TSL-H - Telescopic Screen Lift - SONY FW85

Technical Sheet

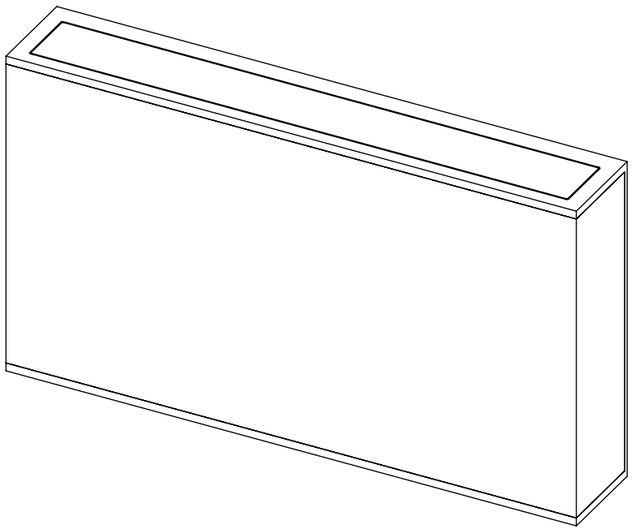
DESIGN HIGHLIGHTS

- Quiet smooth fast action with variable speed motion
- Full cable management
- Wide range of mounting options.
- As height efficient as possible.
- Marine Suitable.

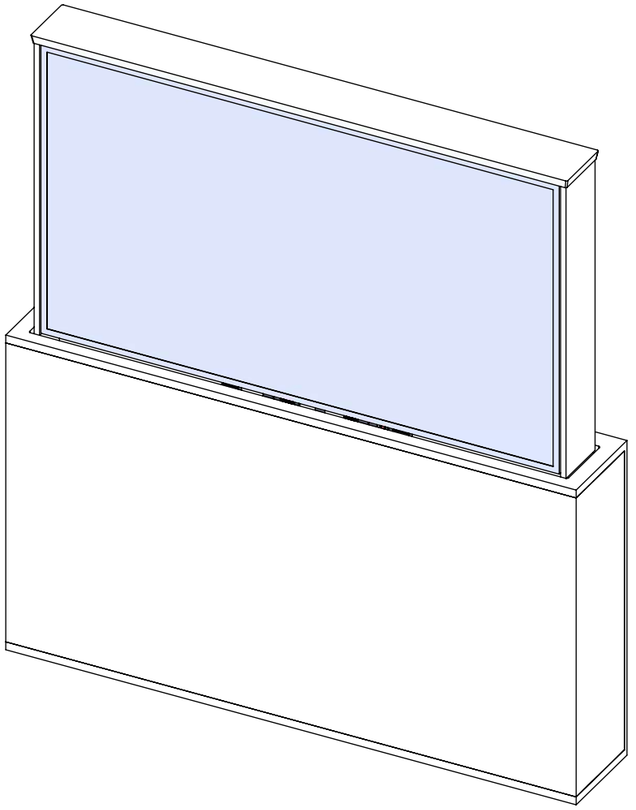
OPTIONS

- Outdoor Option.
- Medium Duty version.

DOWN



UP



FUNCTION

An electric mechanism to lift a screen out of a cabinet. Custom made to suit screen size. It is designed to keep all the mechanism behind the screen to save in cabinet height.

SUITABILITY

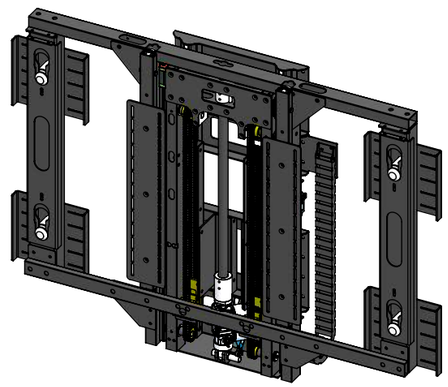
This TSL has been sized for a SONY BRAVIA FW-85BZ35F screen. 1911 x 1098 x 73.

Maximum weight for this mechanism is a screen of 60Kg and an enclosure and lid weight of 40Kg. Absolute maximum.

CONTROL

Supplied with basic infrared remote. Can be learnt by many learning remotes.

Also has switch control and RS232 so can be operated by relays, switches, Crestron / AMX or Lutron systems.



Mechanism as supplied.

