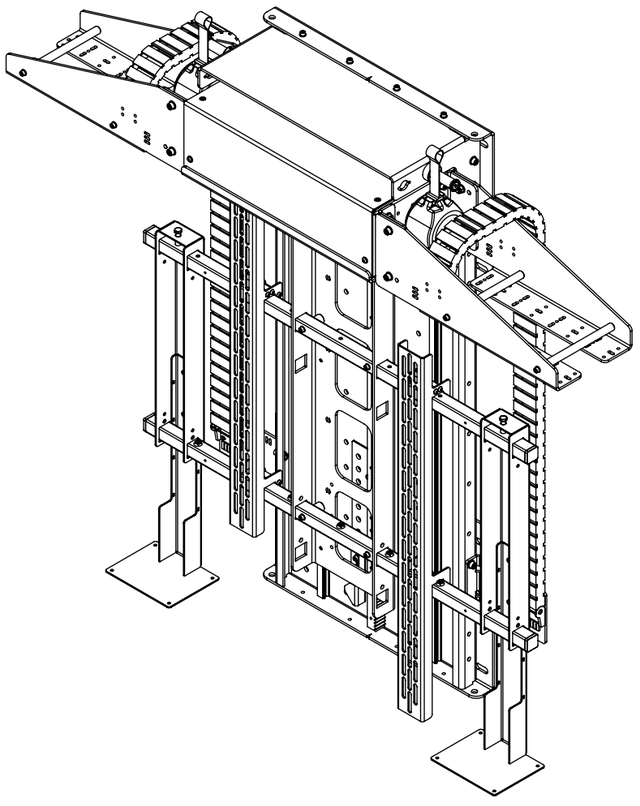
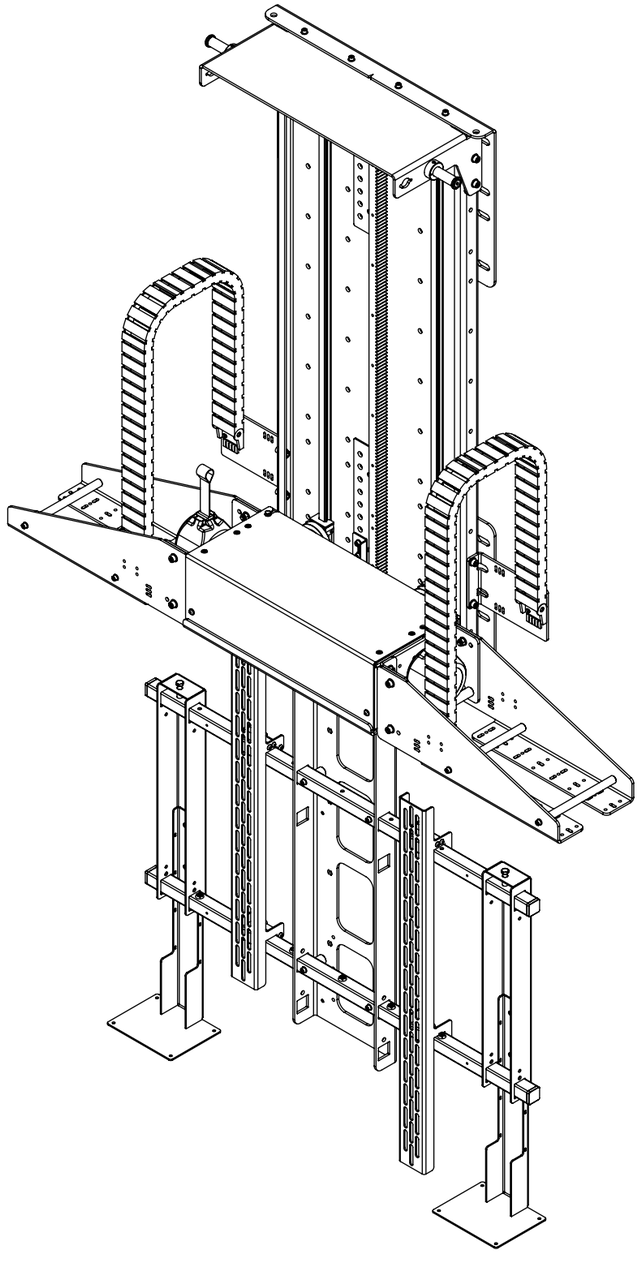
I-LSH7
INVERTED LIFT SYSTEM HEAVY





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TECHNICAL SHEET
ISSUE 002
SHEET 1

I-LSH7
INVERTED LIFT SYSTEM HEAVY

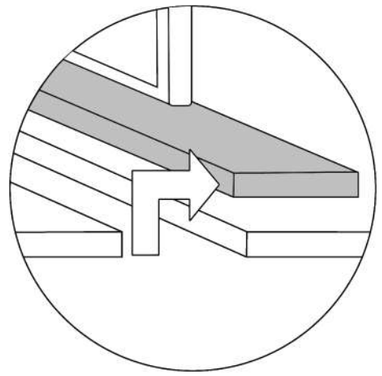
future automation

MODEL	DESCRIPTION	MIN SCREEN HEIGHT	MAX SCREEN HEIGHT
I-LSH5	Inverted Lift for 55" Screens	680 [26 3/4"]	800 [31 1/2"]
I-LSH6	Inverted Lift for 65" Screens	800 [31 1/2"]	920 [36 1/4"]
I-LSH7	**Inverted Lift for 75" Screens**	**920 [36 1/4"]**	**1040 [40 15/16"]**
I-LSH8	Inverted Lift for 85" Screens	1040 [40 15/16"]	1160 [45 11/16"]
I-LSH9	Inverted Lift for 98" Screens	1160 [45 11/16"]	1280 [50 3/8"]
I-LSH10	Inverted Lift for 105" Screens	1280 [50 3/8"]	1400 [55 1/8"]

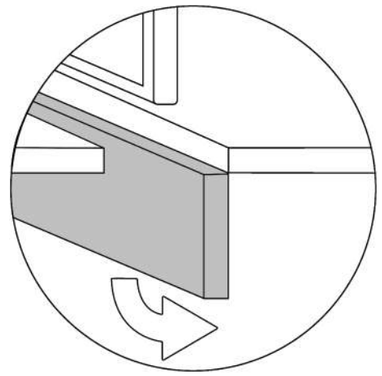
ADDITIONAL MOTOR OPTIONS:

Z - SERVO MOTOR
Higher lifting capacity & faster operation.
Upon Request: I-LSHZ

ADDITIONAL FLAP OPTIONS:

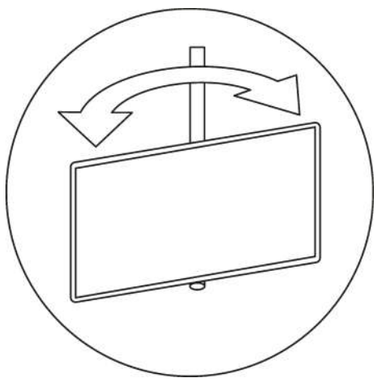


RSP - RAISE & SLIDE
Upon Request: I-LSH-RSP

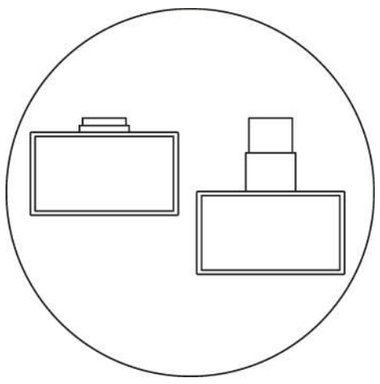


HF - HINGING FLAP
Upon Request: I-LSH-HF

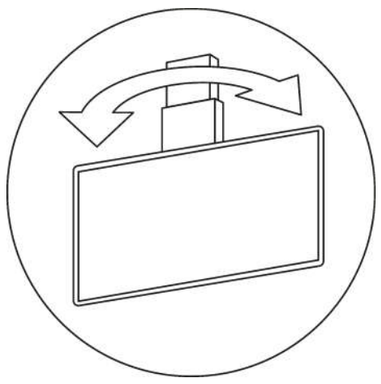
ADDITIONAL MOVEMENT OPTIONS:



