

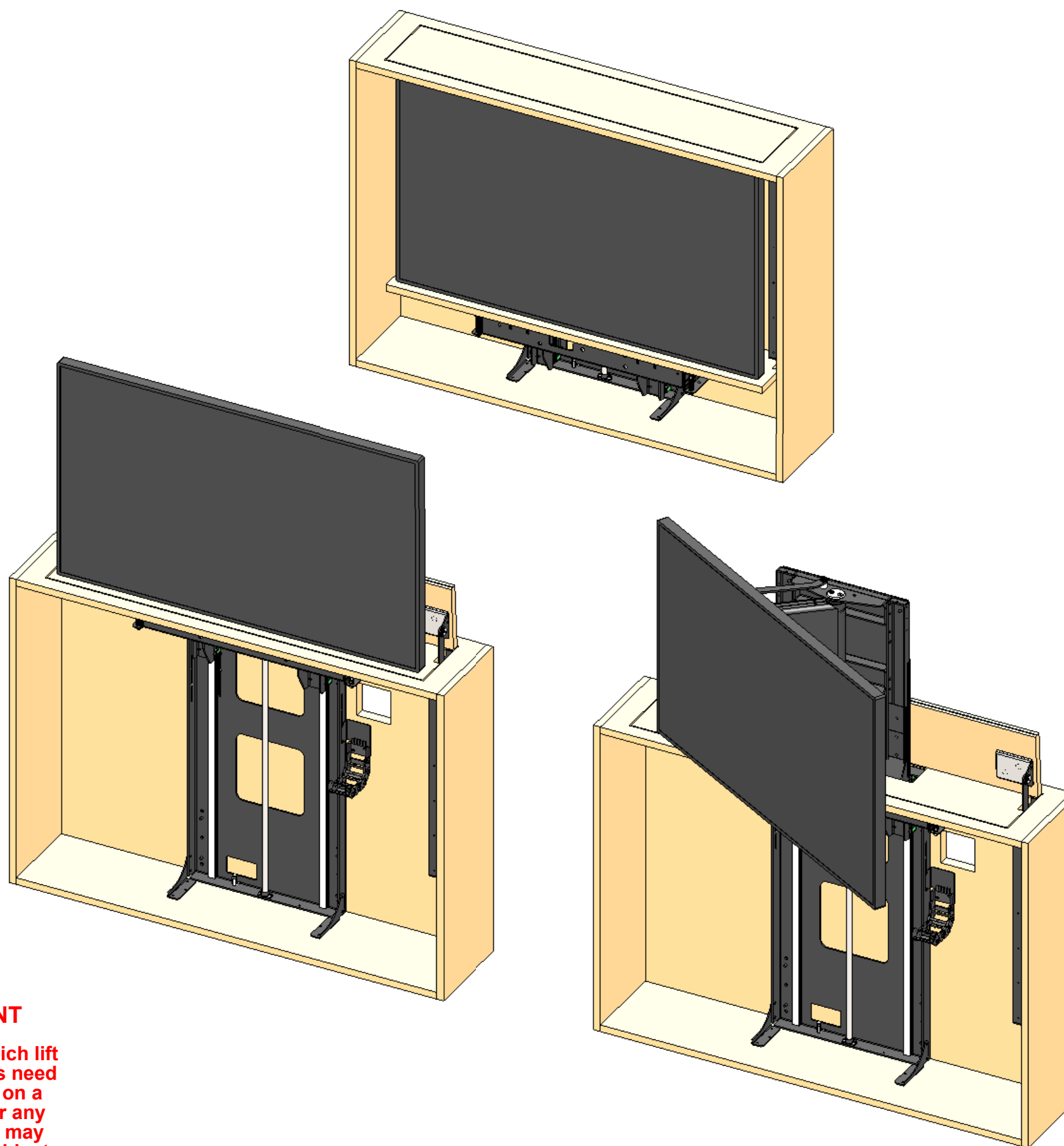


## DESIGN HIGHLIGHTS

- Quiet smooth lifting action at approximately 40mm [1.6] per second
- Advance and Rotate mount allows for up to 90° of smooth and quiet screen advance and rotate motion in one direction
- Full cable management
- Wide range of mounting options
- 24V DC motor. Suitable for direct DC supply
- Robust lifting beam
- Favourite viewing positions can be programmed via the IR remote control

## OPTIONS

- Top Shelf Mount (Alternative to Electric Flap)
- Clockwise or counter clockwise Advance and Rotate mount (Clockwise shown in this technical sheet)



## FUNCTION

An electric mechanism to lift a flat screen television and rotate up to 90°. Shown here for use with a Heavy Duty Electric Flap

## SUITABILITY

Suitable for a total lifting weight of 30Kg [66lbs]

Maximum screen height 640mm [25.2]

Lift systems to suit different screen heights and weights are available.

This variation of the Lift System is NOT marine suitable.

## SPECIFYING

Check screen mounting details and request a suitable mount plate

## 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.

## 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

## Design Highlights

A space efficient and robust lifting mechanism.

A robust 24V DC motor with a purpose made lead screw enables a quiet and smooth lifting action at approximately 40mm [1.6] per second.

The Advance and Rotate mount allows the screen to be advanced and rotated to an angle of up to 90 in one direction°. Favourite viewing positions can be programmed via the IR remote control.

The Hinge Flap Unit is a powerful flap hinging solution. It eliminates the need for a lid or box to be mounted around the screen.

High precision linear guideways ensure stability and durability of the beam to prevent any unwanted movement of the screen.

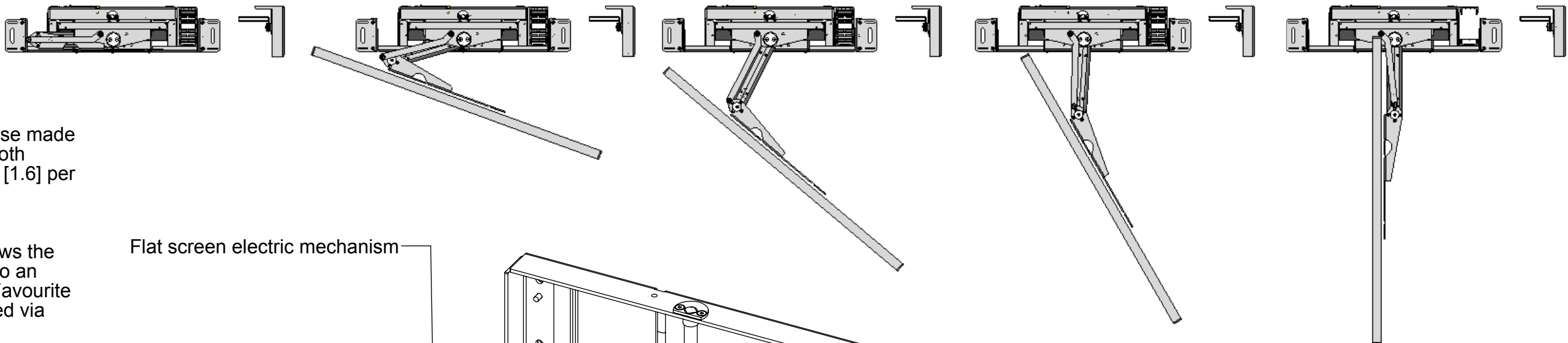
Adjustable UP and DOWN positions allow for a precise final setup within the cabinet.

