I-LSM-BE 5
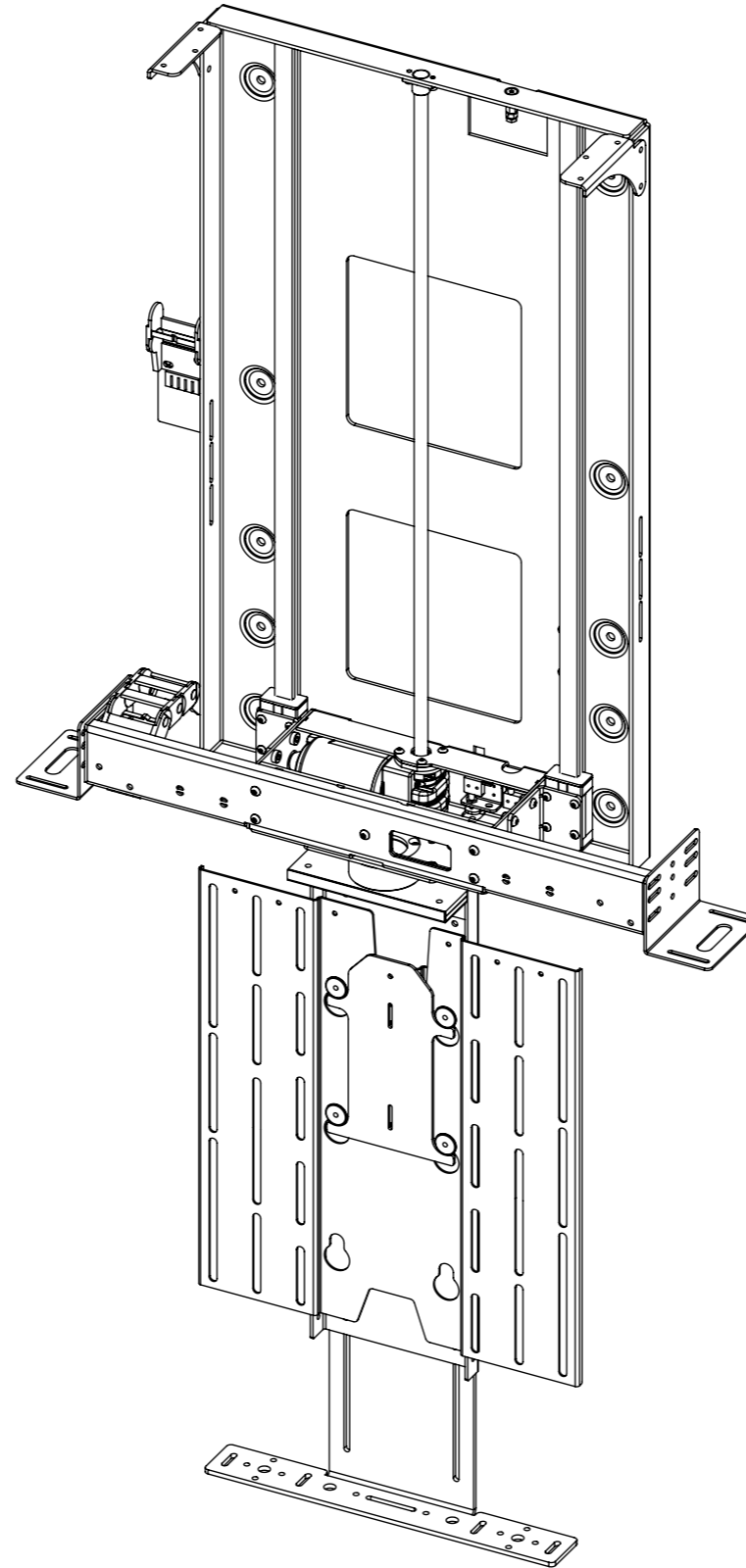## INVERTED LIFT SYSTEM FOR BOX ENCLOSURE