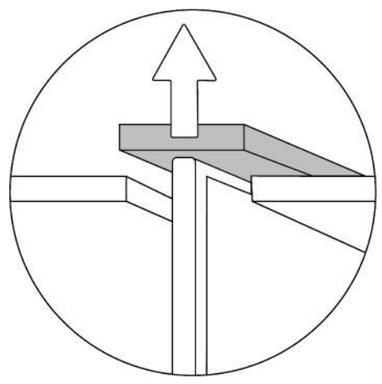
S - SWIVEL
Upon Request: I-LSH-S



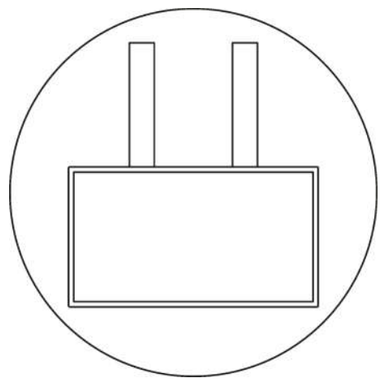
TU - TELESCOPE
Upon Request: I-LSH-TU



S-TU - SWIVEL & TELESCOPE
Upon Request: I-LSH-S-TU



VERTICAL
See LSH



EP - EXTENSION POLE
Upon Request: I-LSH-EP

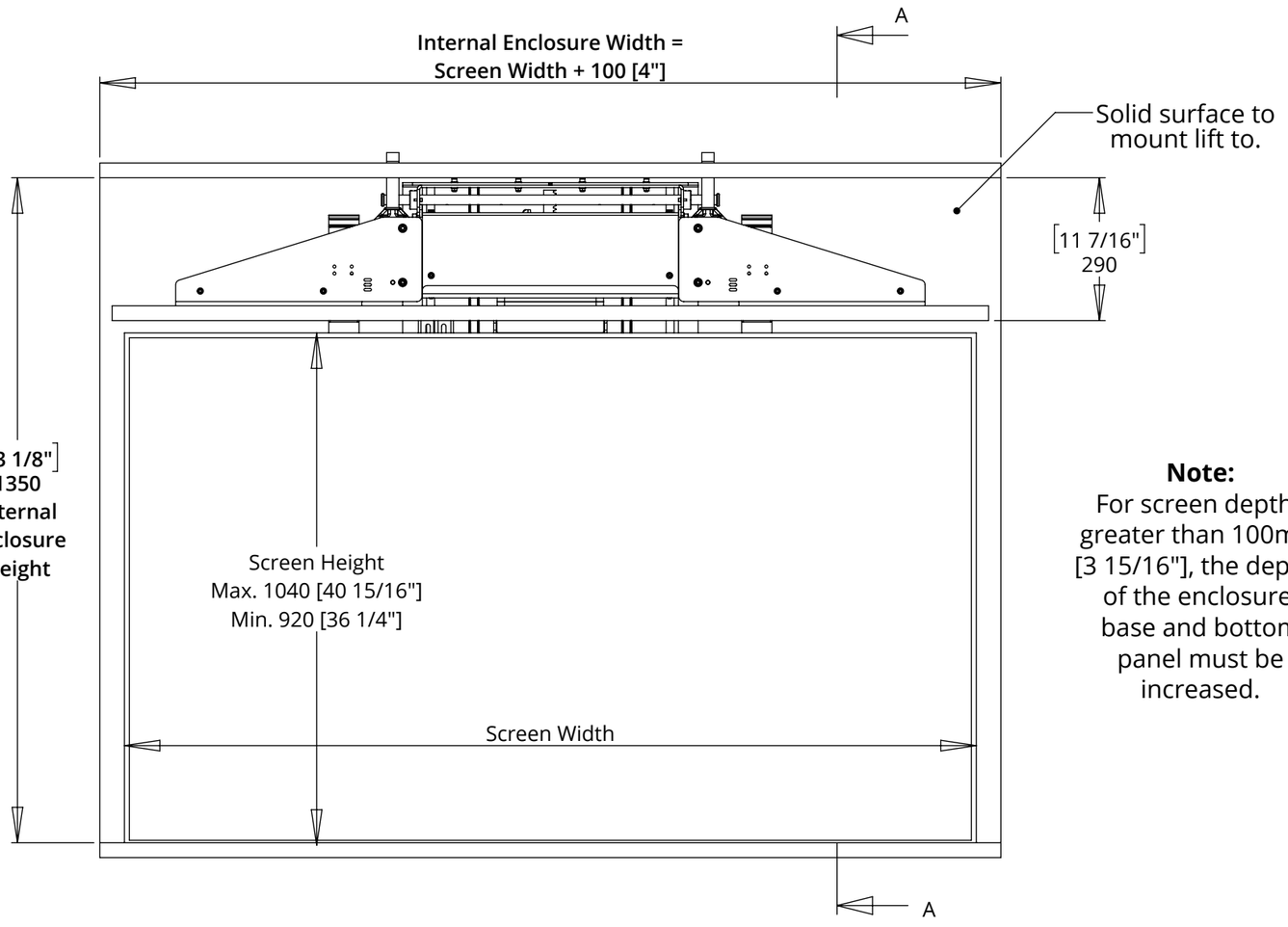
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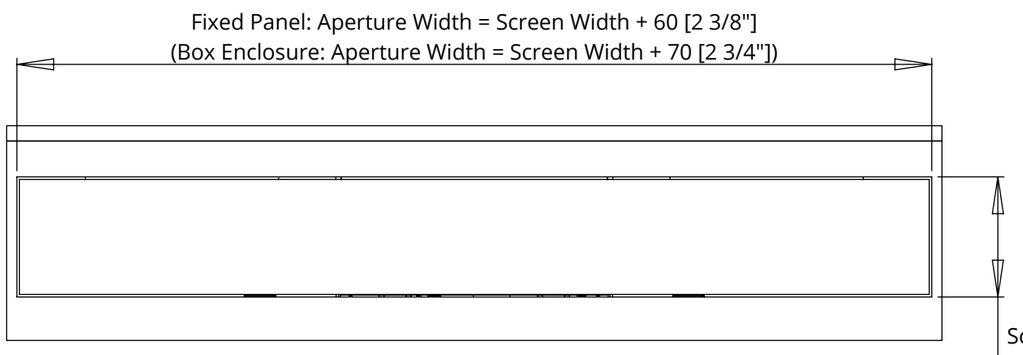
I-LSH7
INVERTED LIFT SYSTEM HEAVY