The safety switched base reduces the risk of damage to the mechanism or injury to the user by cutting power to the motor when there is an obstruction between the cabinet and base panel.

Full cable management protects all screen and power cables from damage and is easily accessible for future changes to the AV setup.

A wide range of mounting options are available to suit different screens and speaker arrangements.

Super quiet and smooth action from parallel to cabinet / wall out to 90 maximum movement.



Flat screen electric mechanism

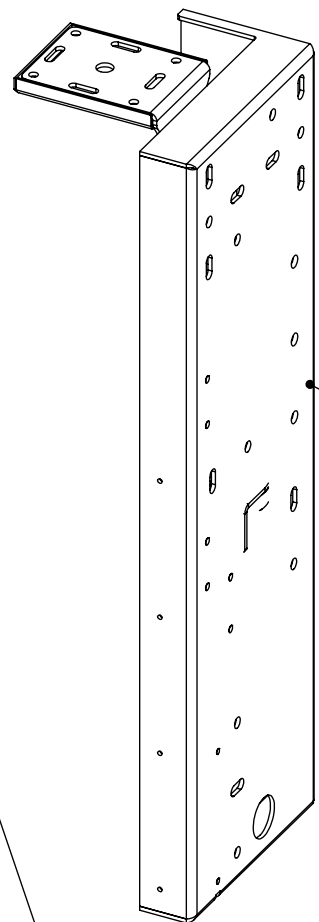
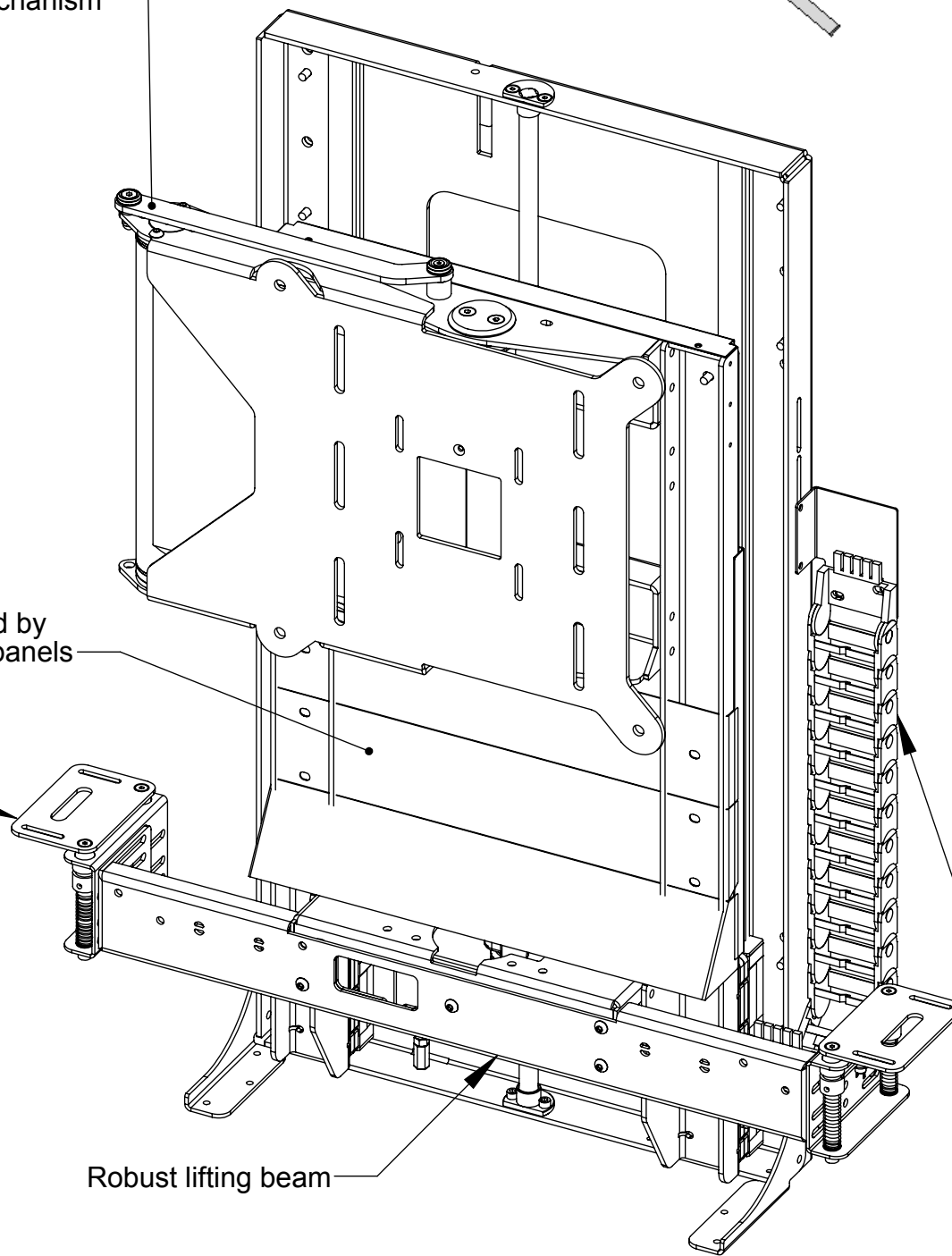
Screen cables concealed by easily removable cover panels