I-LSM-BE 5
INVERTED LIFT SYSTEM FOR BOX ENCLOSURE

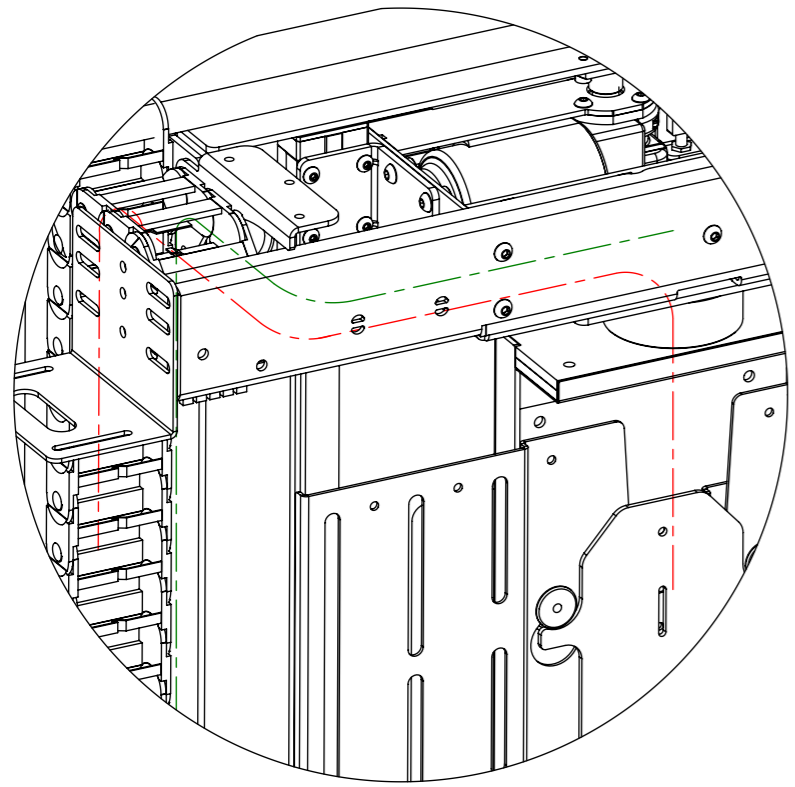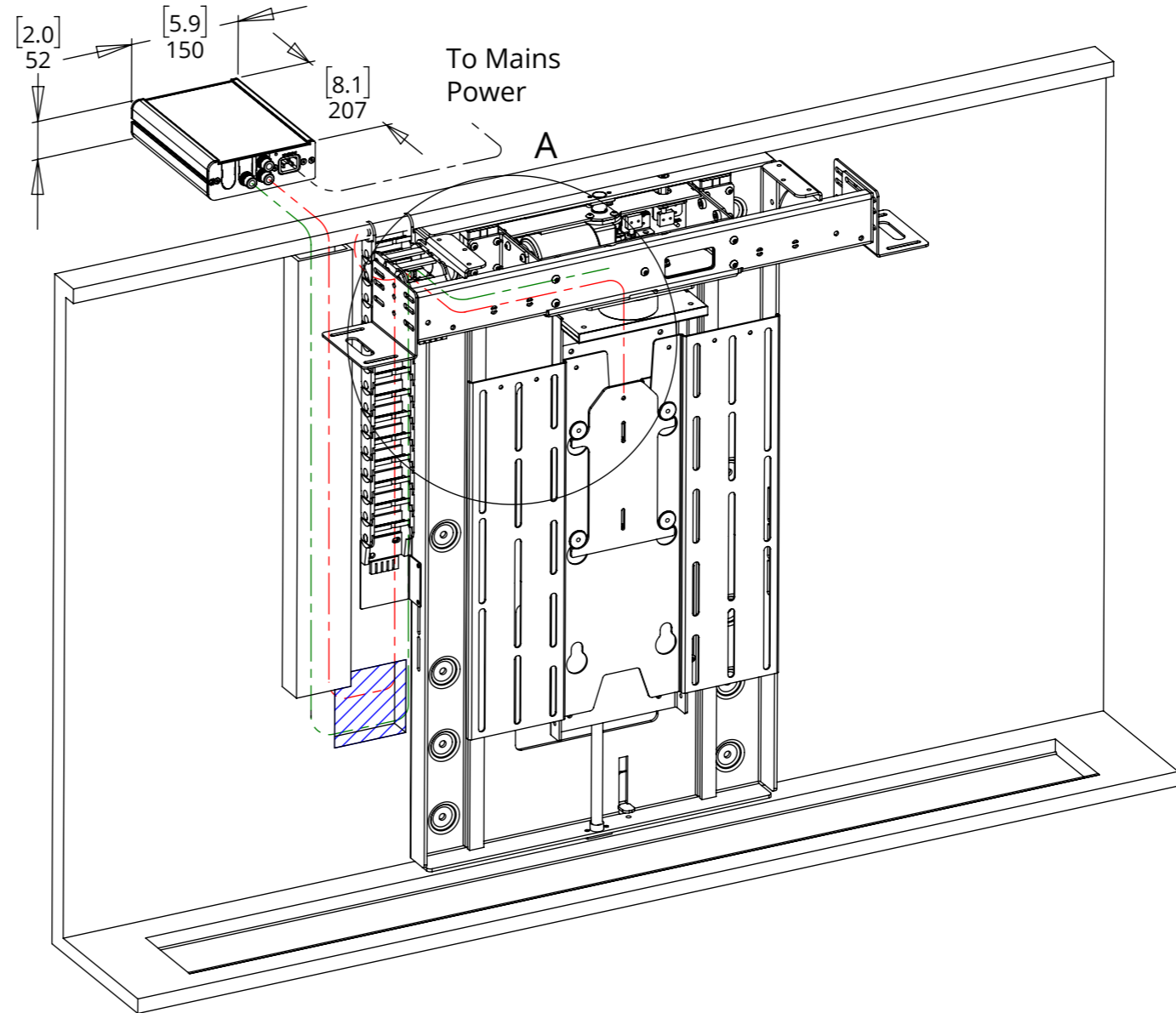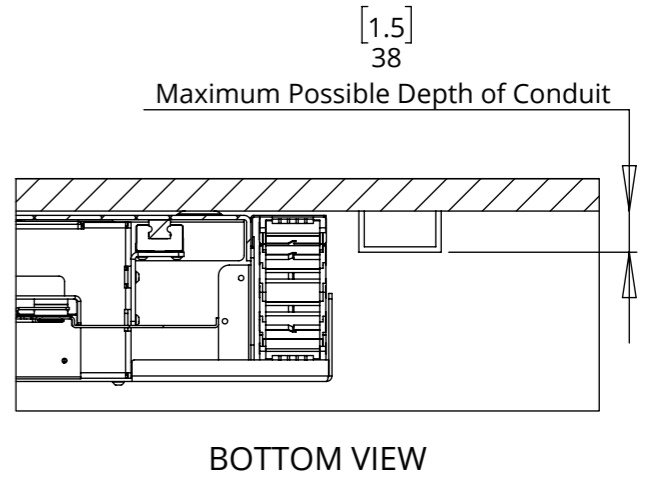| SPECIFICATION	MEASUREMENTS
Maximum Screen Height	730mm (28.7")
Screen Sizes (approx.)	50" - 55"
Maximum Lifting Capacity	50Kg (110lb)
Maximum Lifting Capacity (Marine)	30Kg (66lb)
Internal Cabinet Height	880mm (34.6")
Decibel Rating	52 dB
Packaging Dimensions	1080 x 850 x 330mm (42.5 x 33.5 x 13")
Shipping Weight	34Kg (75lb)
Movement Type	Motorised
Power Supply Required	110V - 240V AC
Power Consumption	250 - 500W
Power Consumption Standby	3W
Mounting Patterns Supported	VESA 400, 300, 200 W x 400, 300, 200 H
Control Options	IR Remote, RS232, Contact Closure, RF Available
Product Options / Features	Specific B&O and Loewe mounts / adapters, Custom RAL paint finishes
Package Contents	Mechanism, IR remote control
Marine Suitable	Yes

I-LSM-BE 5
INVERTED LIFT SYSTEM FOR BOX ENCLOSURE

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CABLE ROUTING

The LSM has an easily removable Mount Cover that cables from the screen can be routed underneath. Cables then travel through the centre of the Mount Boss and into the beam. Cables must be routed carefully to prevent any interference with the LSM 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 CABLES