SPECIFICATION	MEASUREMENTS
Maximum Screen Height	1040mm [40 15/16"]
Minimum Screen Height	920mm [36 1/4"]
Maximum Lifting Capacity	100Kg [220lbs] (Higher Lifting Capacity Option Available, see I-LSHZ7)
Internal Cabinet Height	1350mm [53 1/8"]
Packaging Dimensions	TBC
Shipping Weight	TBC
Movement Type	Motorised
Speed	TBC
Power Supply Required	110V - 240V AC
Power Consumption	250 - 500W
Power Consumption Standby	3W
Mounting Patterns Supported	VESA 600, 400, 300 W x 600, 400, 300 H
Control Options	IR Remote, RS232, Contact Closure, RF Available
Colour Options	Custom RAL paint finishes
Package Contents	Mechanism, IR remote control
Marine Suitable	Yes
Outdoor Suitable	No (Marine Outdoor Option Available on Request)

I-LSH7
INVERTED LIFT SYSTEM HEAVY

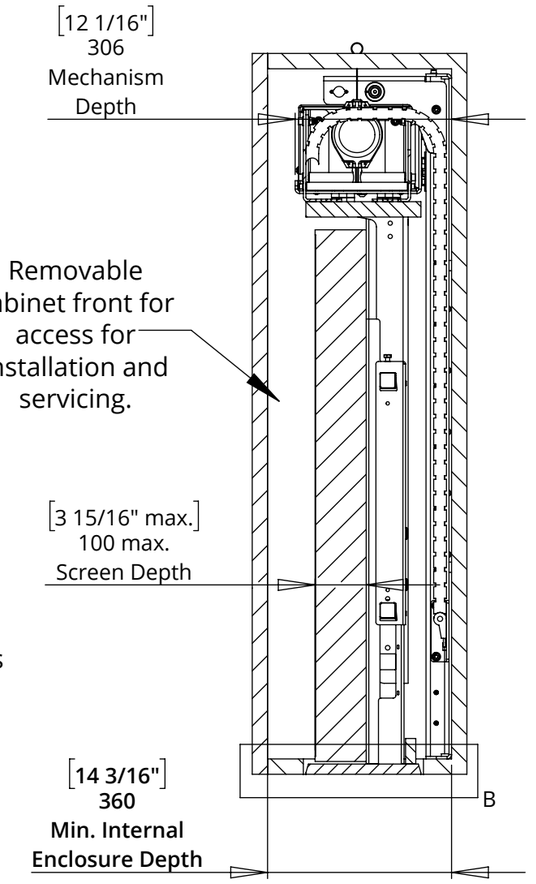
GENERAL DIMENSIONS



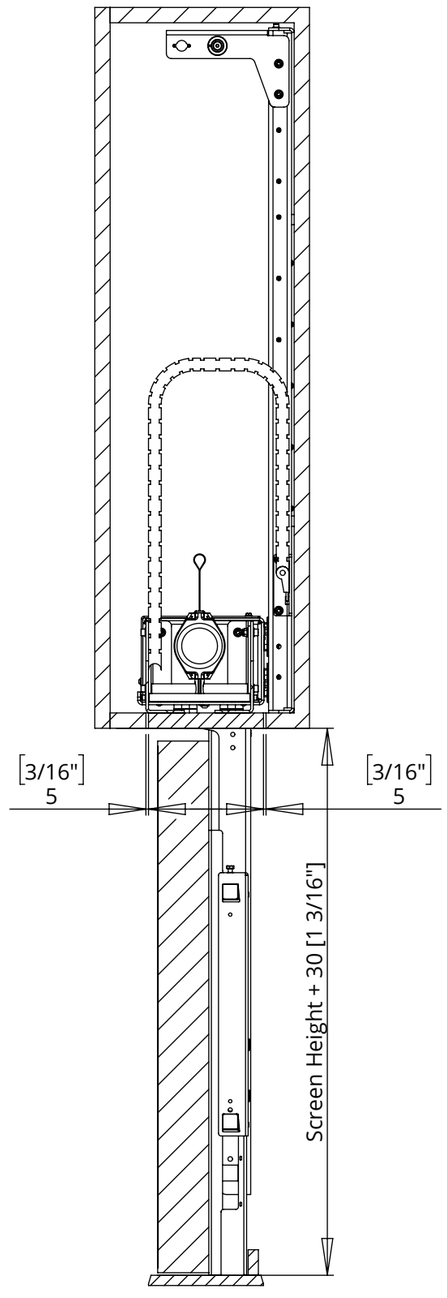


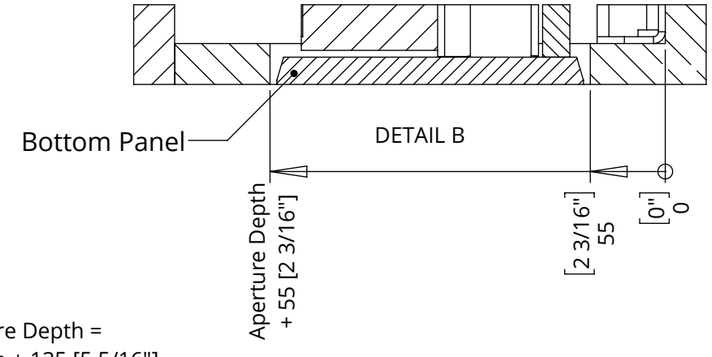
Note:
For screen depths greater than 100mm [3 15/16"], the depths of the enclosure, base and bottom panel must be increased.

SECTION A-A
MECH UP



SECTION B-B
MECH DOWN





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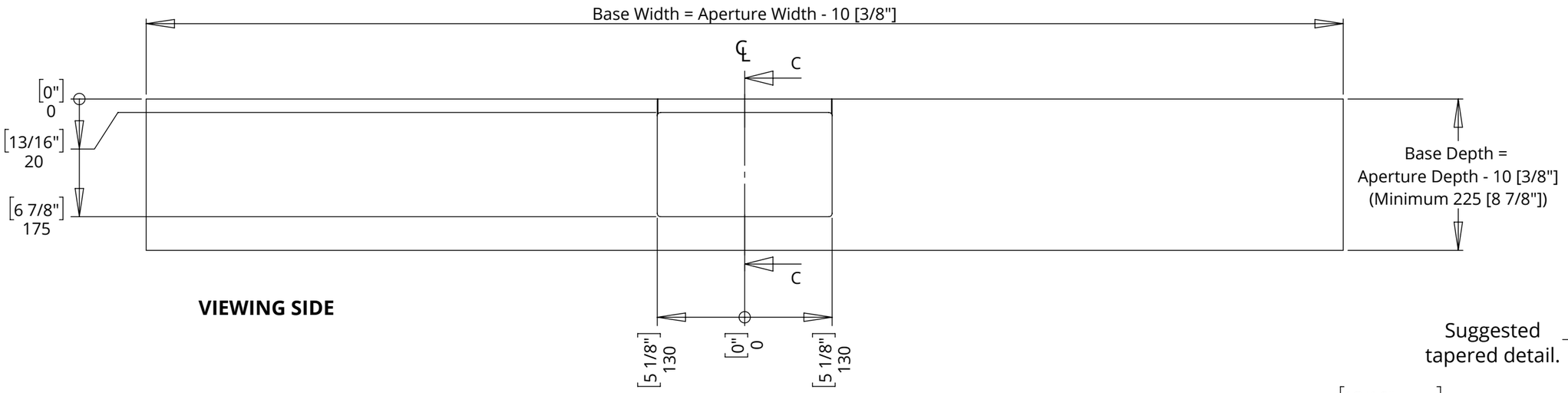
TECHNICAL SHEET
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SHEET 4