WARNING

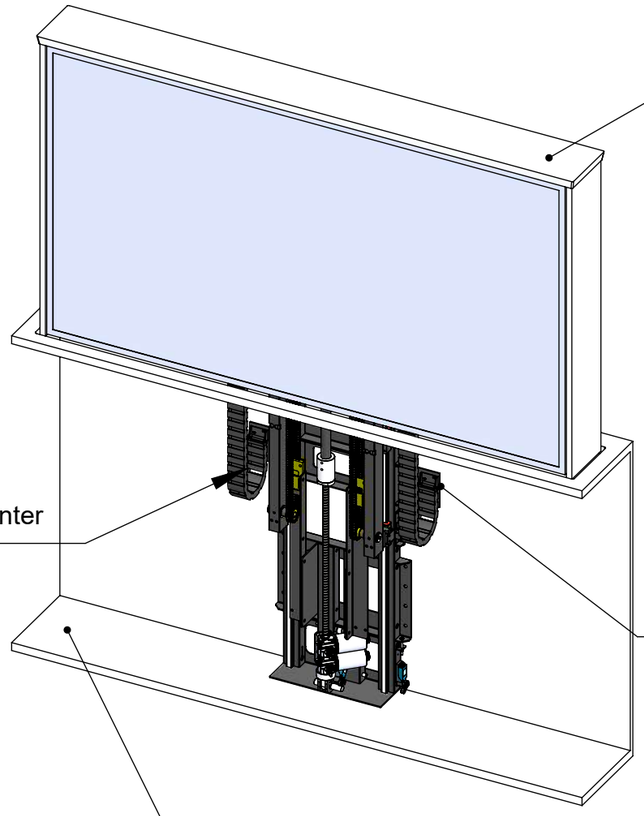
It is the responsibility of the installer to warn all potential end users of the dangers of interfering with mechanisms during operation

IMPORTANT

Mechanisms which lift or move weights need to be checked on a yearly basis for any damage which may result in an accident

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LID and ENCLOSURE - To be made by others. Total allowable weight for all timber work and lid is 40Kg.

Screen cables enter here

Screen cables enter here

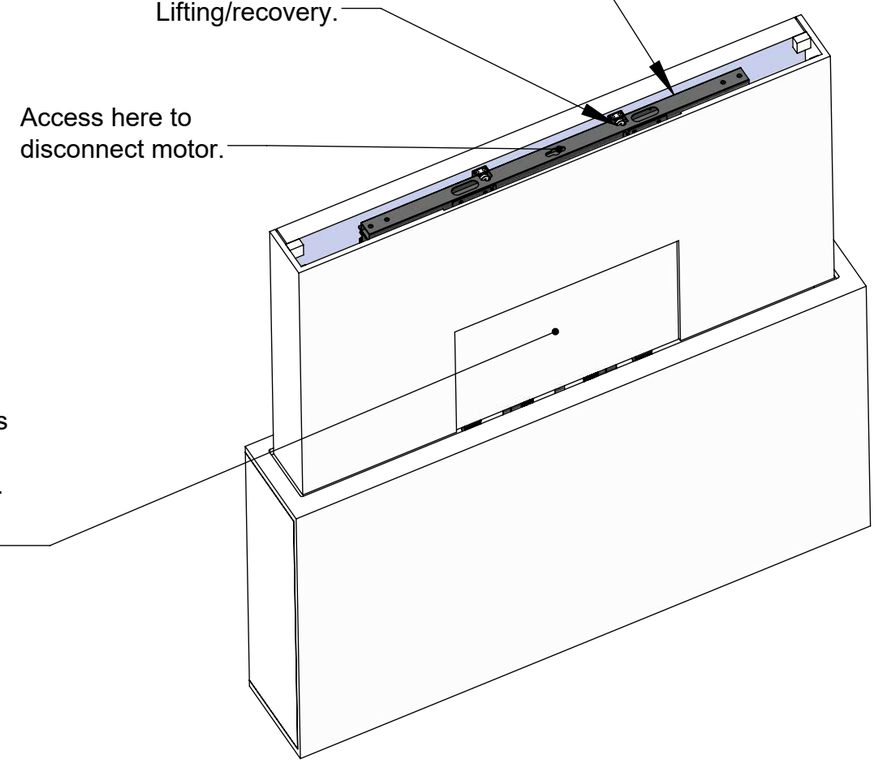
Front access is required to install the lift.

Allow 25mm 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. The fixings for the screen are at the top here so it can then be lifted off. The drive to the motor can also be disconnected here allowing the screen and mechanism to be manually lifted.

Lifting eyes can added here to assist in manual Lifting/recovery.