—·—·—·— MECHANISM CABLES

—··—··—··— POWER CABLE

$\left[\dfrac{1.5}{38}\right]$

Maximum Possible Depth of Conduit

BOTTOM VIEW

$\left[\dfrac{2.0}{52}\right]$ $\left[\dfrac{5.9}{150}\right]$

$\left[\dfrac{8.1}{207}\right]$

To Mains Power

A

DETAIL A

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MECHANISM UP - IN CABINET

[0.1]
3
Box Enclosure to
Cabinet Aperture

[0.8]
20
Minimum Distance to
Inside of Box Enclosure

SECTION C-C

Internal Cabinet Width = Screen Width + 100 [3.9]
Minimum Width = 850 [33.4]

B

[6.1]
154

[34.6]
880
Internal
Cabinet
Height

[0.8]
20
Max Thickness
of Base and
Cabinet Top

[1.8]
46

Aperture Depth =
Screen Depth + 83 [3.25]
(Minimum 121 [4.75])

DETAIL D

D

[4.2]
108
Back of Cabinet
to Mount

[28.7]
730
Max
Screen
height

Box Enclosure
Internal Width =
Screen Width
+ 40mm [1.6]

[29.8]
758
Internal
Box Enclosure
Height

C
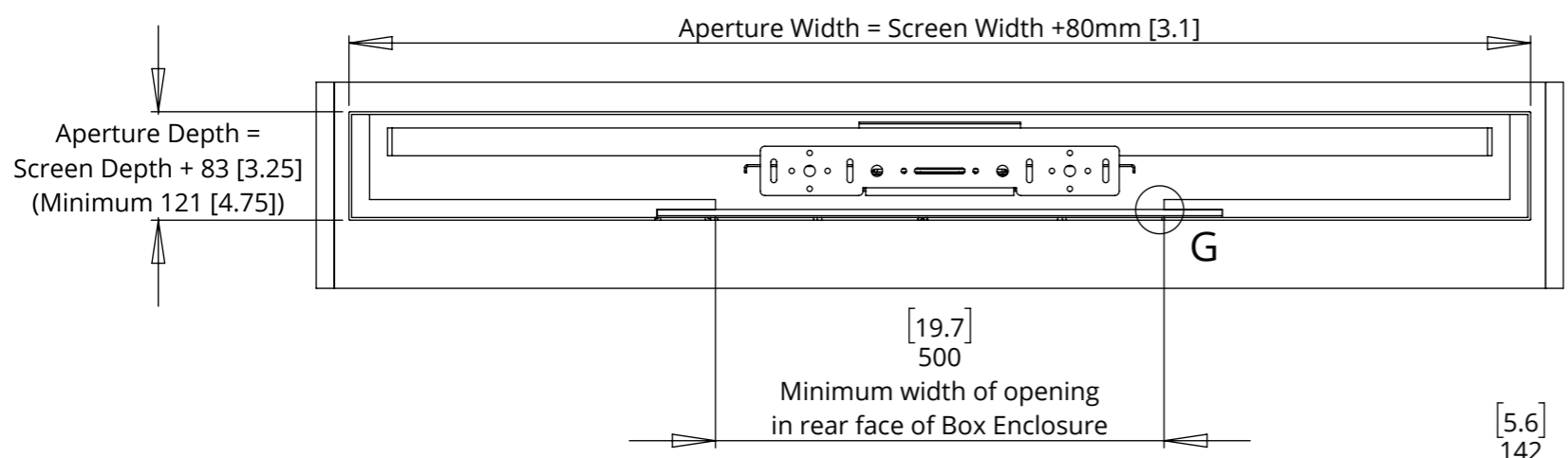
[0.8]
20

[0.8]
20

C

B

SECTION B-B

I-LSM-BE 5
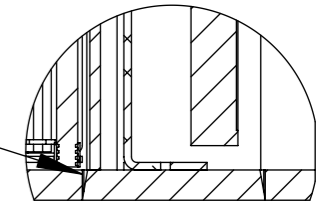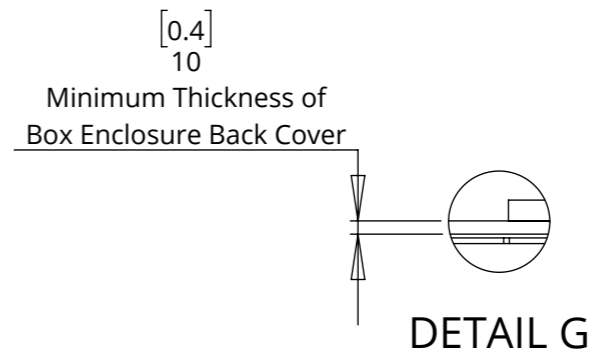## INVERTED LIFT SYSTEM FOR BOX ENCLOSURE