I-LSH7
INVERTED LIFT SYSTEM HEAVY

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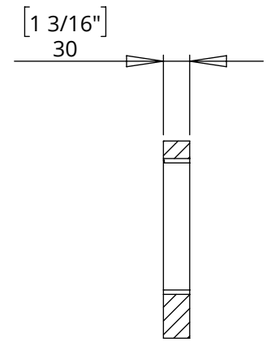
BASE PANEL AND BOTTOM PANEL DETAILS

BASE PANEL

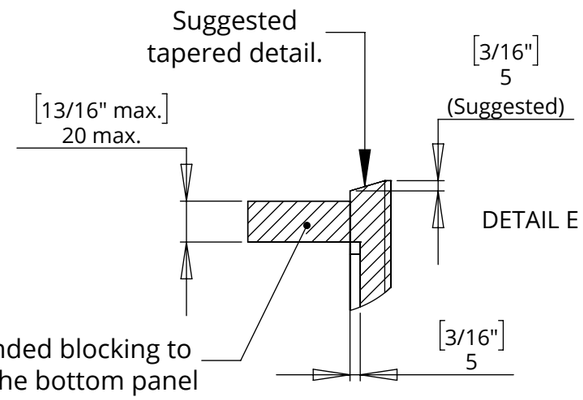


VIEWING SIDE

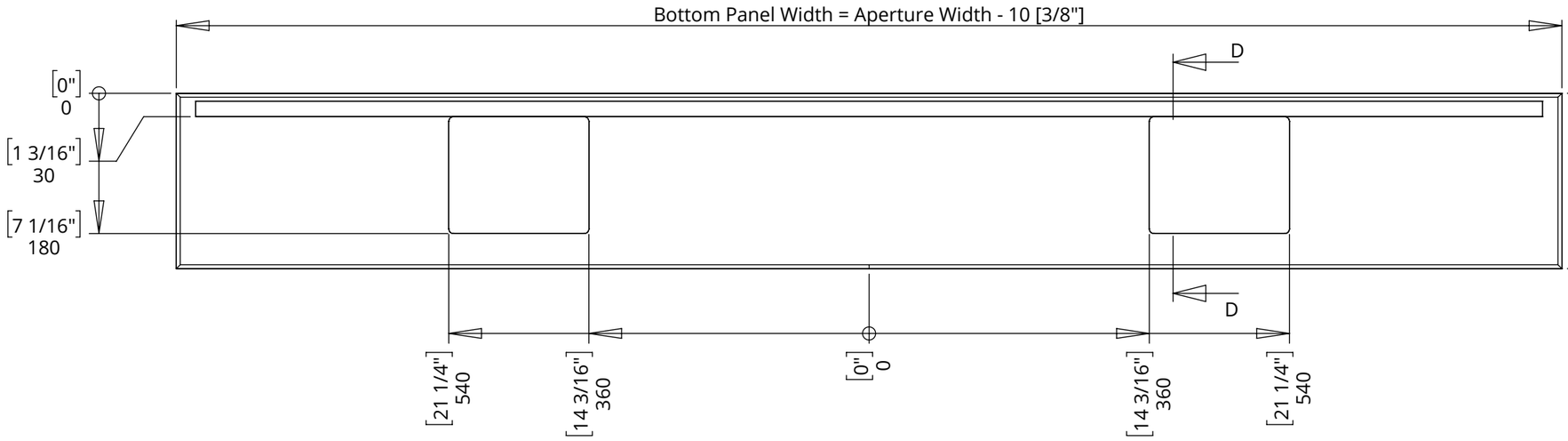
Base thickness to be equal to or larger than the cabinet thickness.

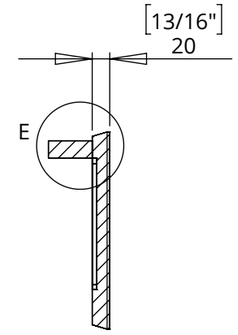


SECTION C-C



BOTTOM PANEL





SECTION D-D

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SHEET 5

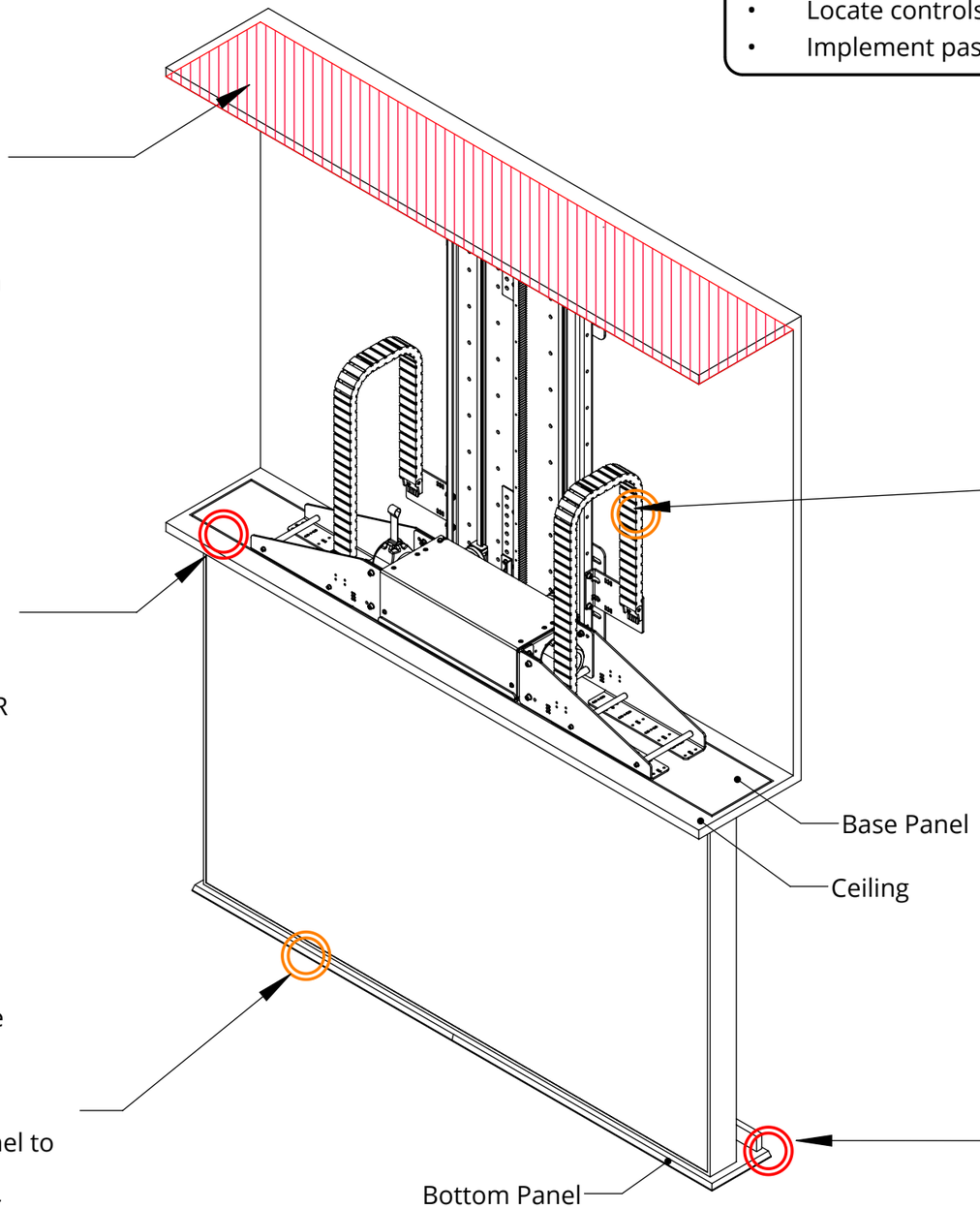
I-LSH7
INVERTED LIFT SYSTEM HEAVY

FIXED PANEL - INTEGRATION CONSIDERATIONS

General Mitigations:
- Activate hold-to-run/dead-man switch operation.
- Locate controls within direct line of sight of the mechanism.
- Implement password or key switch protected operation.