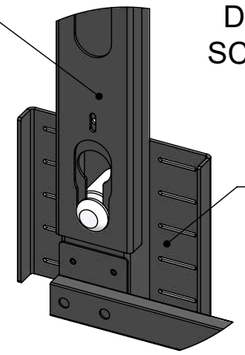
Access here to disconnect motor.



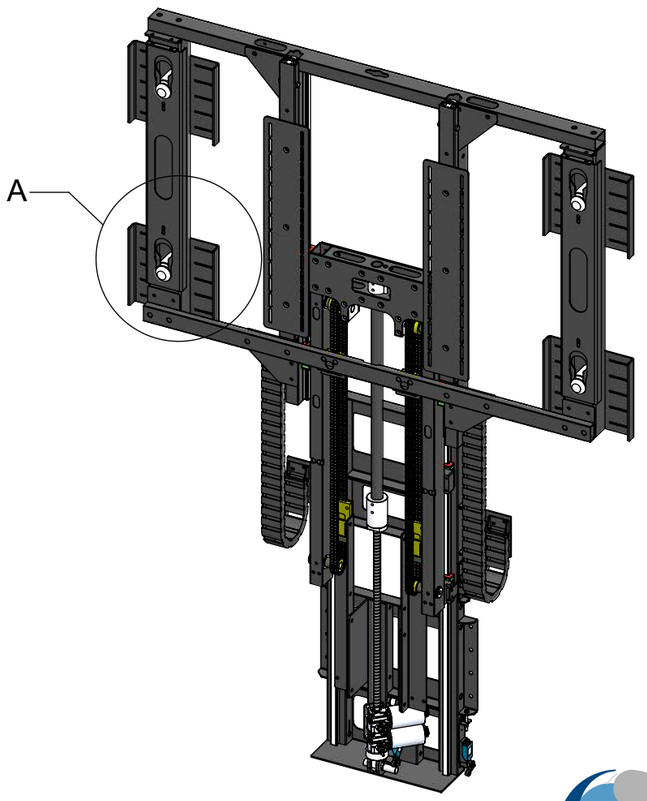
TRIM PANEL - Not supplied. This trim panel is lifted up as the screen is lowered into the cabinet. Brackets are supplied to attach it.

Key hole details allow the enclosure to be hooked into place.

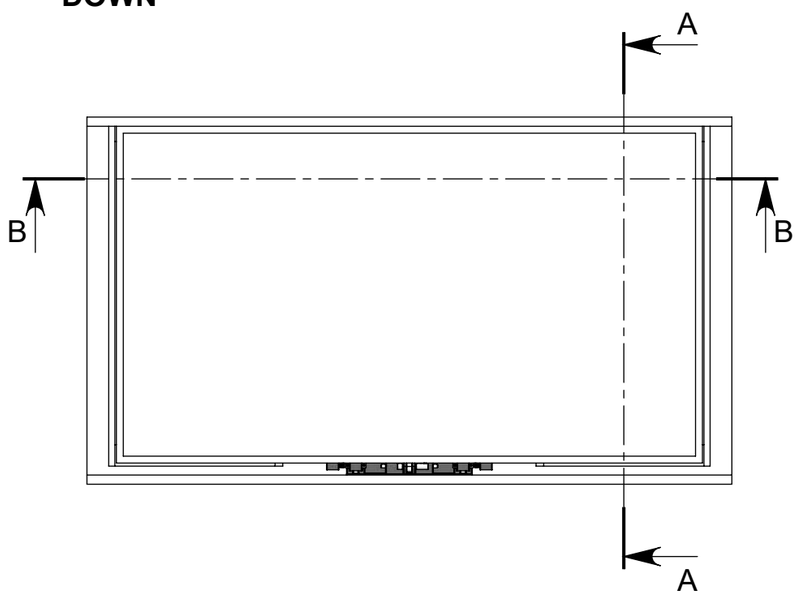
DETAIL A
SCALE 1 : 8



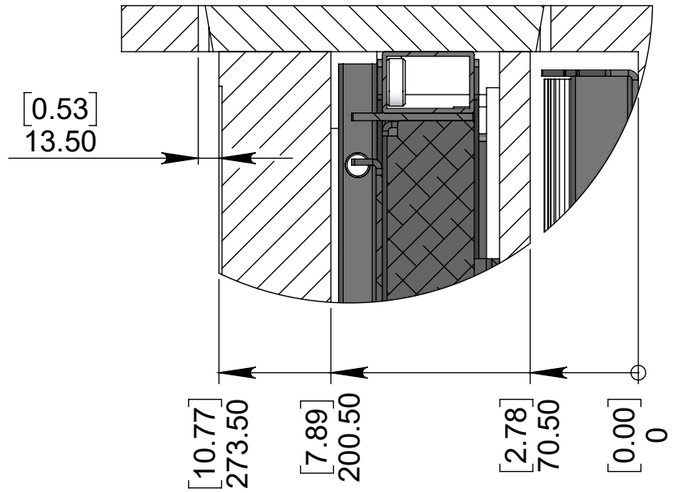
Brackets for enclosure allow adjustment.