MECHANISM DOWN - IN CABINET

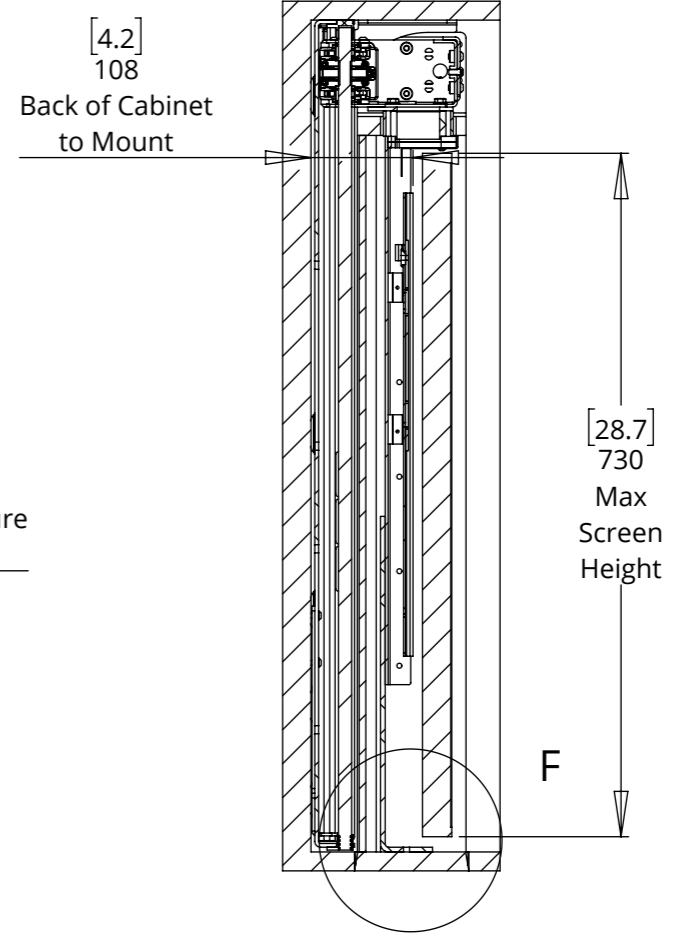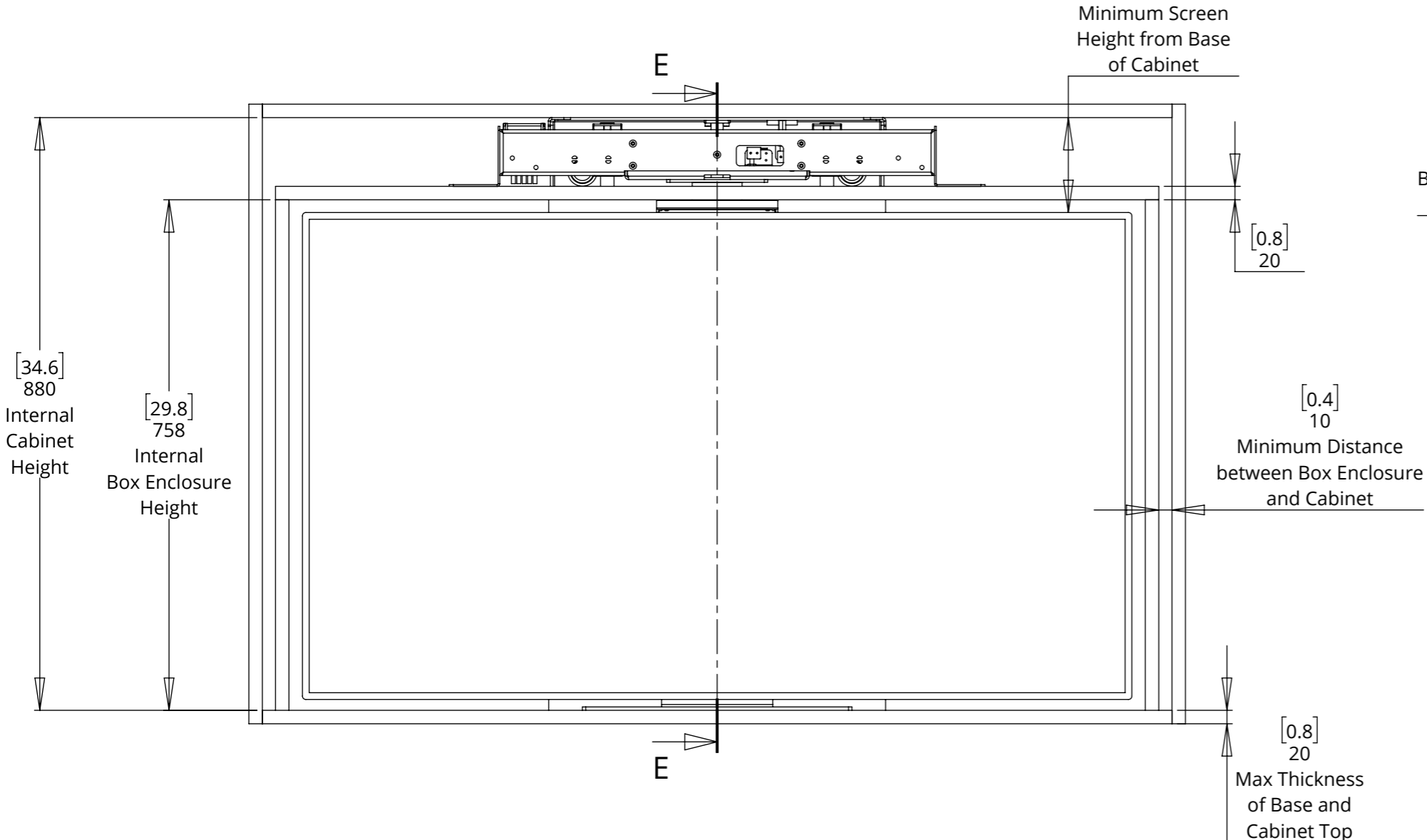Shown with tapered Box Enclosure Lid in square Cabinet Aperture.

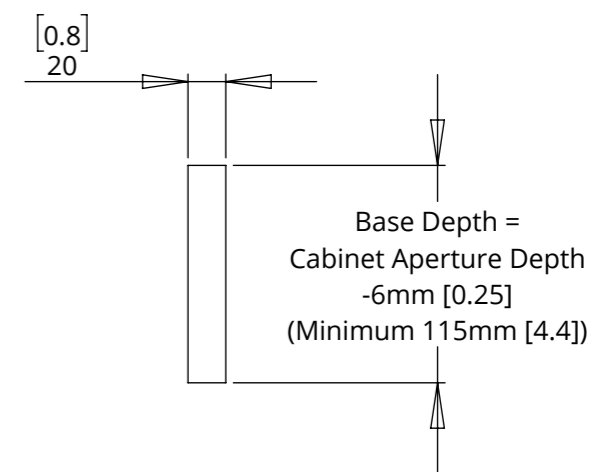A tapered Cabinet Aperture can be used to improve the fit.