Safety switched base

Robust lifting beam

Cable management

Hinge Flap Unit

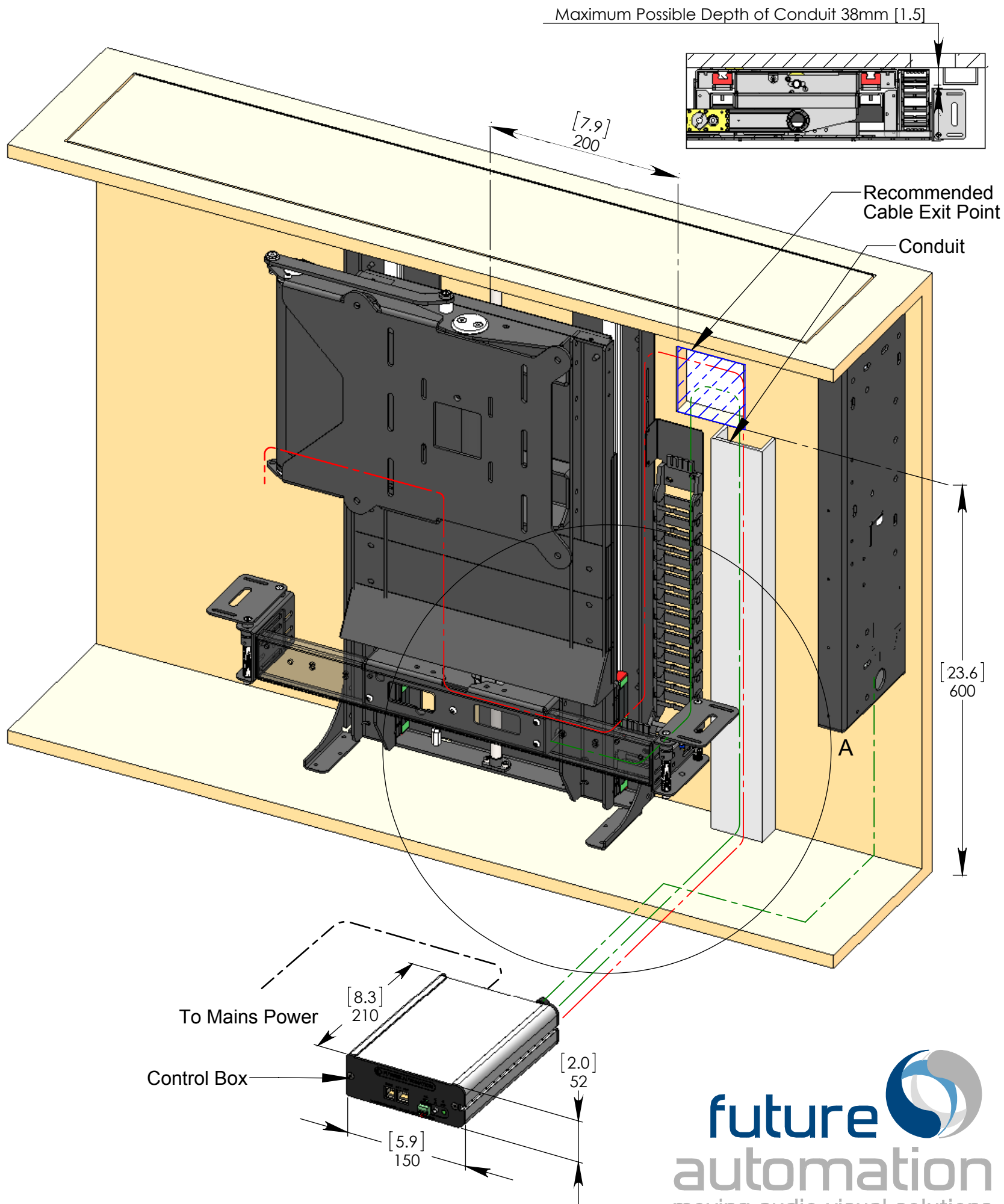
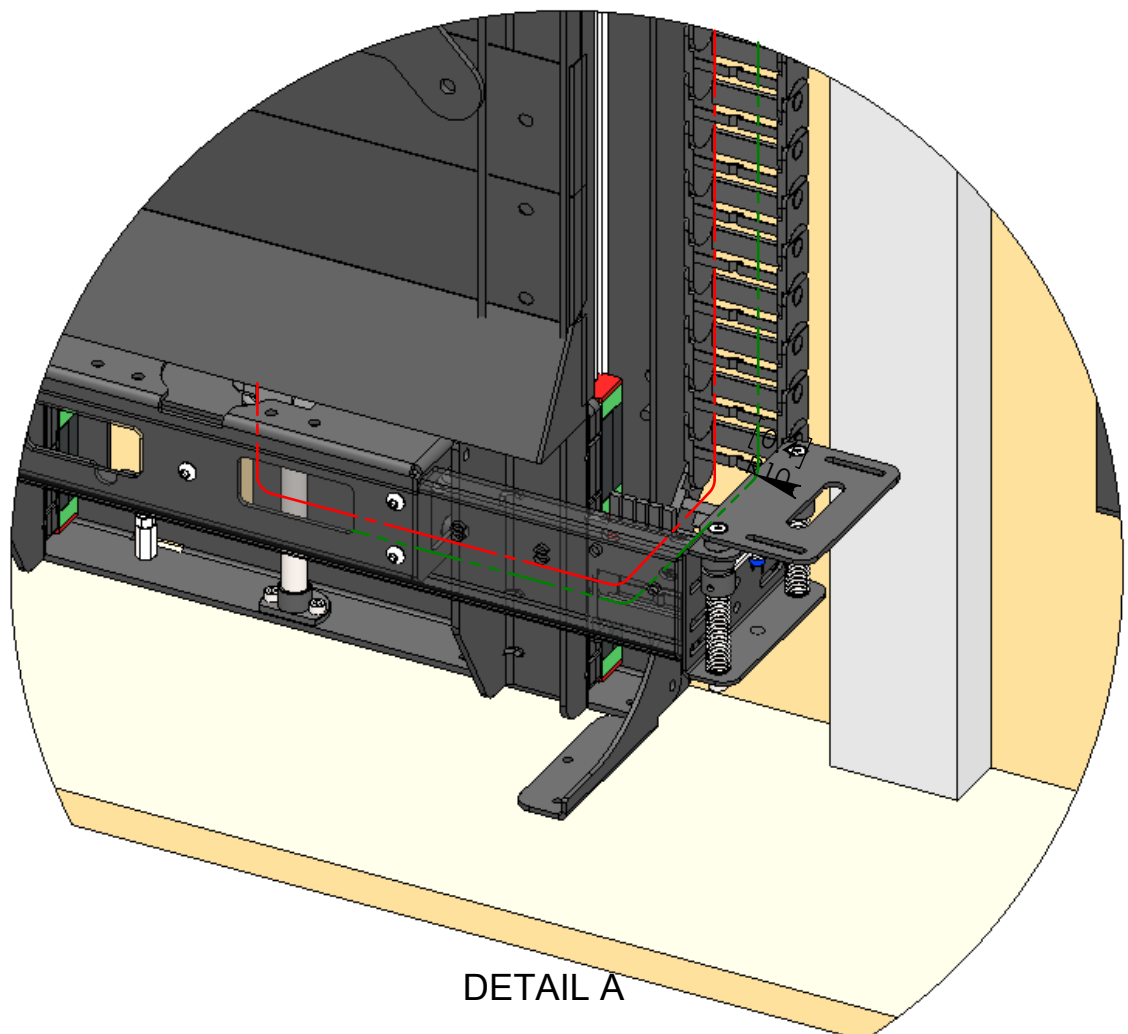