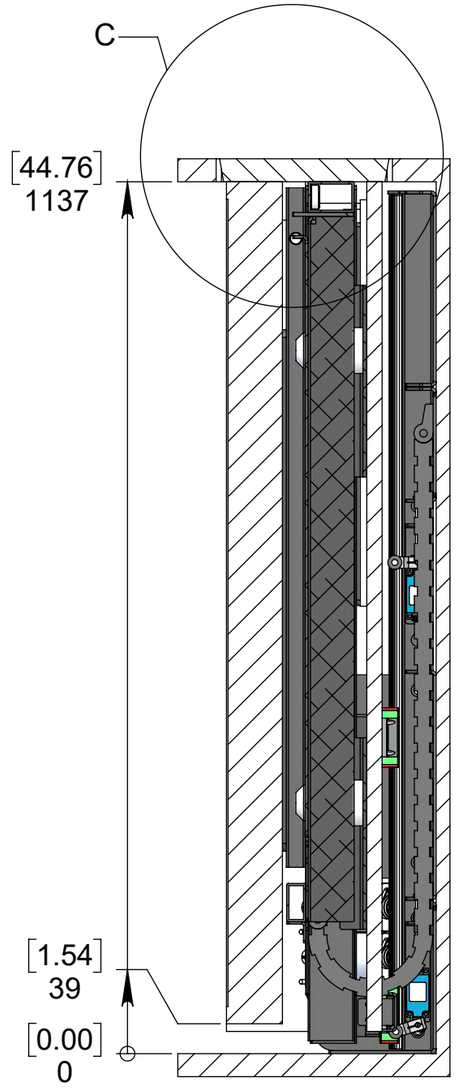


DOWN



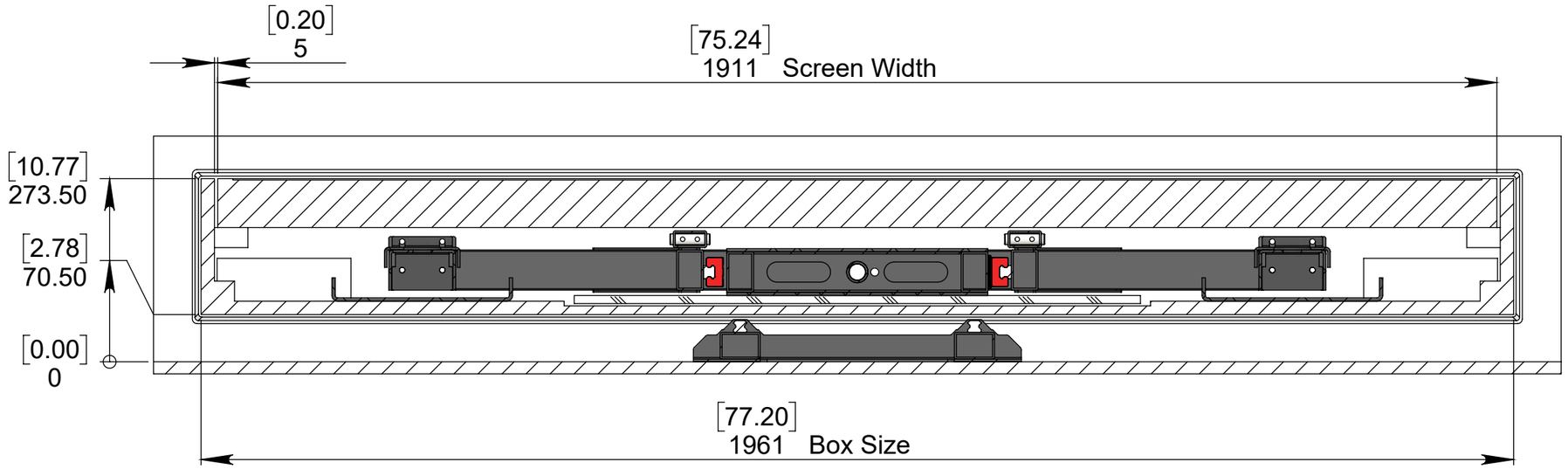
DETAIL C
SCALE 1 : 4



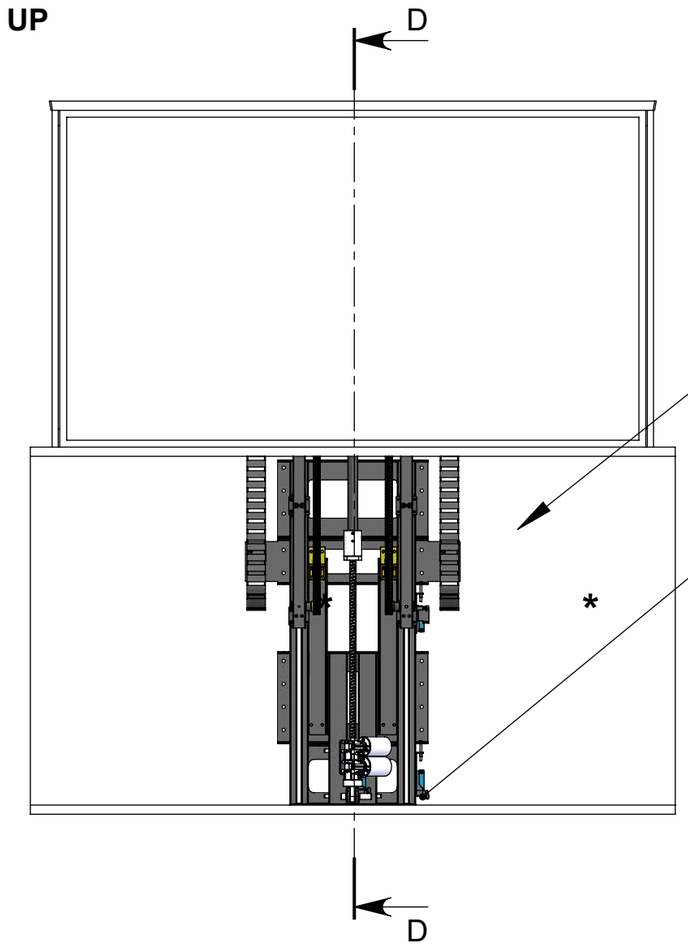


SECTION A-A
SCALE 1 : 8

SECTION B-B
SCALE 1 : 8