DETAIL F

Aperture Width = Screen Width +80mm [3.1]

Aperture Depth = Screen Depth + 83 [3.25] (Minimum 121 [4.75])

$\begin{bmatrix} 0.4 \end{bmatrix}$ 10
Minimum Thickness of Box Enclosure Back Cover

$\begin{bmatrix} 19.7 \end{bmatrix}$ 500
Minimum width of opening in rear face of Box Enclosure

DETAIL G

$\begin{bmatrix} 5.6 \end{bmatrix}$ 142
Minimum Screen Height from Base of Cabinet

$\begin{bmatrix} 4.2 \end{bmatrix}$ 108
Back of Cabinet to Mount

$\begin{bmatrix} 0.8 \end{bmatrix}$ 20

$\begin{bmatrix} 34.6 \end{bmatrix}$ 880
Internal Cabinet Height

$\begin{bmatrix} 29.8 \end{bmatrix}$ 758
Internal Box Enclosure Height

$\begin{bmatrix} 0.4 \end{bmatrix}$ 10
Minimum Distance between Box Enclosure and Cabinet

$\begin{bmatrix} 28.7 \end{bmatrix}$ 730
Max Screen Height

$\begin{bmatrix} 0.8 \end{bmatrix}$ 20
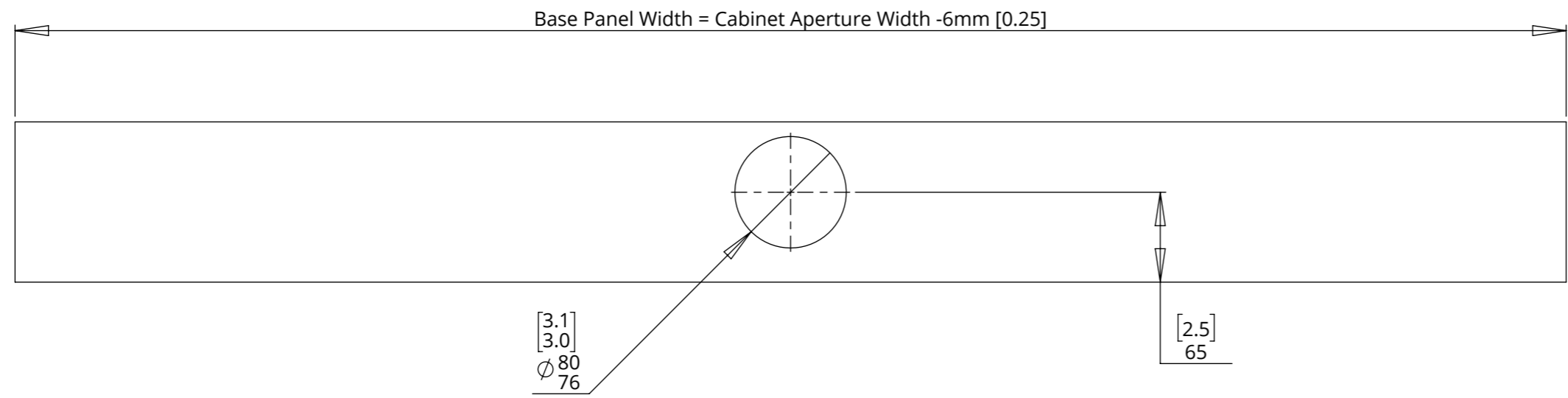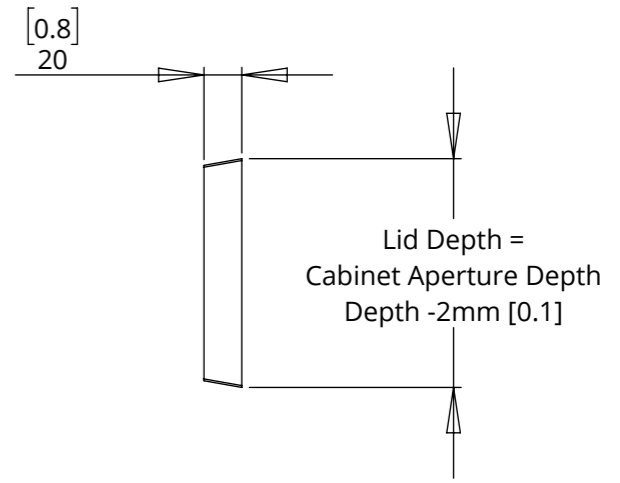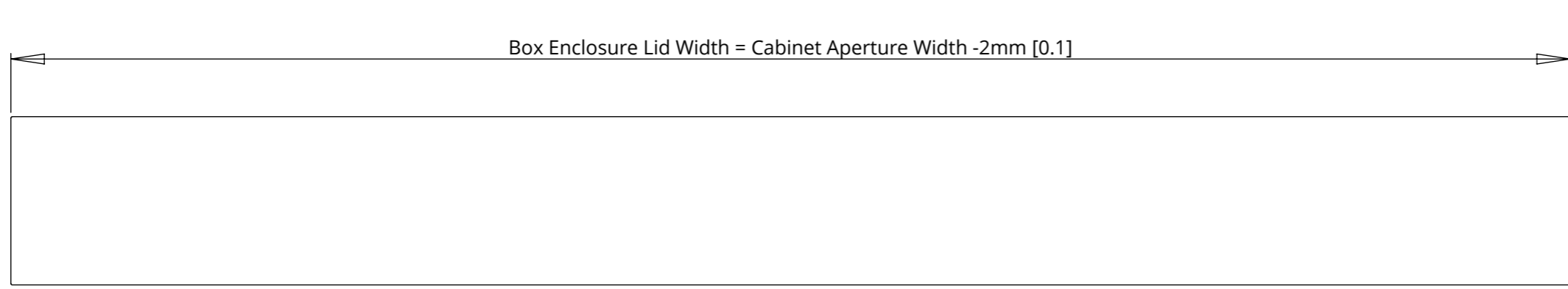Max Thickness of Base and Cabinet Top

SECTION E-E

I-LSM-BE 5
INVERTED LIFT SYSTEM FOR BOX ENCLOSURE

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BASE PANEL AND BOX ENCLOSURE LID DETAILS