## Cable Routing

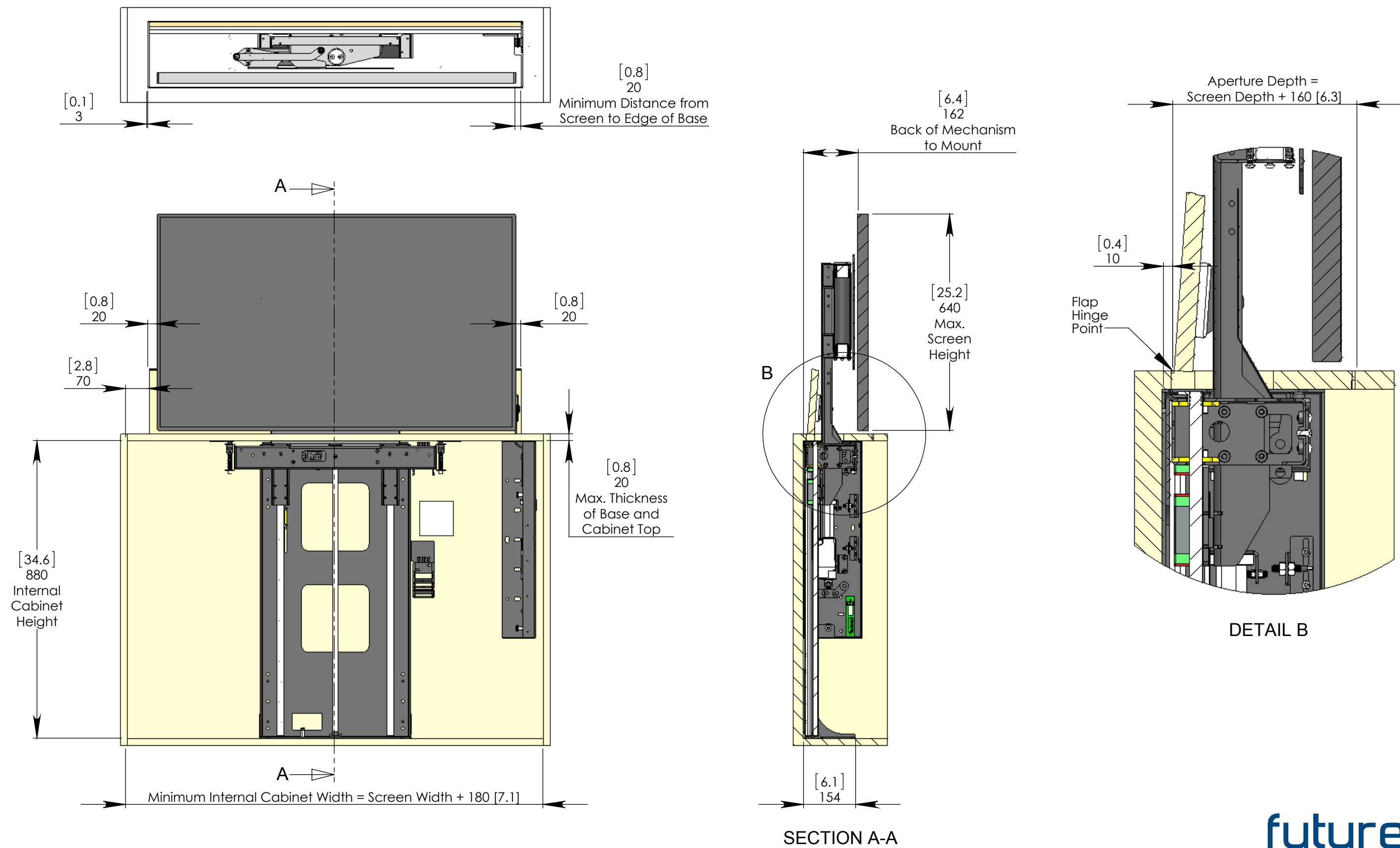
All the power and signal cables for screen and mechanism can be concealed within the Advance and Rotate mount and the lifting beam. Cables must be routed carefully to prevent any interference with the lifting beam as it operates.

Screen and Mechanism cables should be routed to a control box outside of the cabinet via an opening in the back of the cabinet or a conduit leading to the bottom.