SEE CAD FOR FINER DETAIL

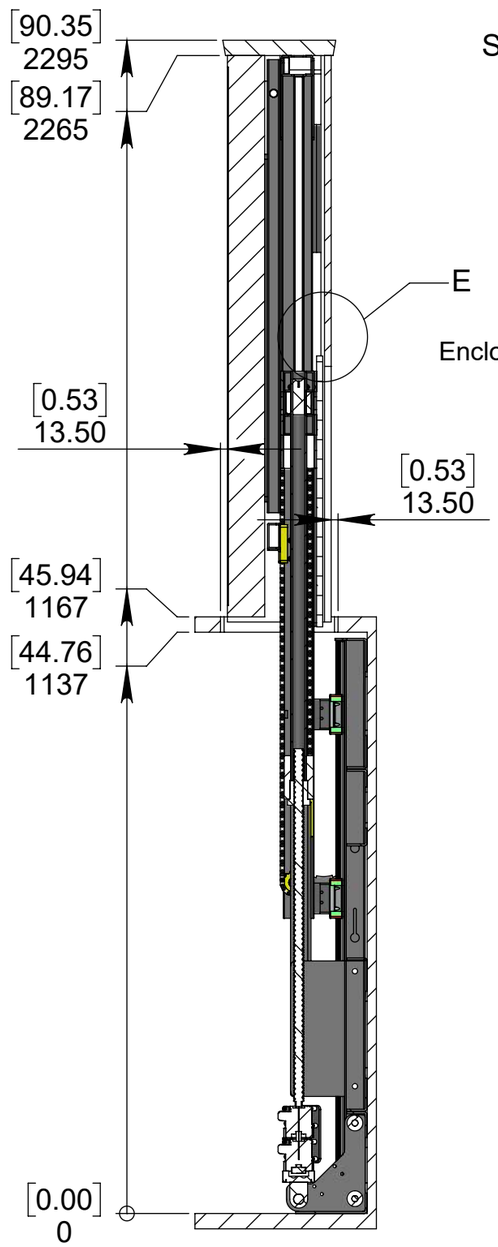


Screen signal and power cables enter cable tracks here on both sides

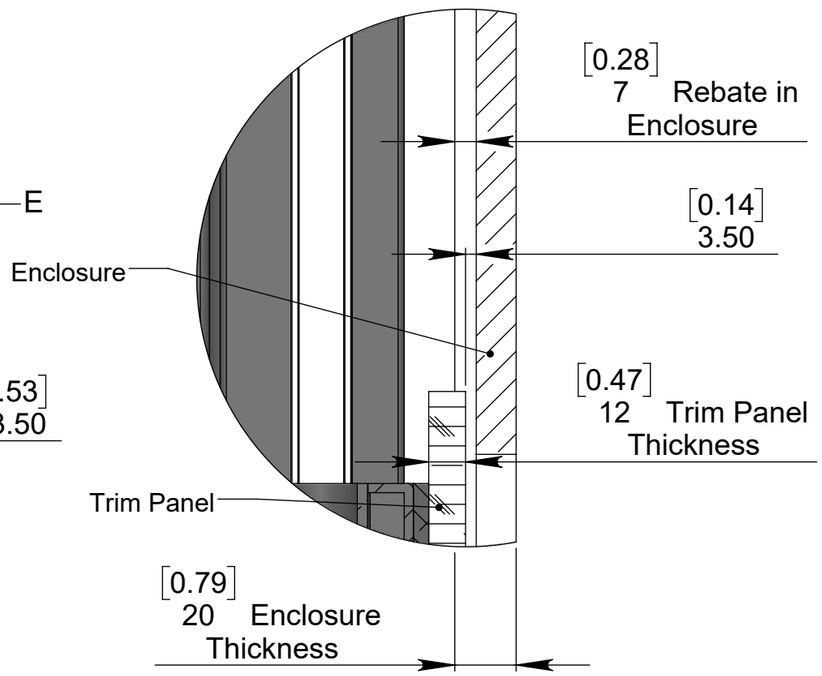
The lift cables exit the mechanism