NOTE: A tapered Box Enclosure Lid creates a good fit
in the Cabinet Aperture and helps the Box Enclosure to
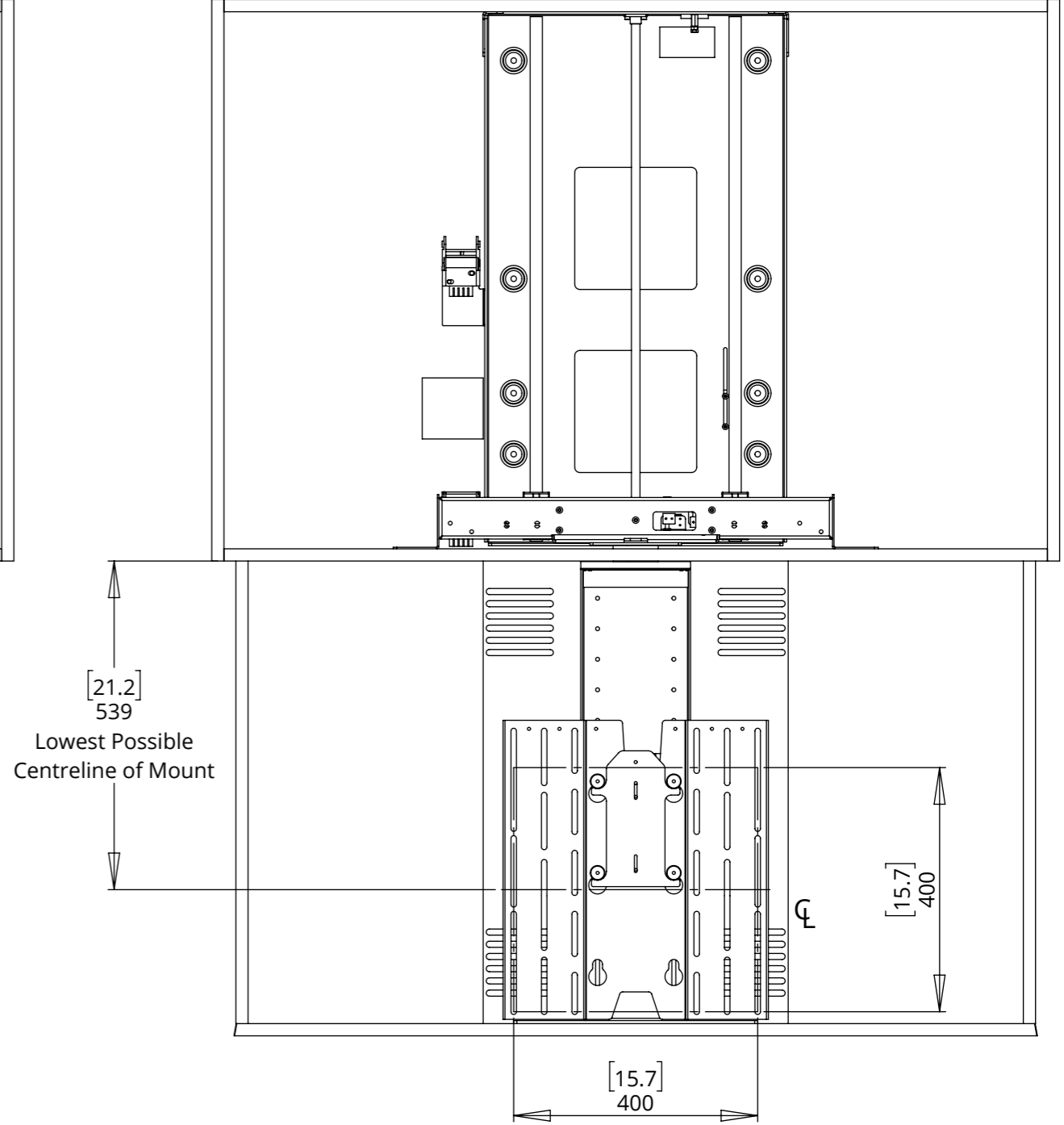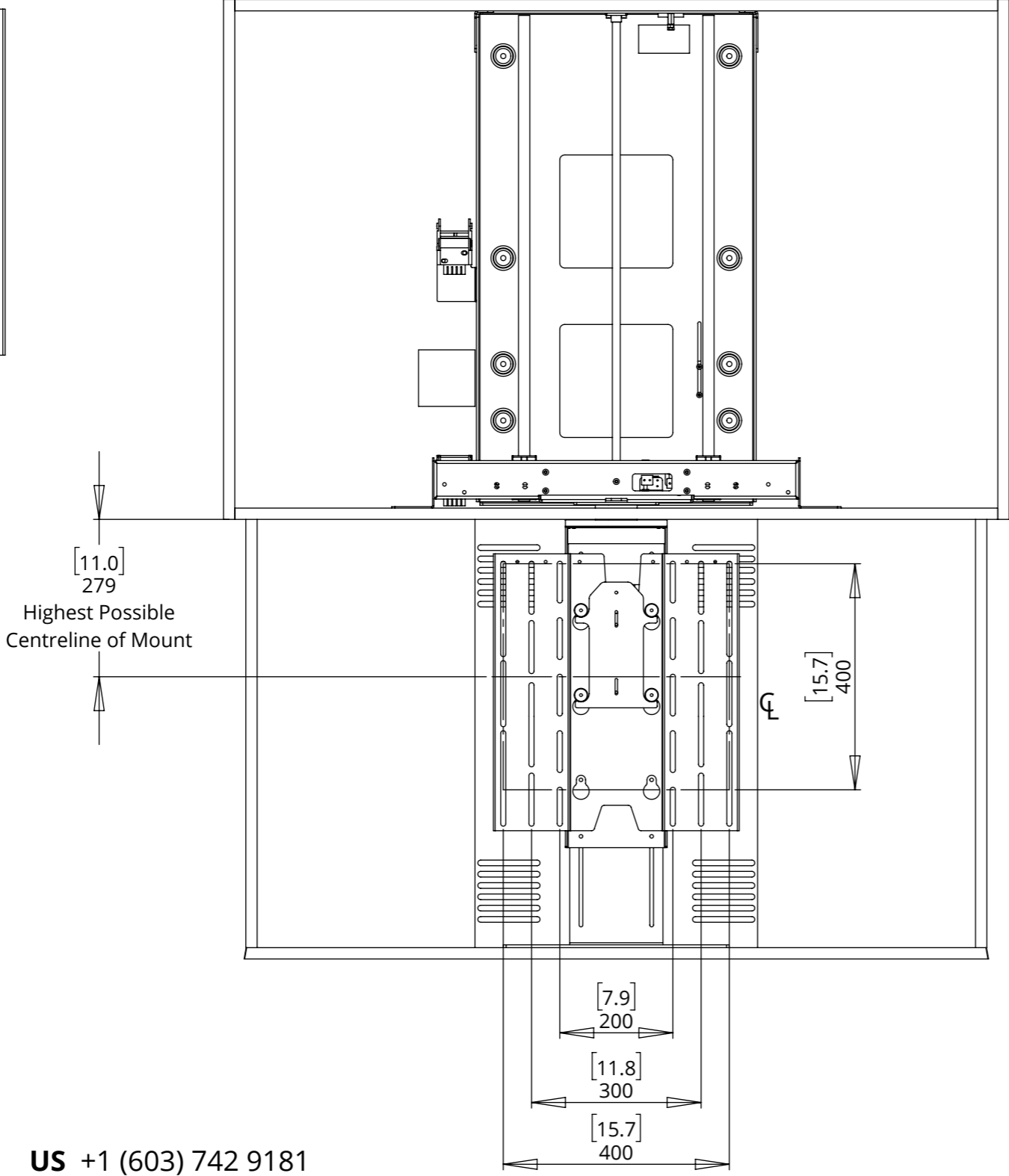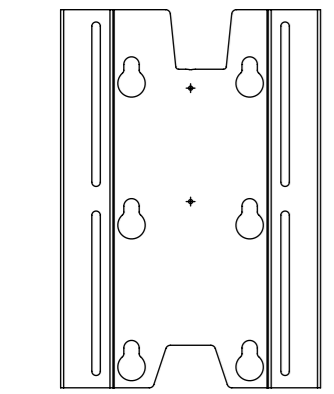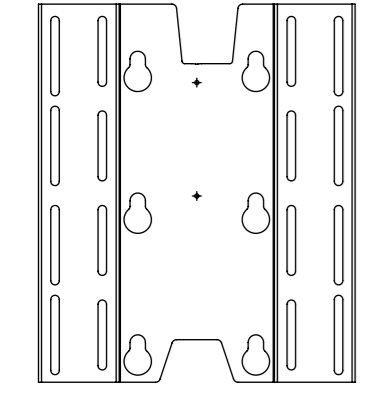locate within the cabinet.