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

Mitigation
Ensure the area above 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 - Crushing 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.

High Risk - Crushing Hazard
Crush hazard at the cabinet aperture when mechanism is opening.

Mitigation
A Tapeswitch can be installed above the ceiling aperture to detect any obstructions. Scan the QR code and navigate to the Cabinet Guidelines document for further details.

High Risk - Crushing Hazard
Crush hazard between the bottom panel and the cabinet bottom when the mechanism is closing.

Mitigation
A Tapeswitch can be installed on the bottom panel to detect any obstructions. Scan the QR code and navigate to the Cabinet Guidelines document for further details.

High Risk - Crushing Hazard
Crush hazard between the bottom panel and any object placed below when the mechanism is openning.

Mitigation
A Tapeswitch can be installed on the bottom panel to detect any obstructions. Scan the QR code and navigate to the Cabinet Guidelines document for further details.

The installer is responsible for conducting a site-specific risk assessment. Due to the unique conditions of each installation, Future Automation cannot provide an exhaustive list of all potential risks.
Installers must ensure that all risks associated with installation, operation, and maintenance are identified and mitigated in accordance with applicable legislation and best practice.
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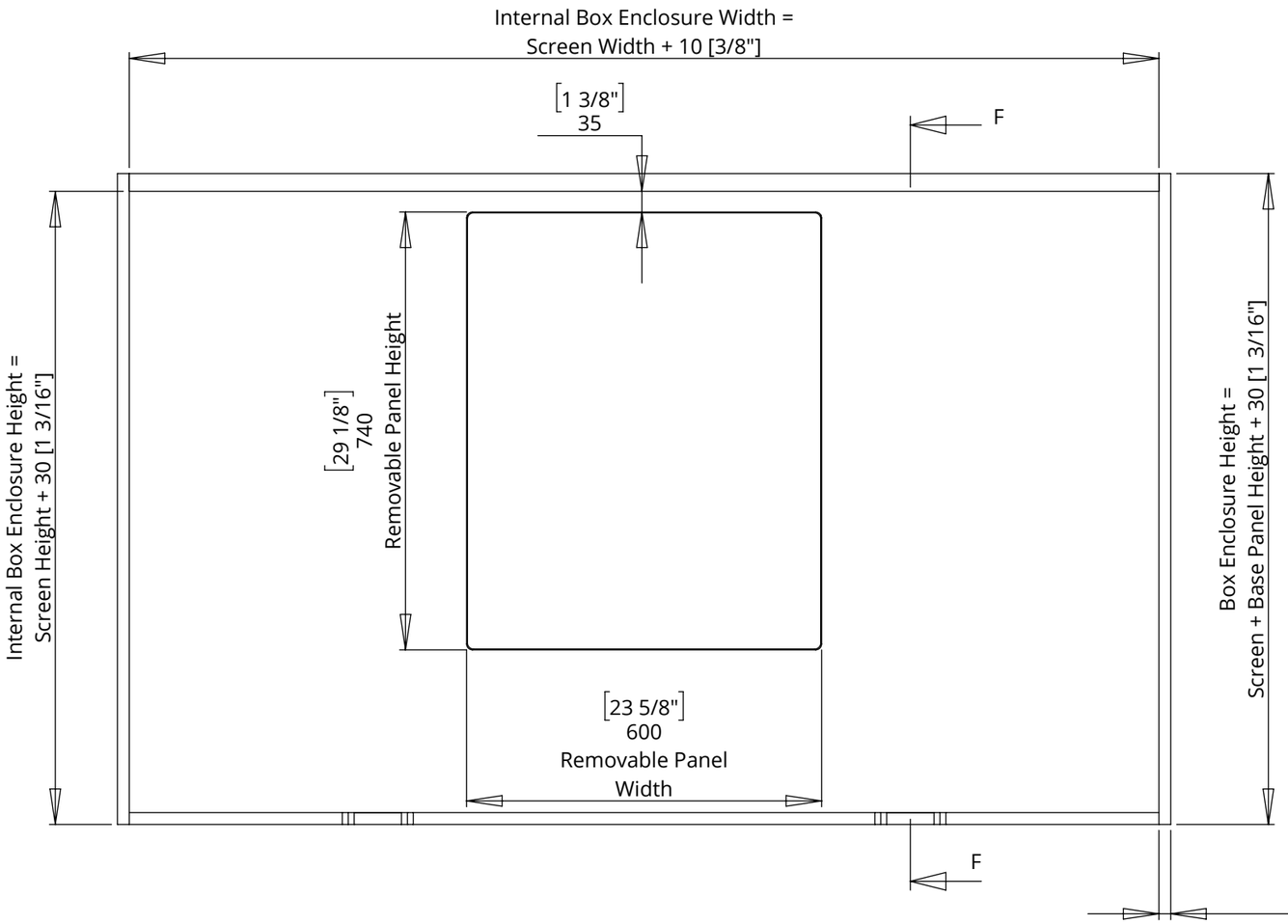
I-LSH7
INVERTED LIFT SYSTEM HEAVY