here and have a 3m flying lead to the control system.

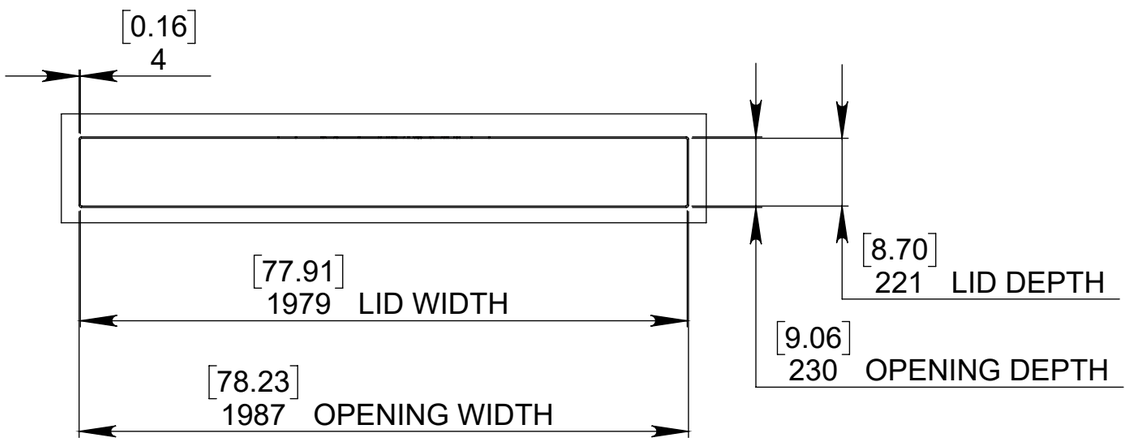
The control box is 320mm x 130mm x 230mm and requires a 220/240VAC supply. All control connections are made here.