- SCREEN CABLE
- MECHANISM CABLE
- POWER CABLE



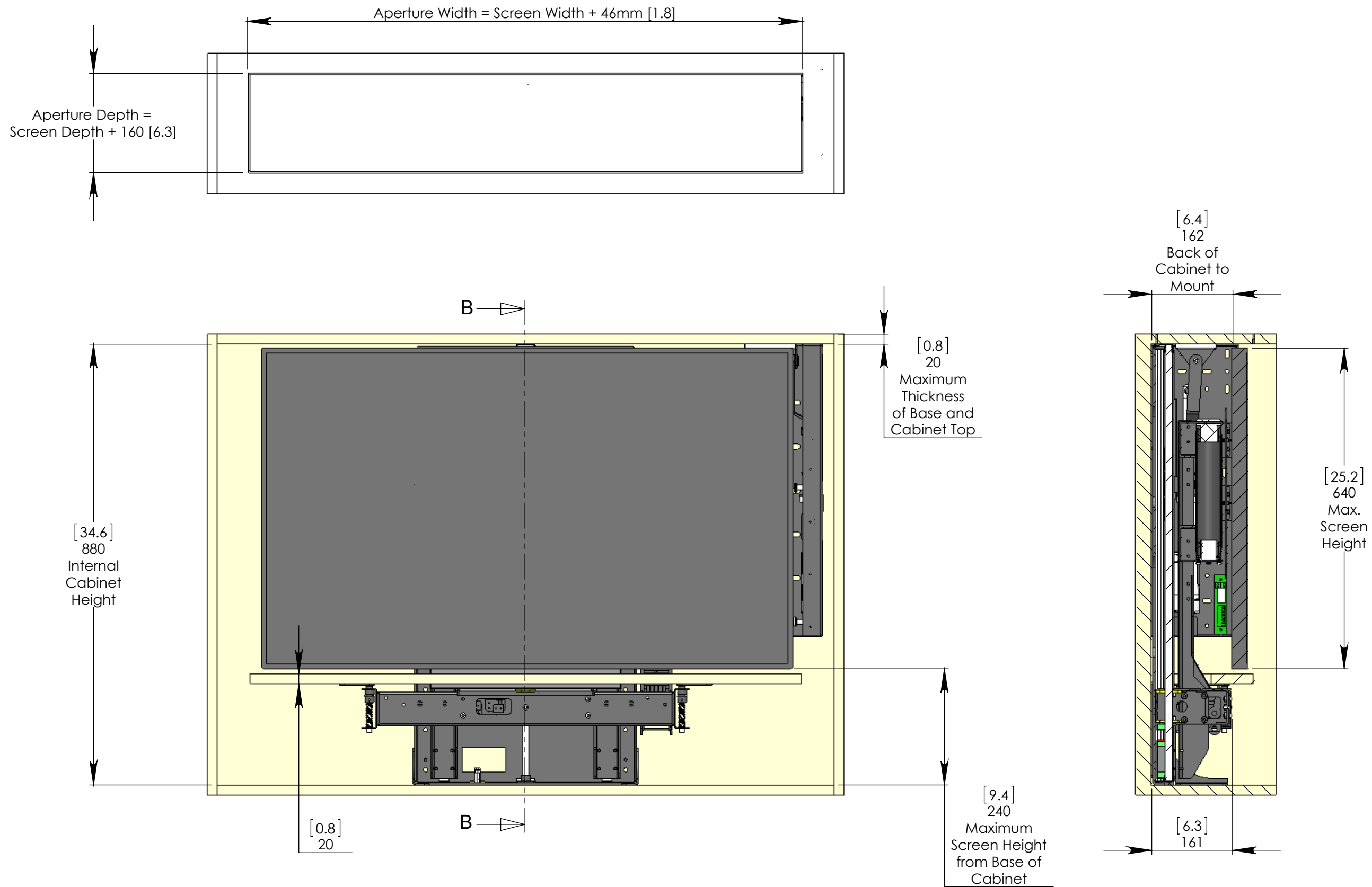
Mechanism Up - In Cabinet



**IMPORTANT:** Thicker cabinet tops will require a reduced maximum screen height

[www.futureautomation.co.uk](http://www.futureautomation.co.uk) tel: +44 (0) 1438 833 577 fax: +44 (0) 1438 833 565