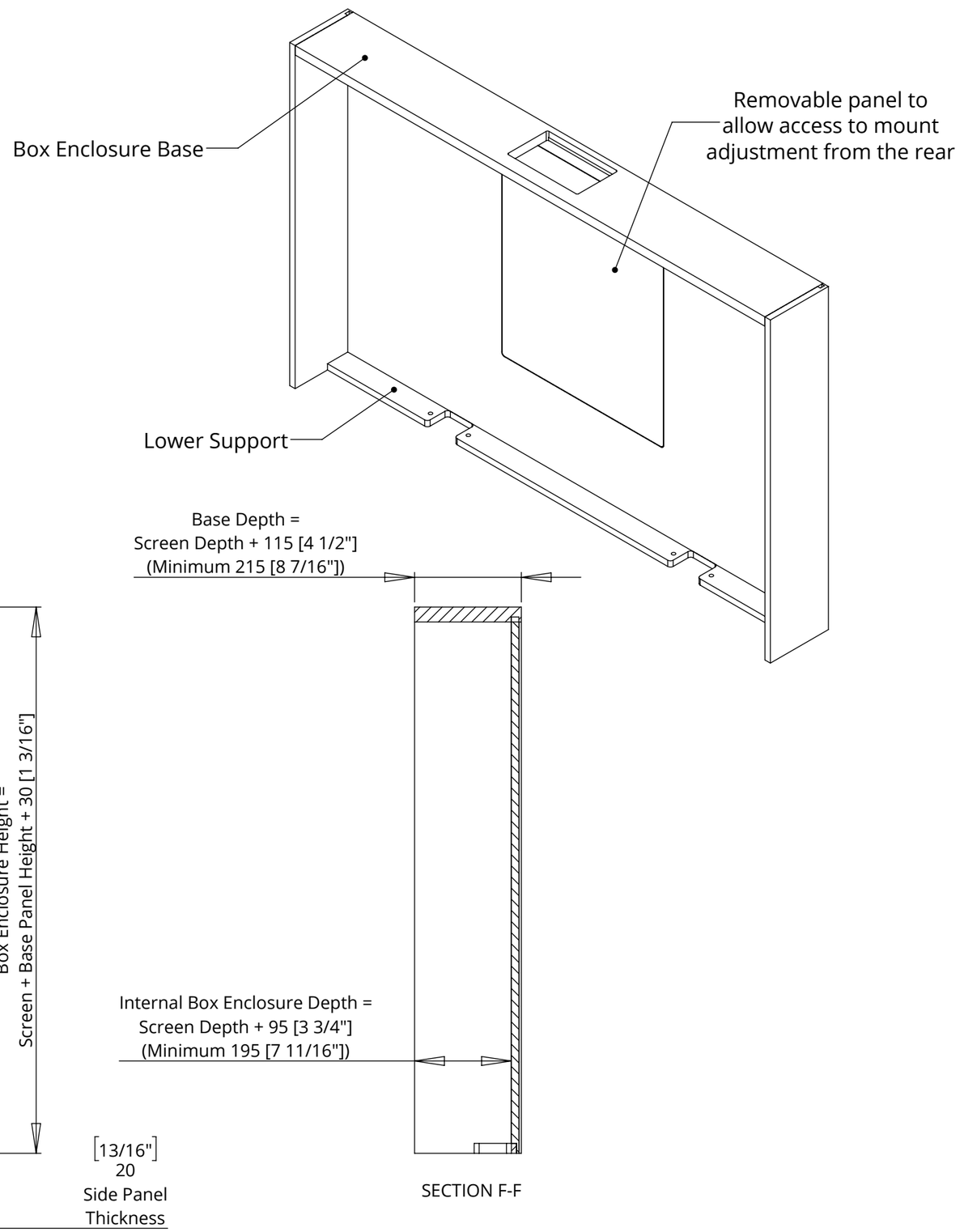
BOX ENCLOSURE DETAILS

For size specific box enclosures with further details, please see CAD.

Maximum lifting capacity: 100kg [220lbs]

Z - SERVO MOTOR
Higher lifting capacity & faster operation.
See I-LSHZ





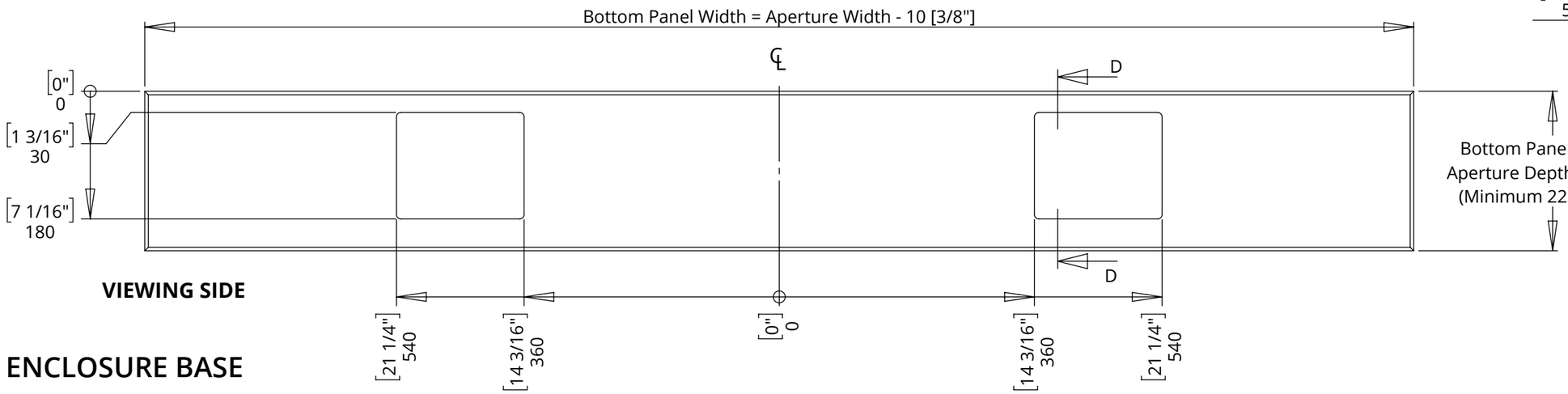
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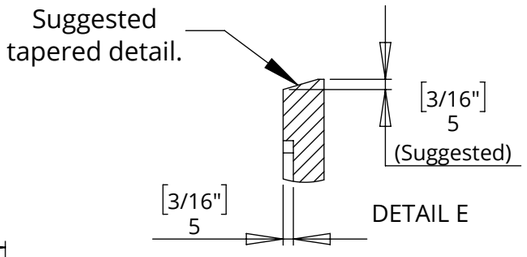
TECHNICAL SHEET
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SHEET 7