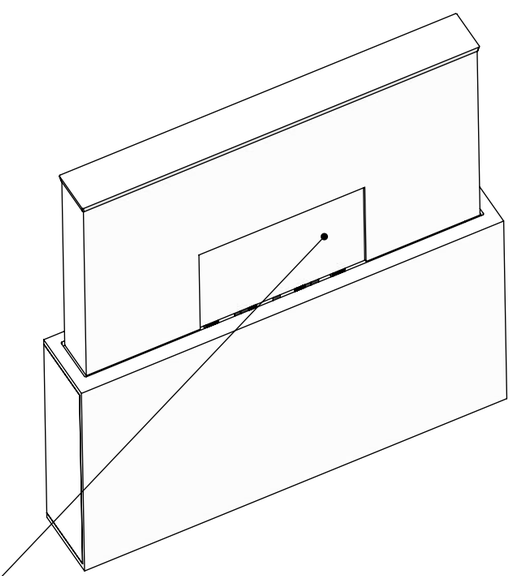
SECTION D-D
SCALE 1 : 12



DETAIL E
SCALE 1 : 2







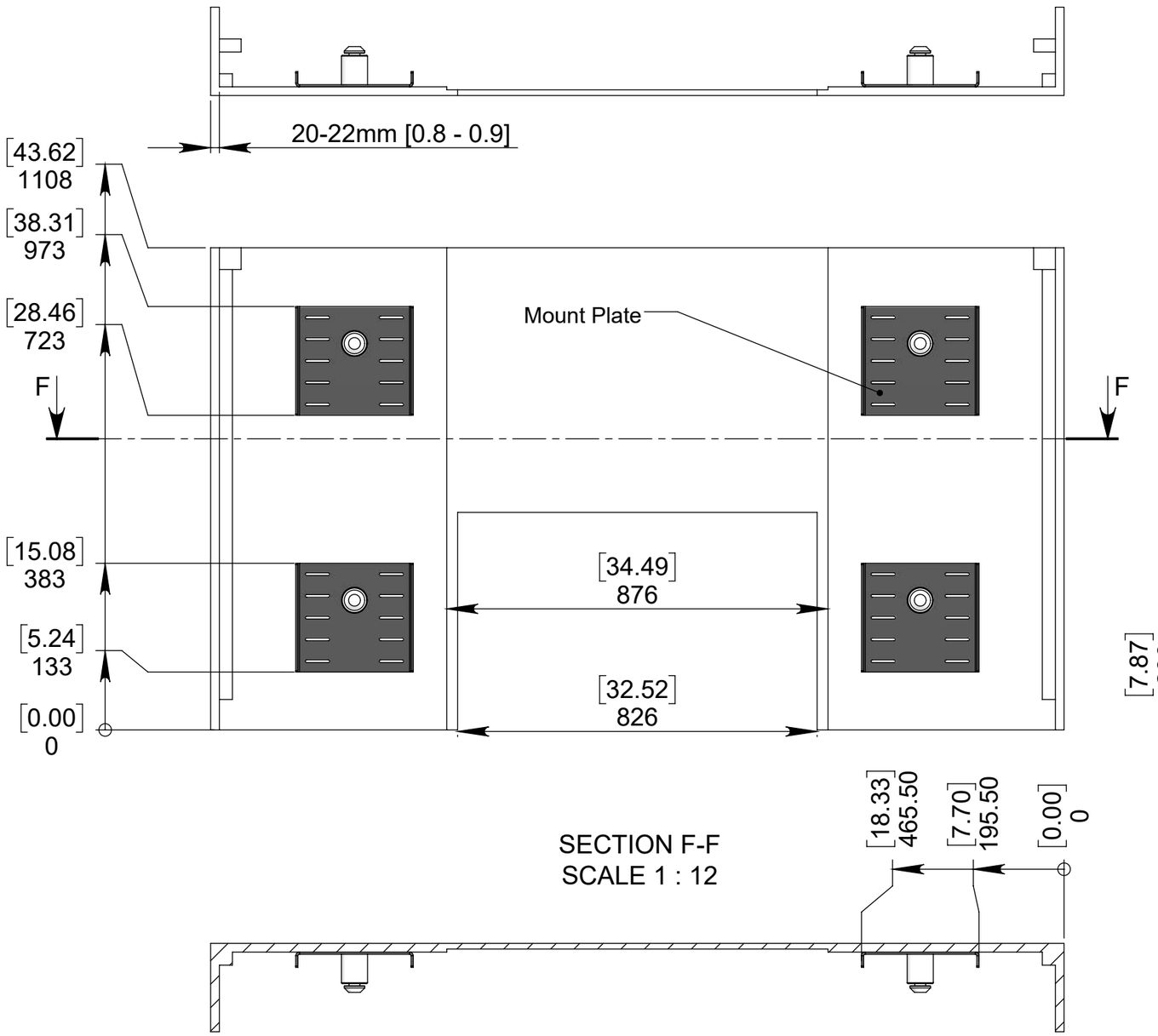
The trim panel is attached to a certain part of the mechanism so that it is lowered at a different rate to the screen.

