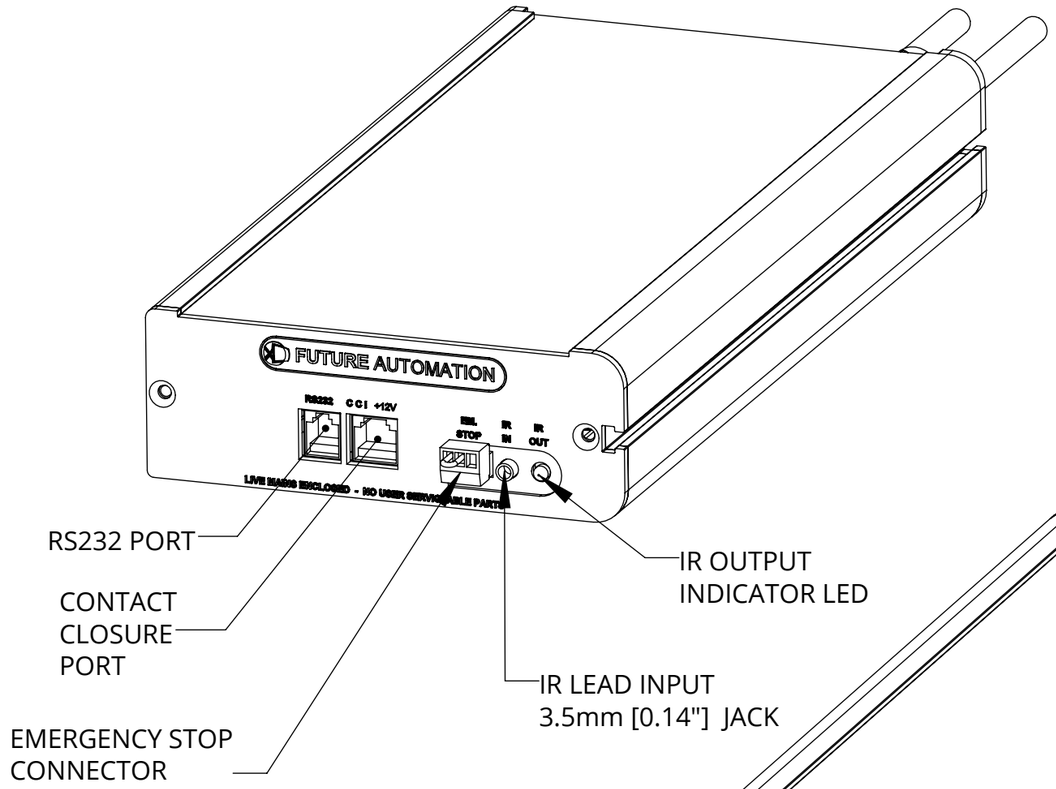
SECTION F-F

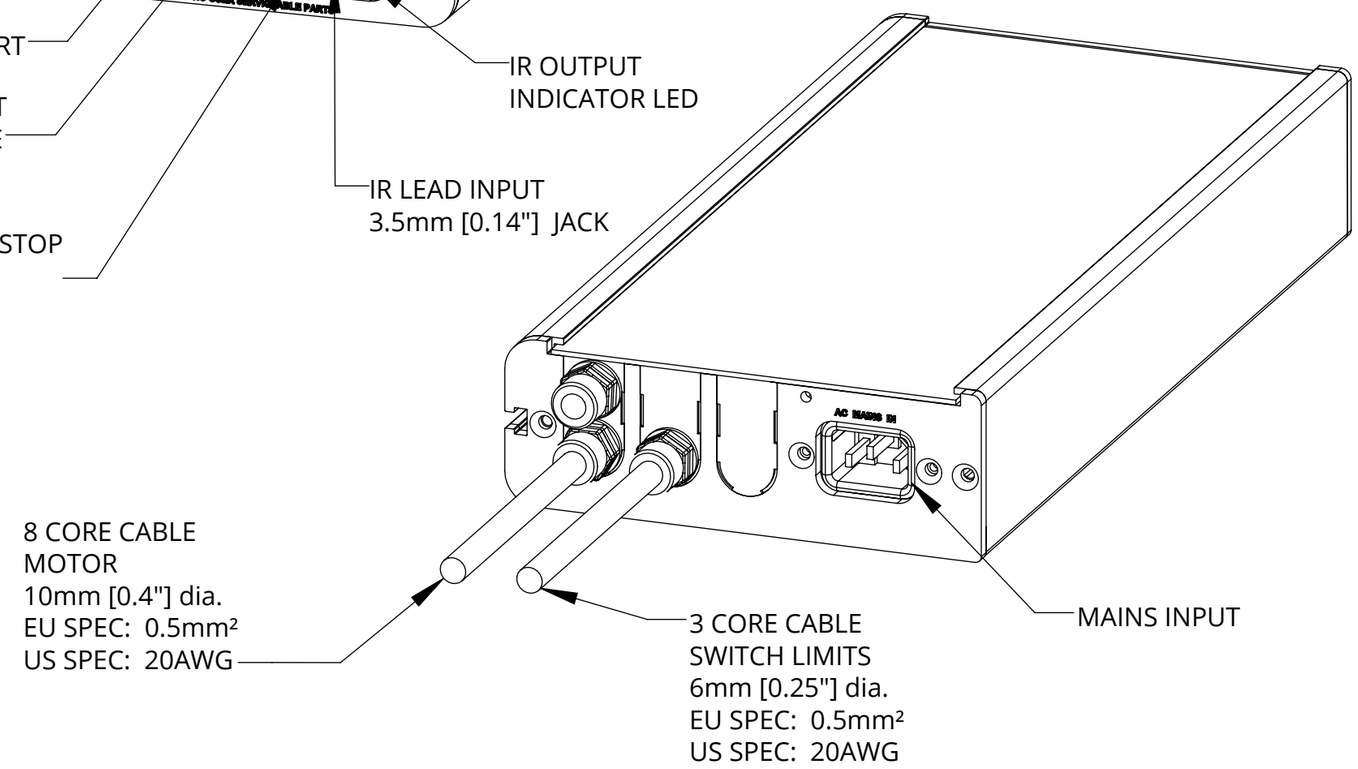
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# TSLM CONTROL BOX