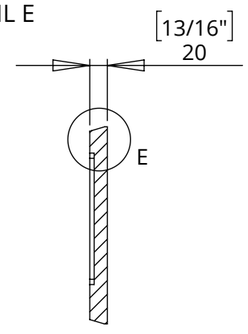
I-LSH7
INVERTED LIFT SYSTEM HEAVY

BOX ENCLOSURE - BOX ENCLOSURE BASE PANEL DETAILS

BOTTOM PANEL

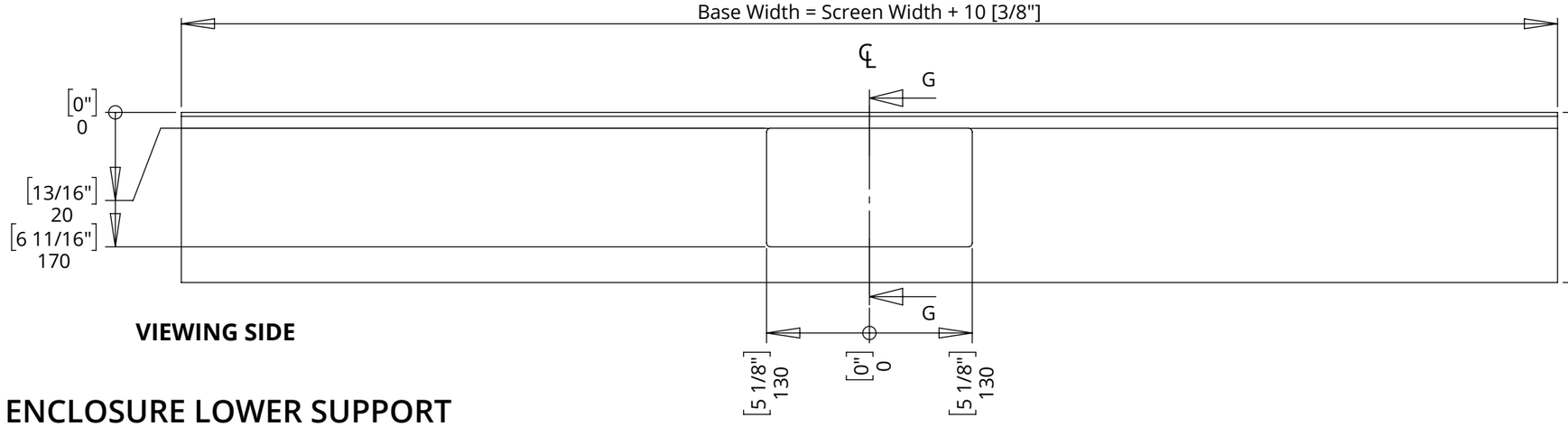


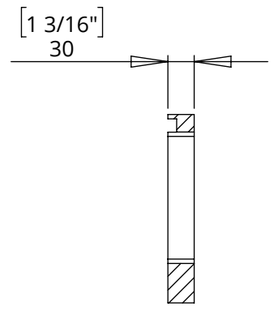




SECTION D-D

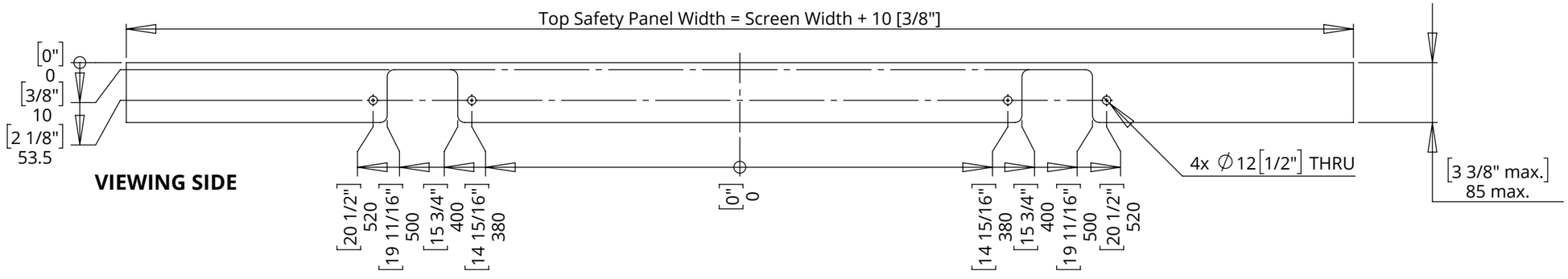
BOX ENCLOSURE BASE

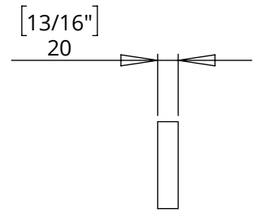




SECTION G-G

BOX ENCLOSURE LOWER SUPPORT





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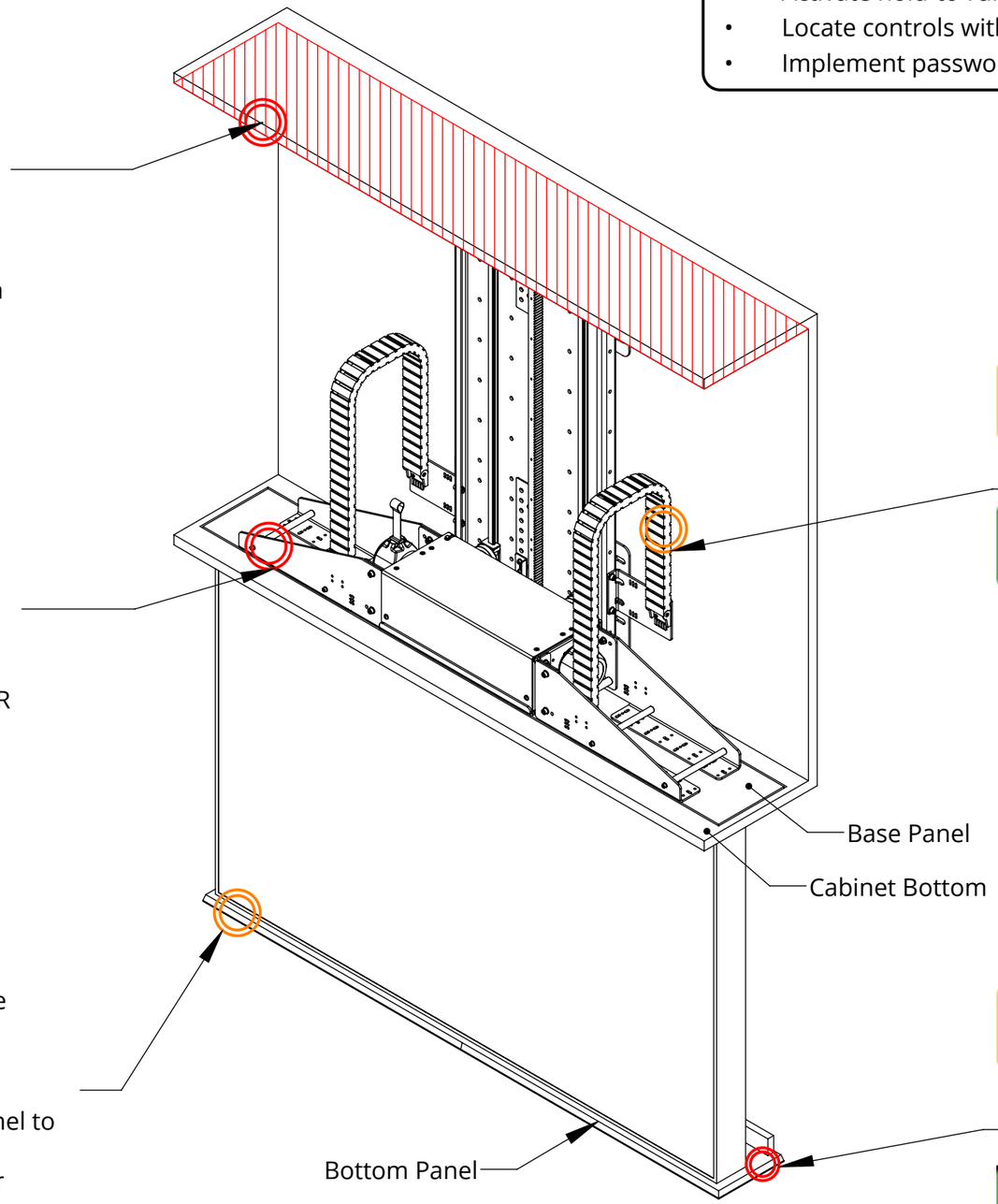
I-LSH7
INVERTED LIFT SYSTEM HEAVY

BOX ENCLOSURE - INTEGRATION CONSIDERATIONS

General Mitigations:
- Activate hold-to-run/dead-man switch operation.
- Locate controls within direct line of sight of the mechanism.
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High Risk - Crushing Hazard
Crush hazard above the mechanism when the mechanism is closing.

Mitigation
Ensure the area above 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 - Crushing 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.

High Risk - Crushing Hazard
Crush hazard at the cabinet aperture when mechanism is opening.

Mitigation
A Tapeswitch can be installed above the ceiling aperture to detect any obstructions. Scan the QR code and navigate to the Cabinet Guidelines document for further details.

Tape Switch Integration
https://fa.support/Files/Tape-Switch

High Risk - Crushing Hazard
Crush hazard between the bottom panel and the cabinet bottom when the mechanism is closing.

Mitigation
A Tapeswitch can be installed on the bottom panel to detect any obstructions. Scan the QR code and navigate to the Cabinet Guidelines document for further details.

High Risk - Crushing Hazard
Crush hazard between the bottom panel and any object placed below when the mechanism is openning.

Mitigation
A Tapeswitch can be installed on the bottom panel to detect any obstructions. Scan the QR code and navigate to the Cabinet Guidelines document for further details.