Box Enclosure Lid Width = Cabinet Aperture Width -2mm [0.1]

[0.8]
20

Lid Depth =
Cabinet Aperture Depth
Depth -2mm [0.1]

Base Panel Width = Cabinet Aperture Width -6mm [0.25]

[0.8]
20

Base Depth =
Cabinet Aperture Depth
-6mm [0.25]
(Minimum 115mm [4.4])
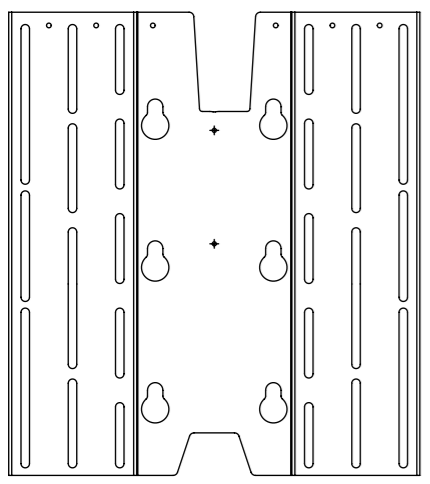
[3.1]
[3.0]
⌀ 80
76

[2.5]
65

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INVERTED LIFT SYSTEM FOR BOX ENCLOSURE

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SCREEN MOUNT ADJUSTABILITY

A standard adjustable height VESA 400 mount is included. This is also compatible with VESA 300 and 200 mounting patterns
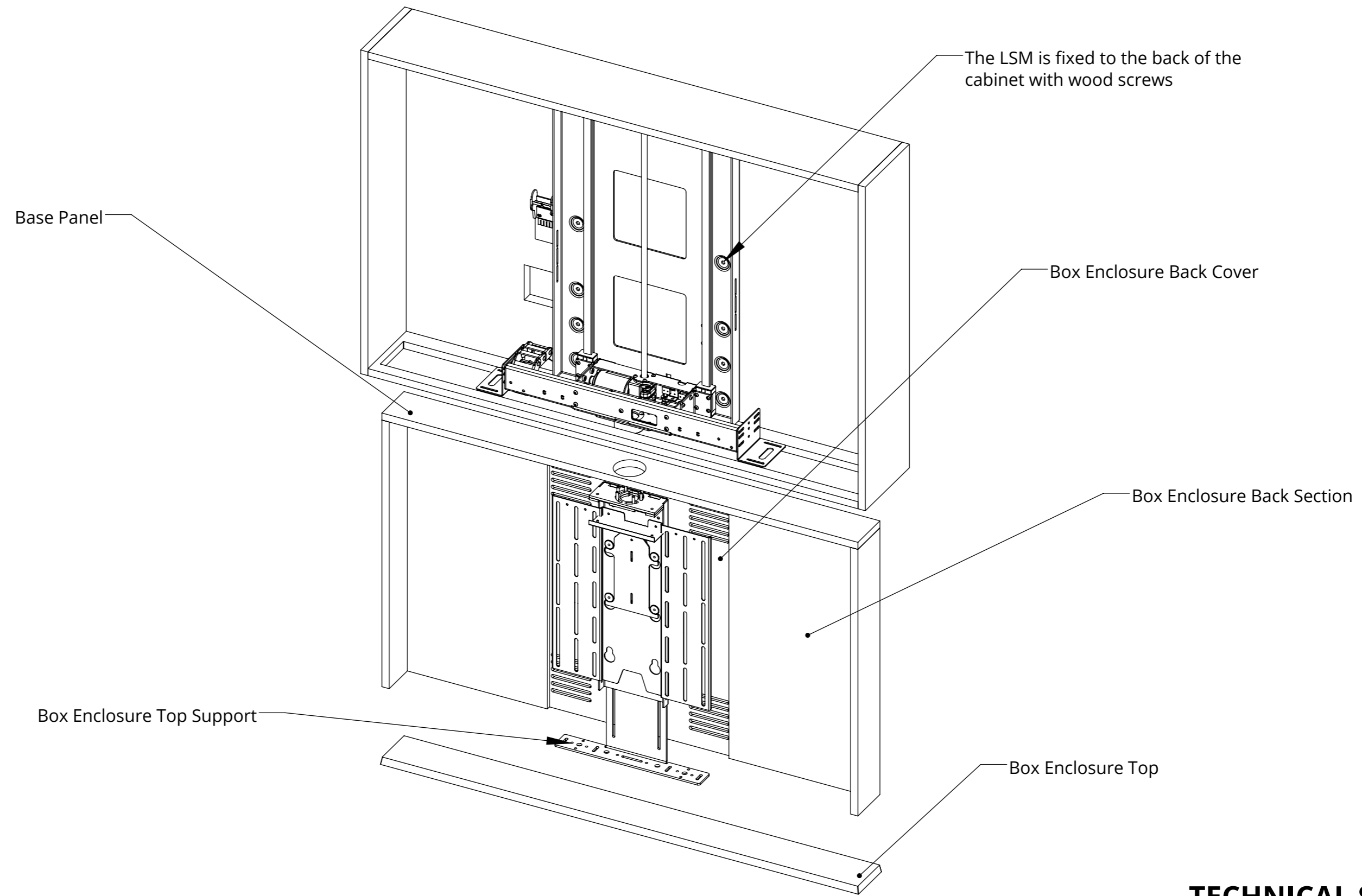
Separate VESA 300 and 200 mounts are available.