Mechanism Down - In Cabinet



**IMPORTANT:** Thicker cabinet tops will require a reduced maximum screen height

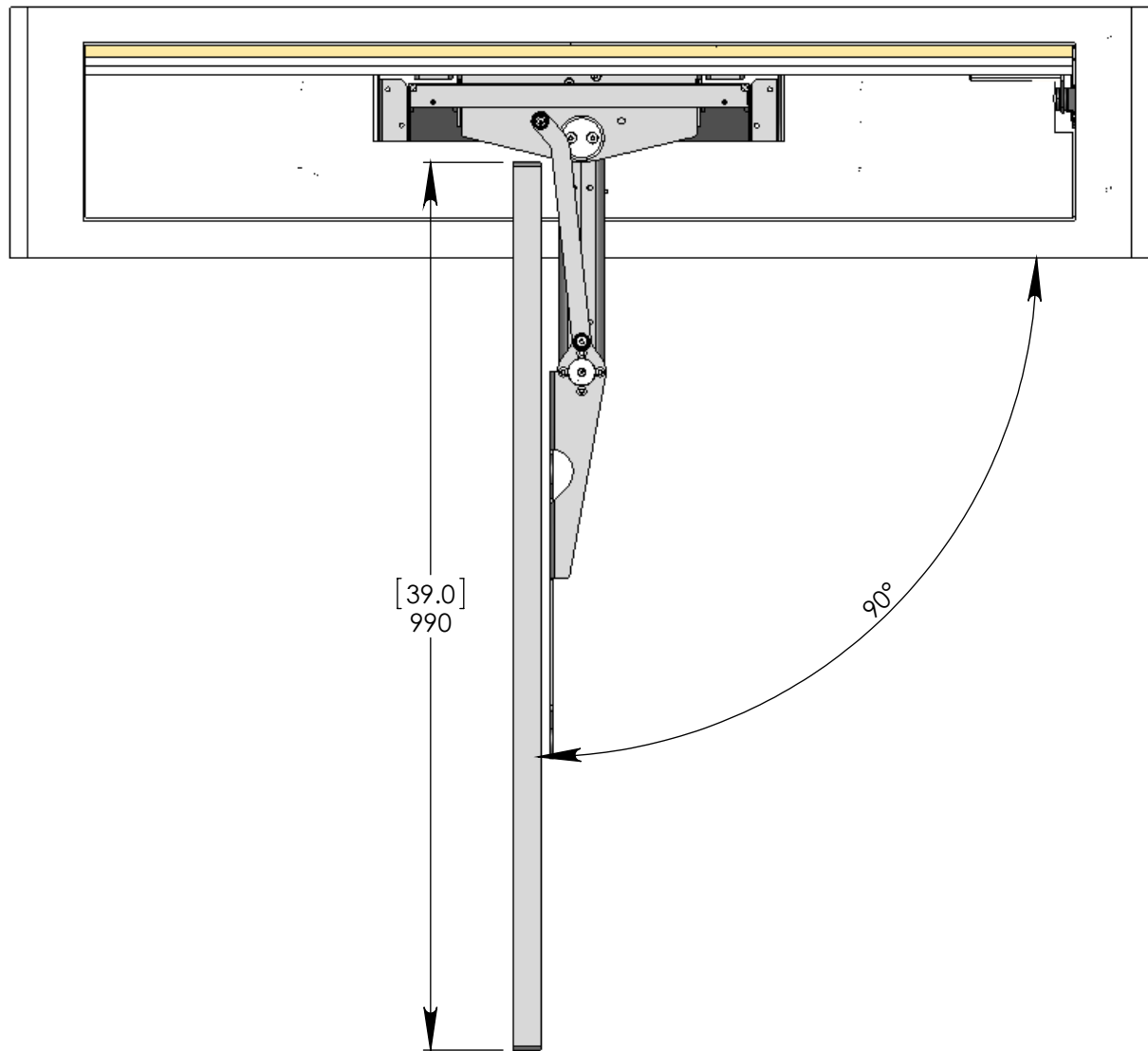


FSE Rotation

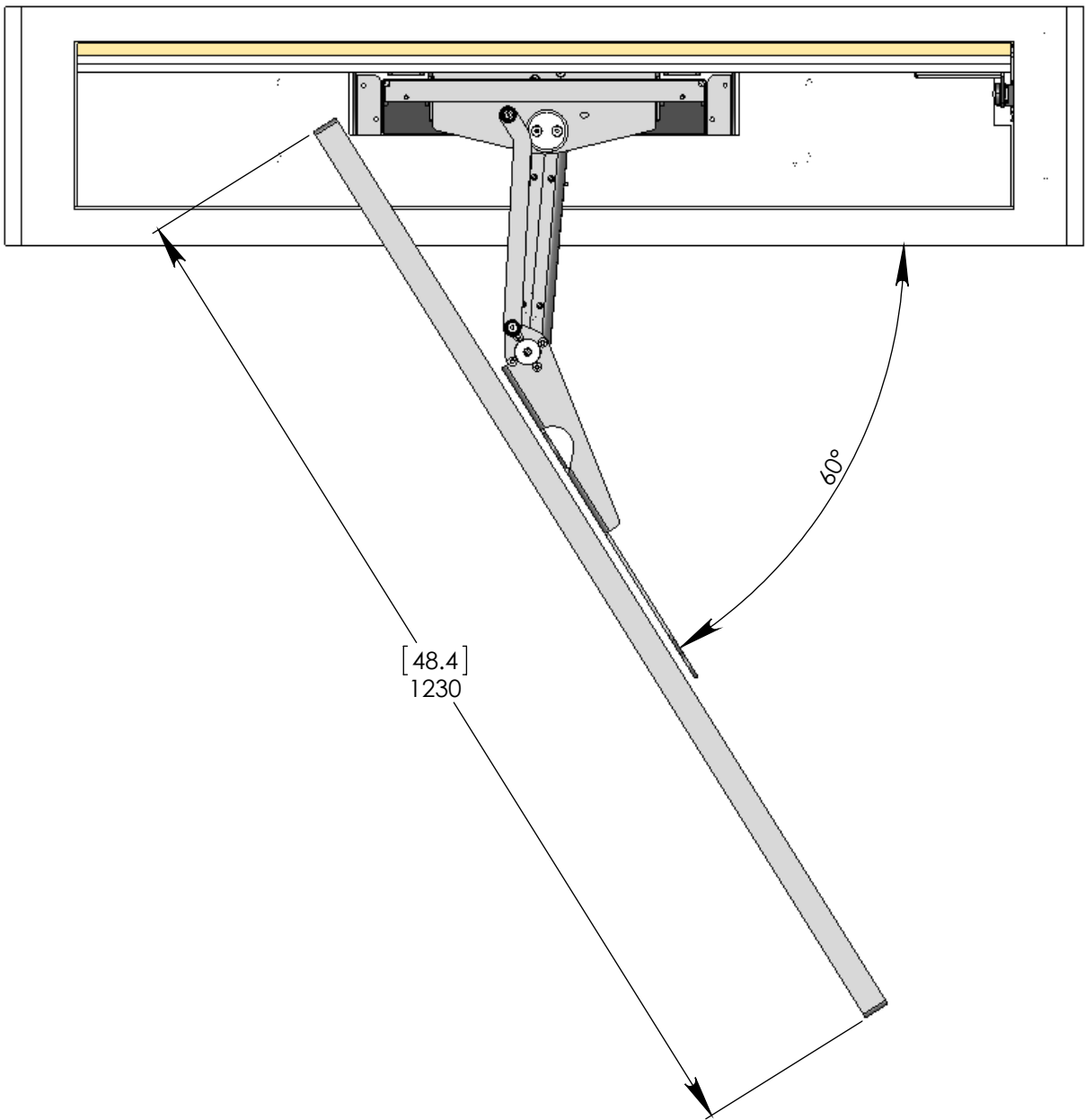
When it is not a requirement to achieve 90° of screen rotation, the FSE90 can be used to mount larger screens.

Screens with a width of over 990 [39.0] will not typically be able to achieve the full 90° of rotation as they will come into contact with the Lift System.