## CONTROL BOX FOR TELESCOPIC SCREEN LIFT




**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"].

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**TECHNICAL SHEET**
ISSUE 001
SHEET 7

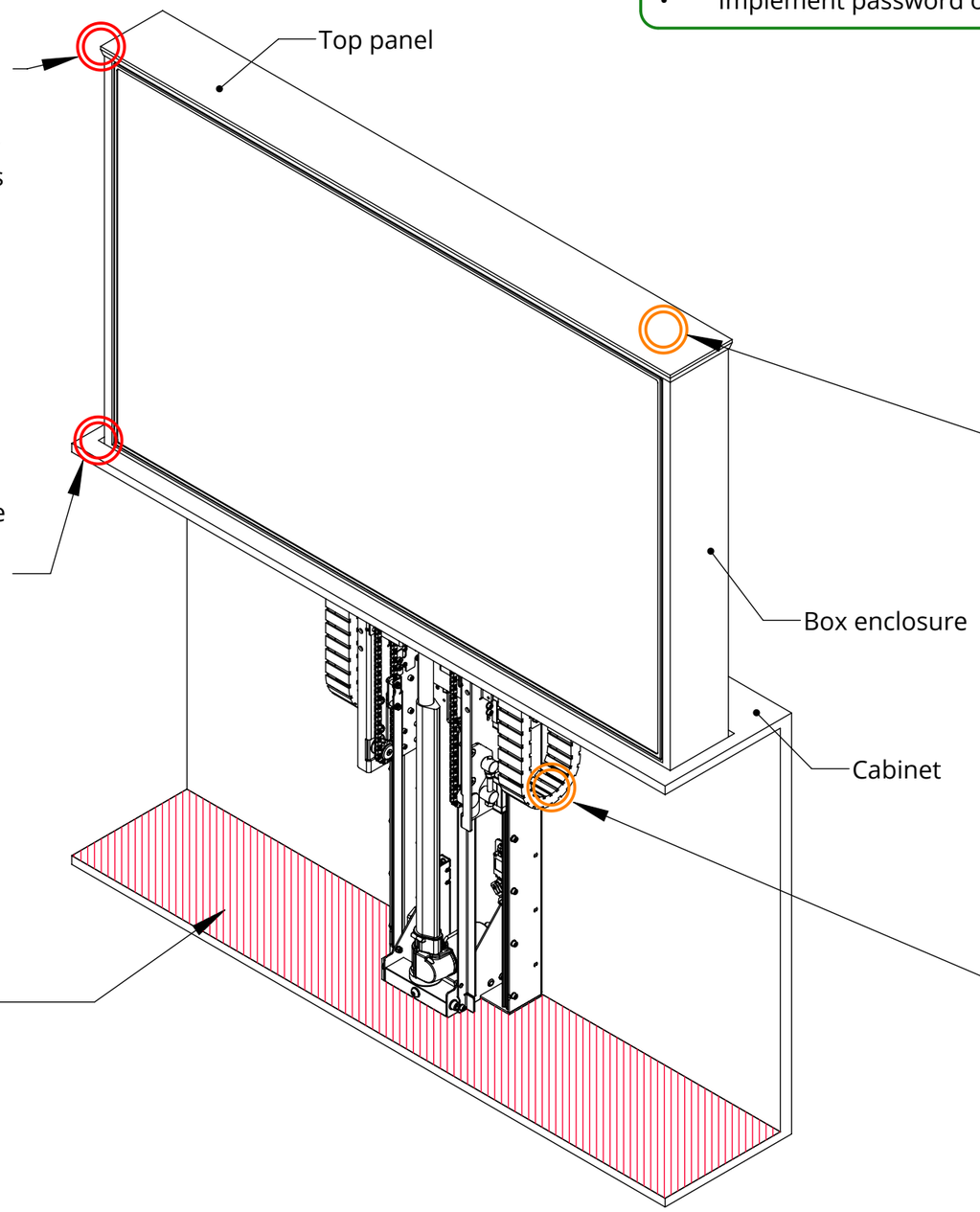
# TSLM
# TELESCOPIC SCREEN LIFT MEDIUM

## 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.

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