V400

V300

V200

[11.0]
279
Highest Possible
Centreline of Mount

[15.7]
400

[7.9]
200

[11.8]
300

[15.7]
400

[21.2]
539
Lowest Possible
Centreline of Mount

[15.7]
400

[15.7]
400

I-LSM-BE 5
INVERTED LIFT SYSTEM FOR BOX ENCLOSURE

MECHANISM INSTALLATION OVERVIEW

The LSM is fixed to the back of the cabinet with wood screws

Base Panel

Box Enclosure Back Cover

Box Enclosure Back Section

Box Enclosure Top Support

Box Enclosure Top

I-LSM-BE 5
INVERTED LIFT SYSTEM FOR BOX ENCLOSURE

OVERALL MECHANISM DIMENSIONS

MECHANISM - UP POSITION

[22.3]
568

[19.7]
501

[6.1]
154

[34.6]
880

[34.6]
878
Back
Tray
Height
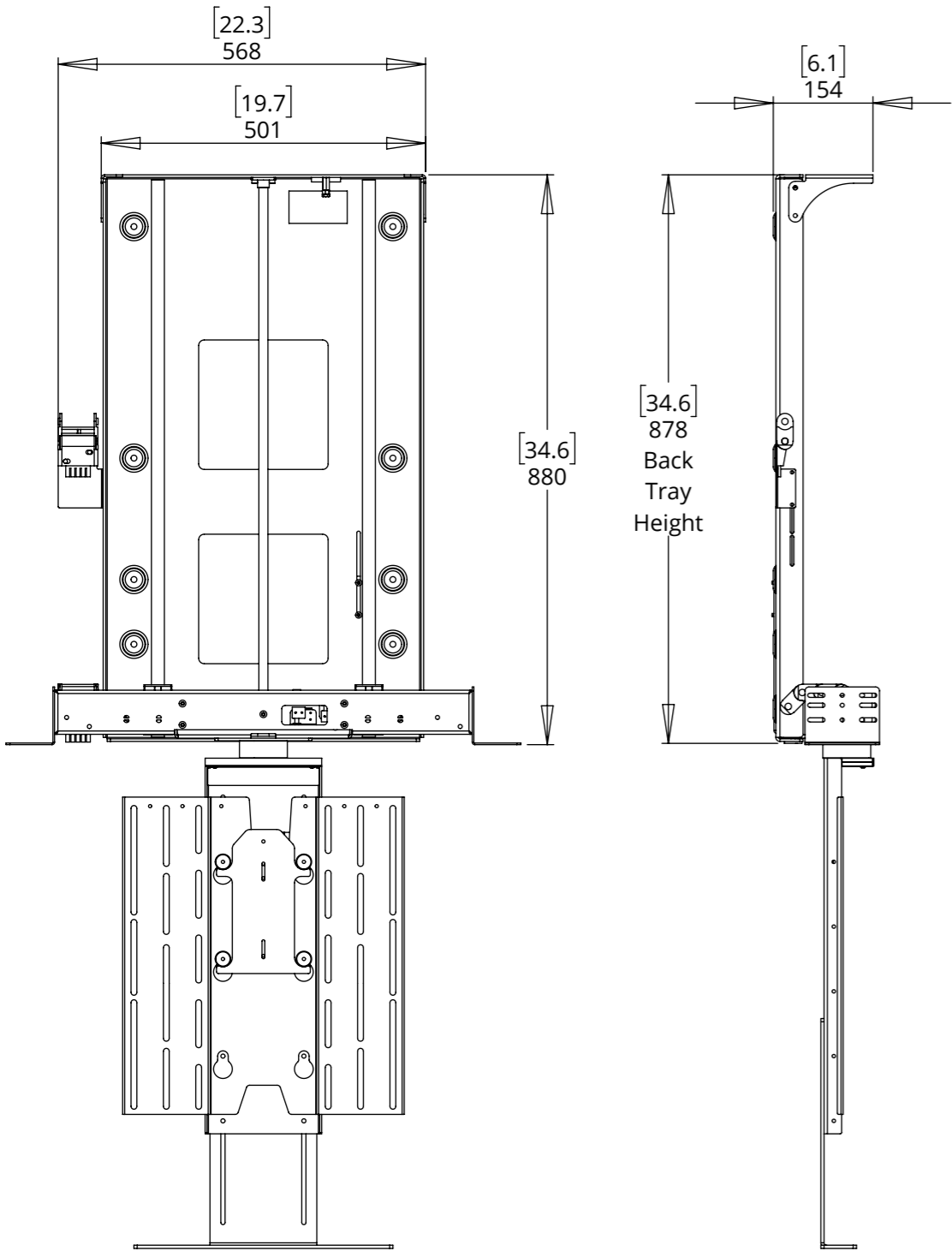
MECHANISM - DOWN POSITION

[31.3]
795

[6.3]
161

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