SEE CAD FOR FINER DETAIL

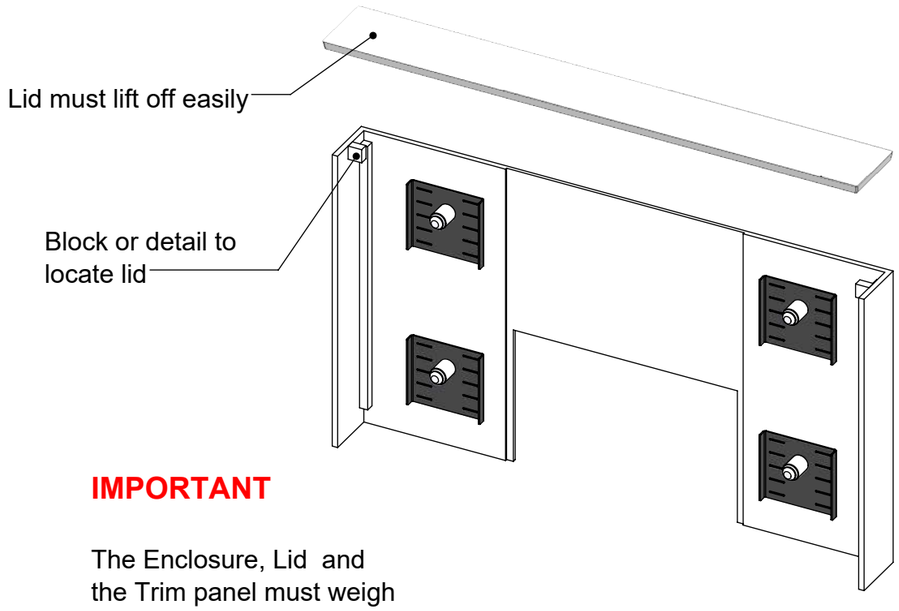
LID



ENCLOSURE DESIGN



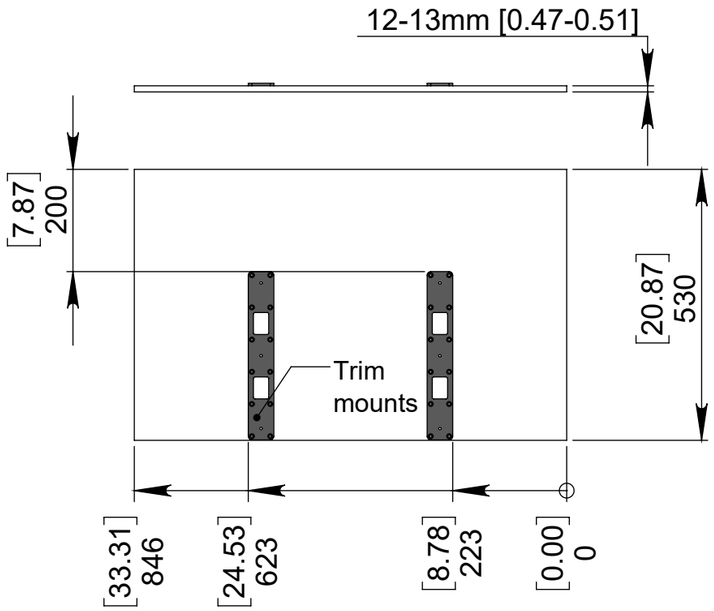
SECTION F-F
SCALE 1 : 12

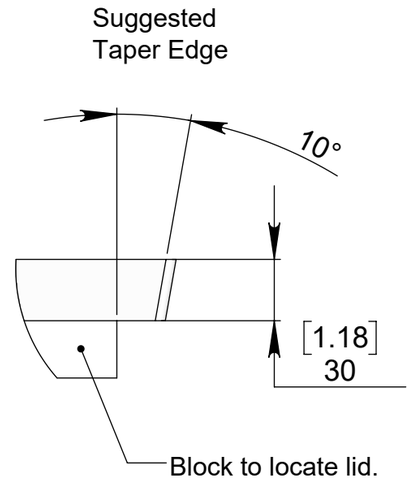


IMPORTANT

The Enclosure, Lid and the Trim panel must weigh no more than 40Kg.

TRIM PANEL





DETAIL G
SCALE 1 : 3

SEE CAD FOR FINER DETAIL

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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. See control document.
- 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 so it does not clash in the up or down positions. Watch as it initially moves and cover the STOP button.
- The uprights can be removed from the mechanism and added to the screen at the correct height. Rest screen on floor to connect cables before hooking into place.
- Check movement with screen with caution.
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- Adjust switches with caution. Check in the control box to make sure the switches are acting correctly. CC2 LED for up position and CC1 LED for down. They go off when hit.