EXAMPLE 42" SCREEN

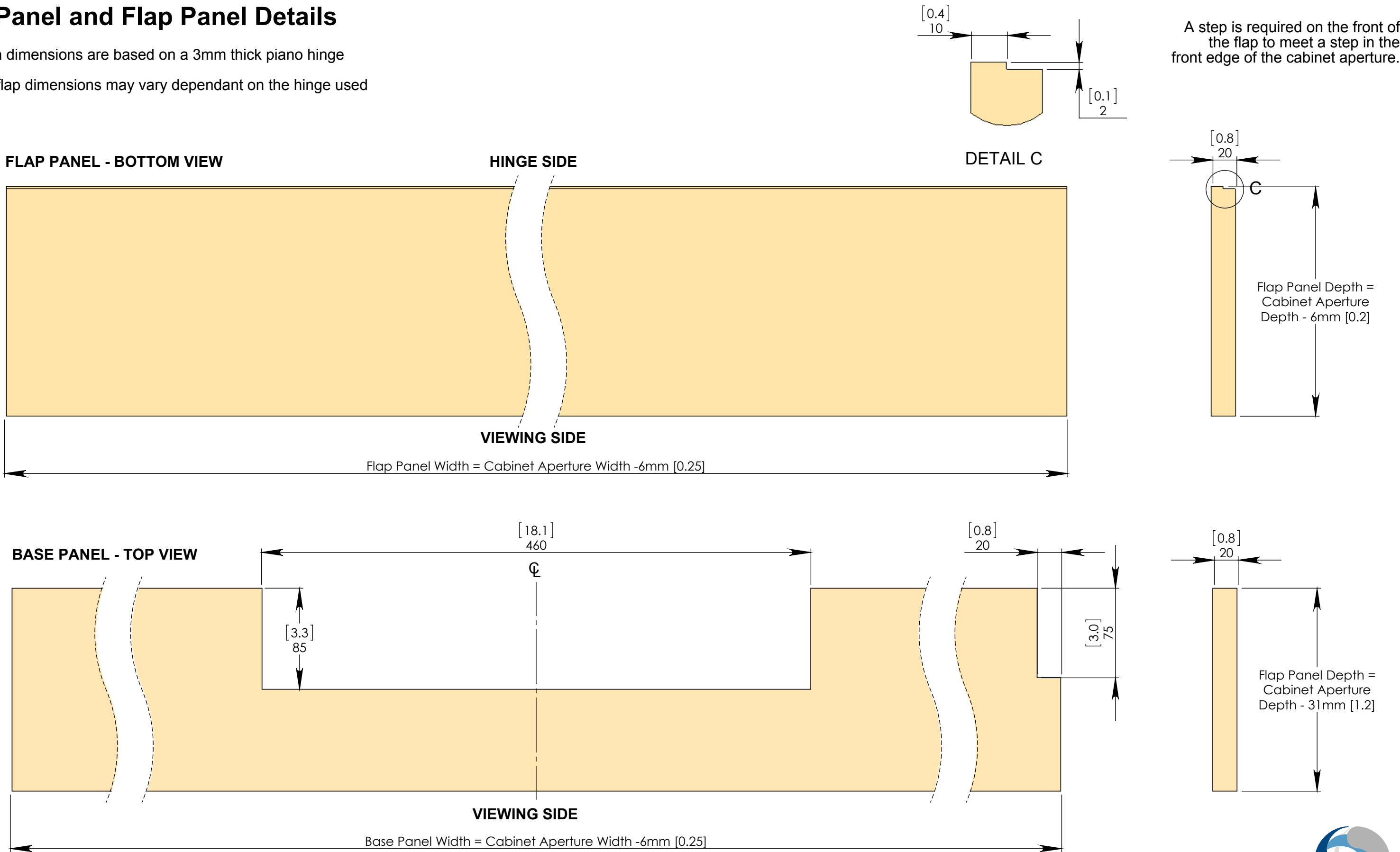


EXAMPLE 55" SCREEN



Base Panel and Flap Panel Details

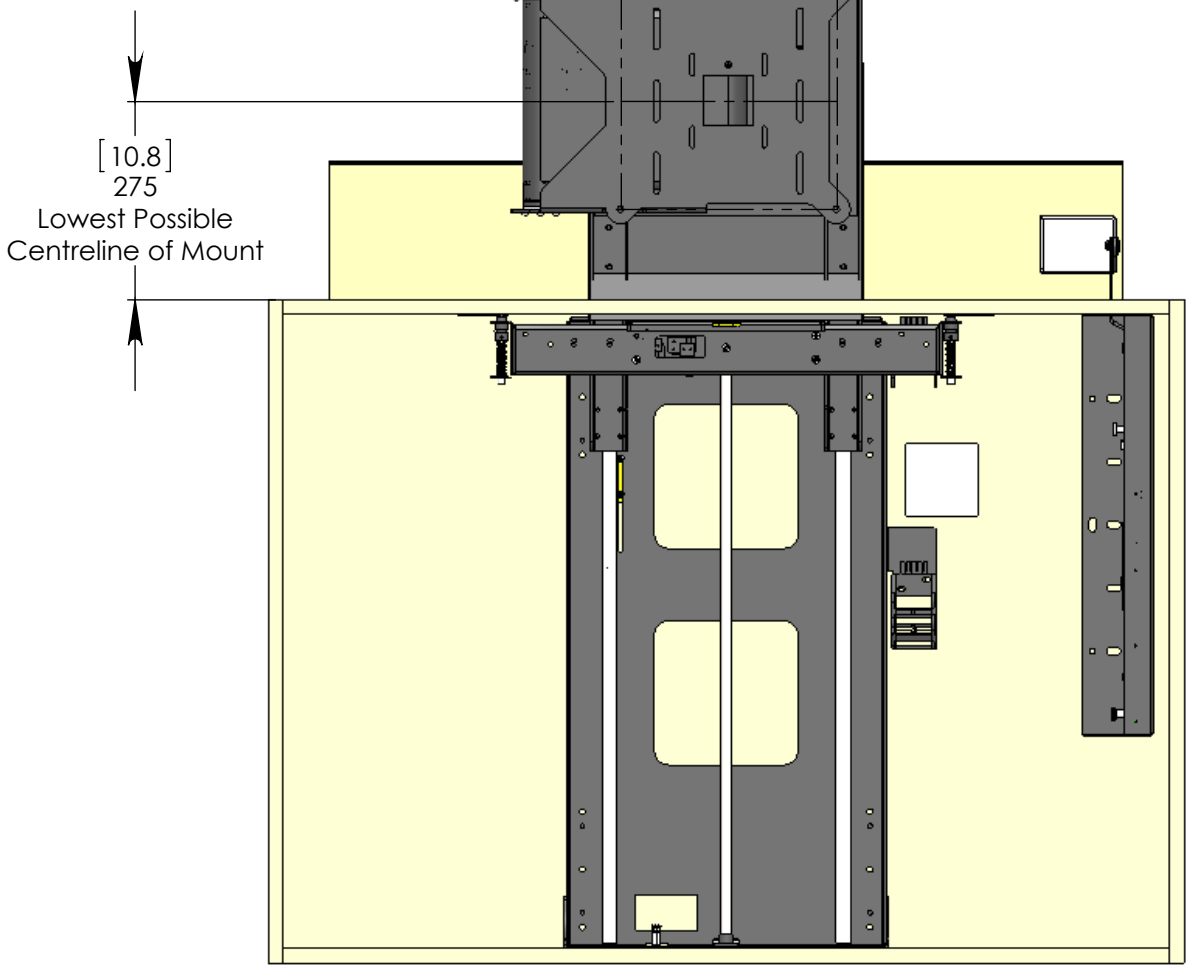
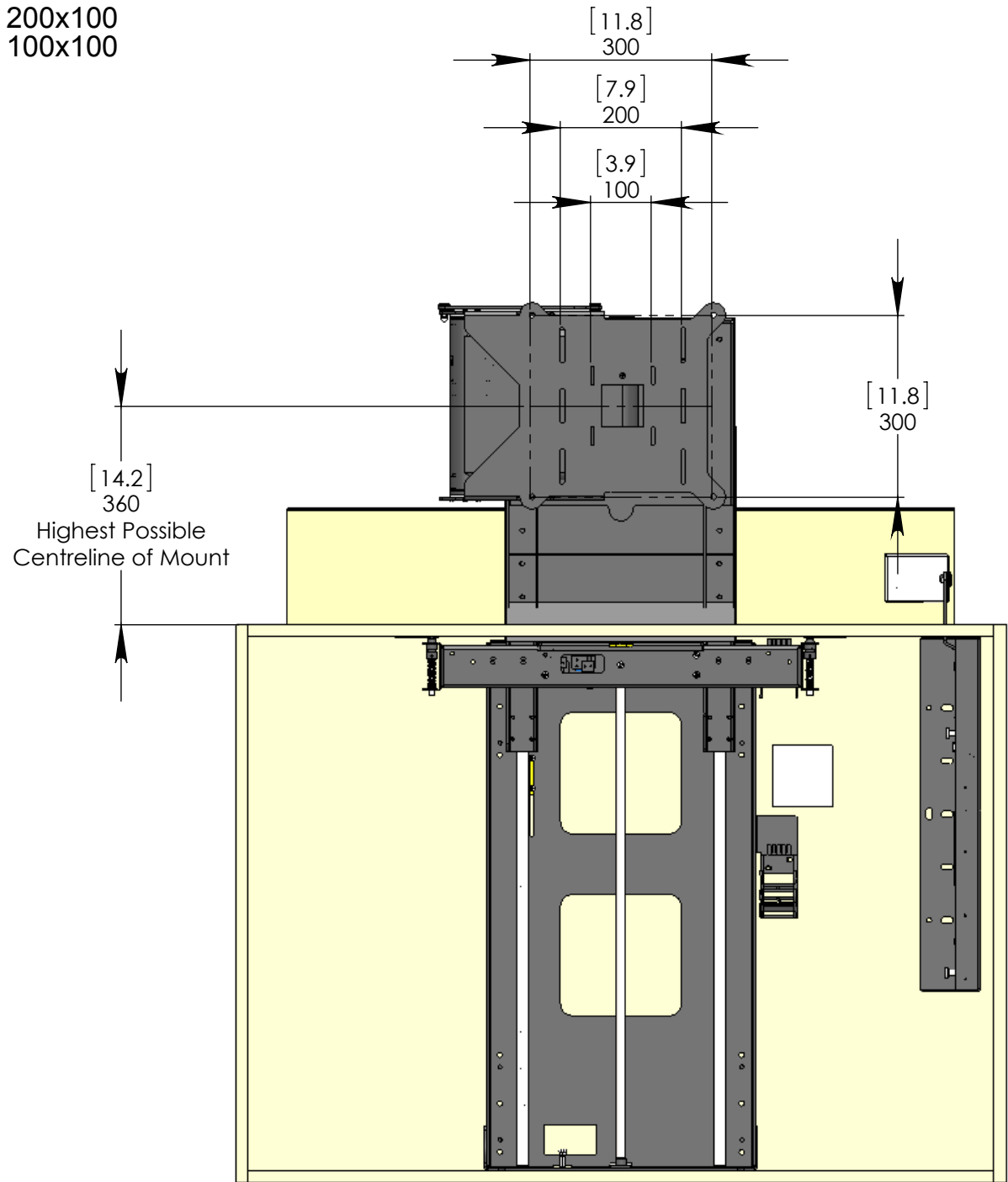
Flap depth dimensions are based on a 3mm thick piano hinge  
 Required flap dimensions may vary dependant on the hinge used



## Screen Mount Adjustability

The standard FSE90 Mount is a VESA 300 Mount Plate compatible with VESA patterns:

300x300  
200x200  
200x100  
100x100

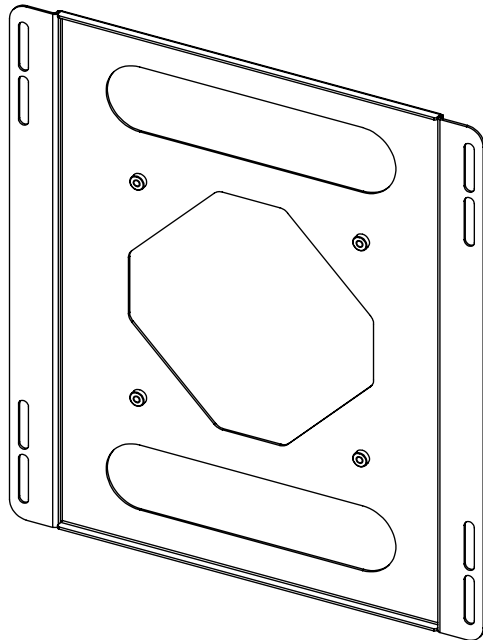


VESA 400 ADAPTER PLATE  
The VESA 400 Adapter Plate attaches to the standard FSE90 Mount Plate

Compatible with VESA patterns:

400x400  
400x300

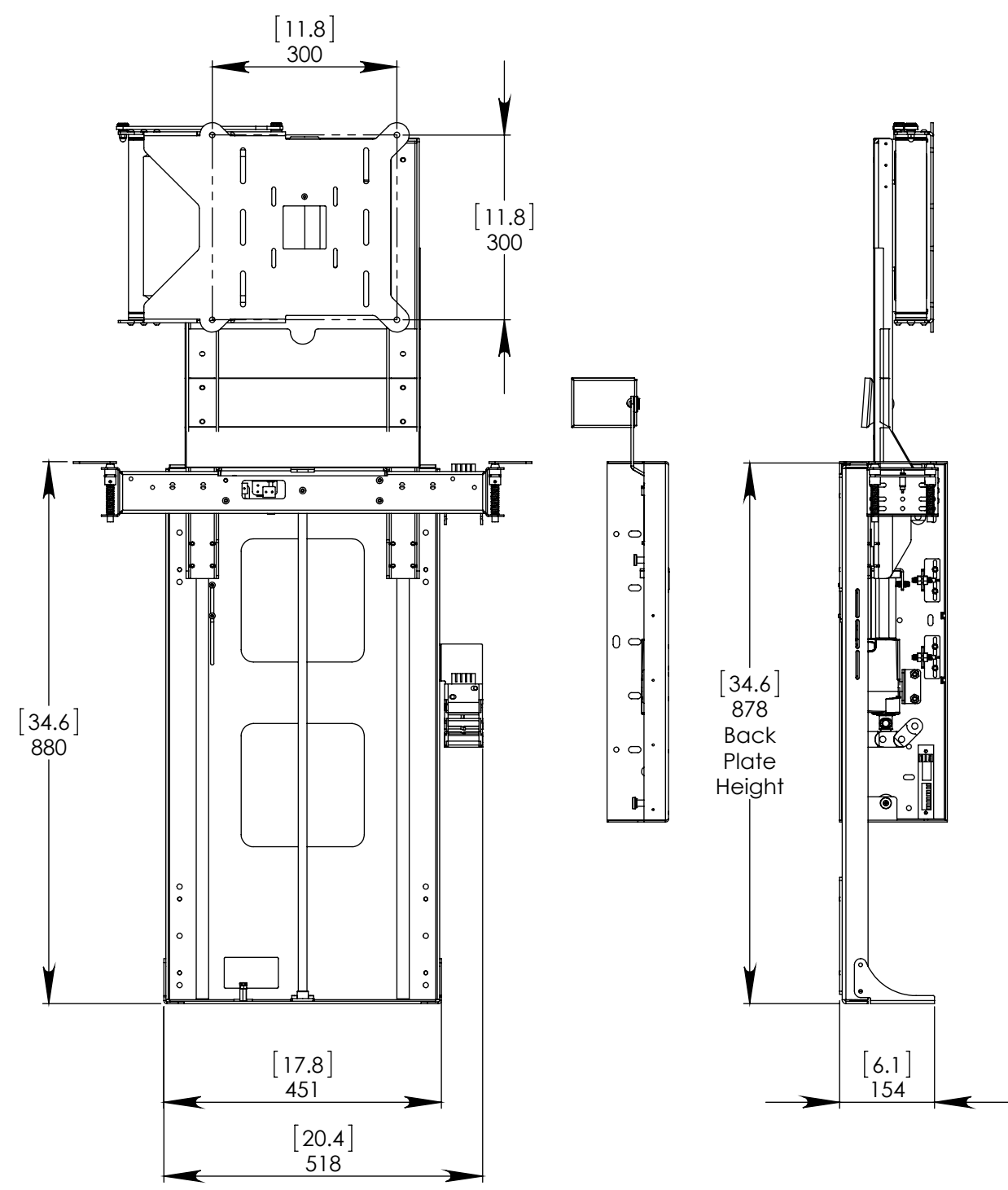
The adapter plate adds 10mm [0.4] depth to the mechanism. This should be considered when calculating the Cabinet Aperture Depth.





## Overall Mechanism Dimensions

MECHANISM - UP POSITION



MECHANISM - DOWN POSITION