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I-LSH7
INVERTED LIFT SYSTEM HEAVY

CABLE ROUTING

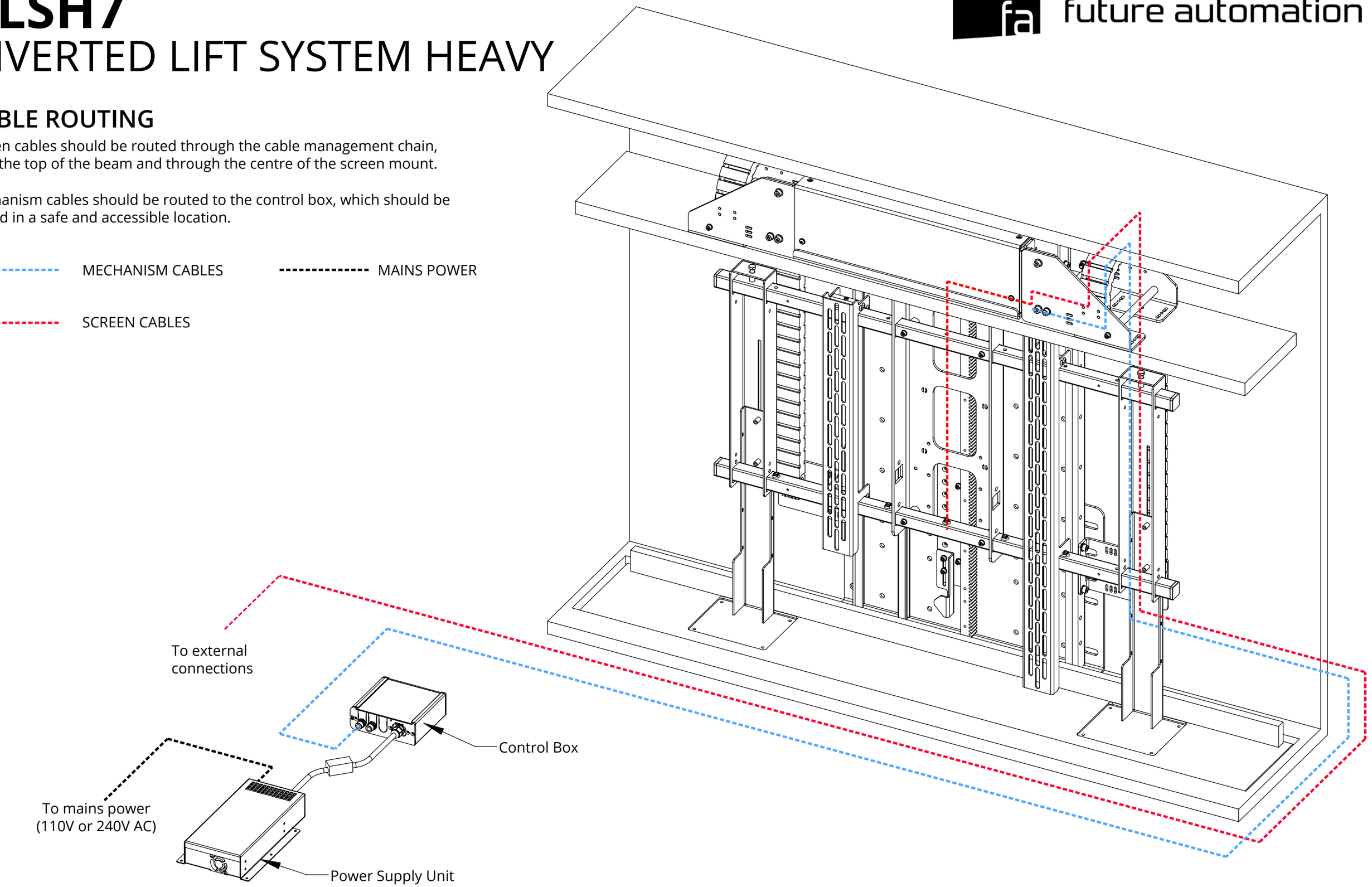
Screen cables should be routed through the cable management chain, over the top of the beam and through the centre of the screen mount.

Mechanism cables should be routed to the control box, which should be stored in a safe and accessible location.

MECHANISM CABLES

MAINS POWER

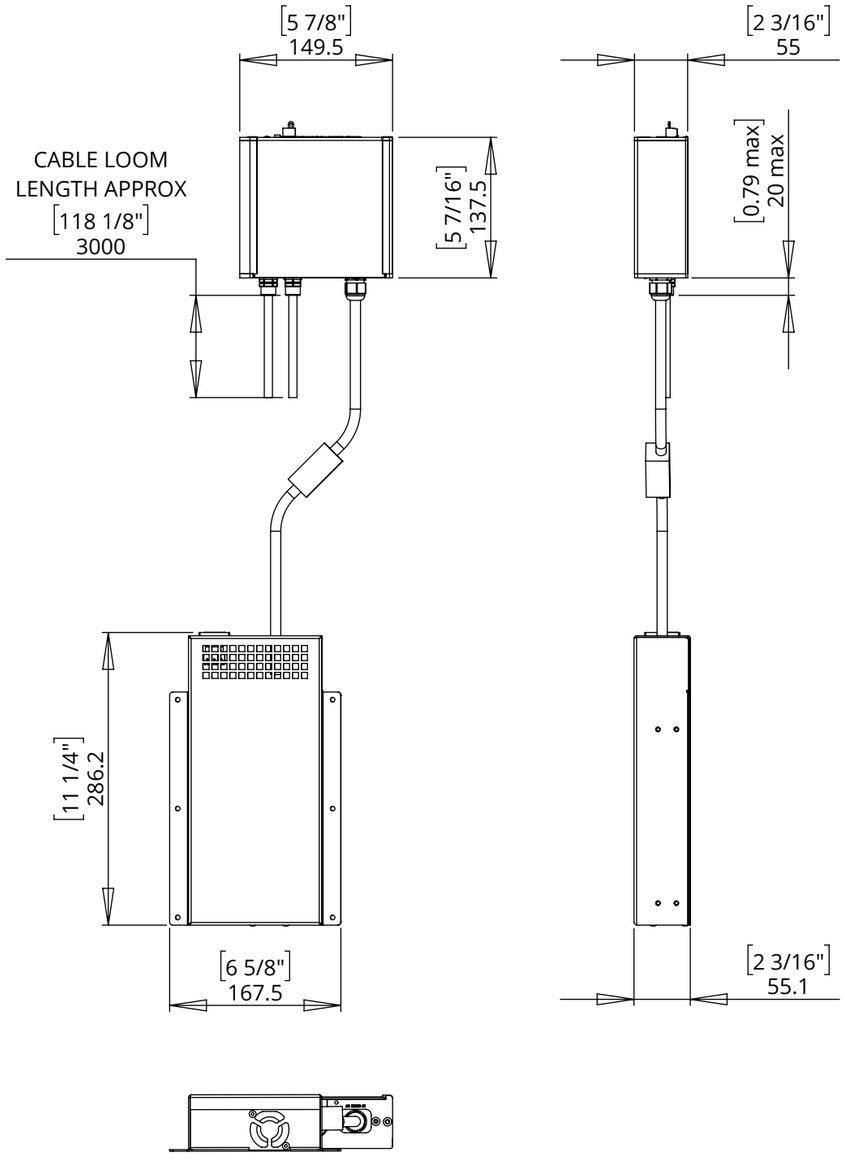
SCREEN CABLES

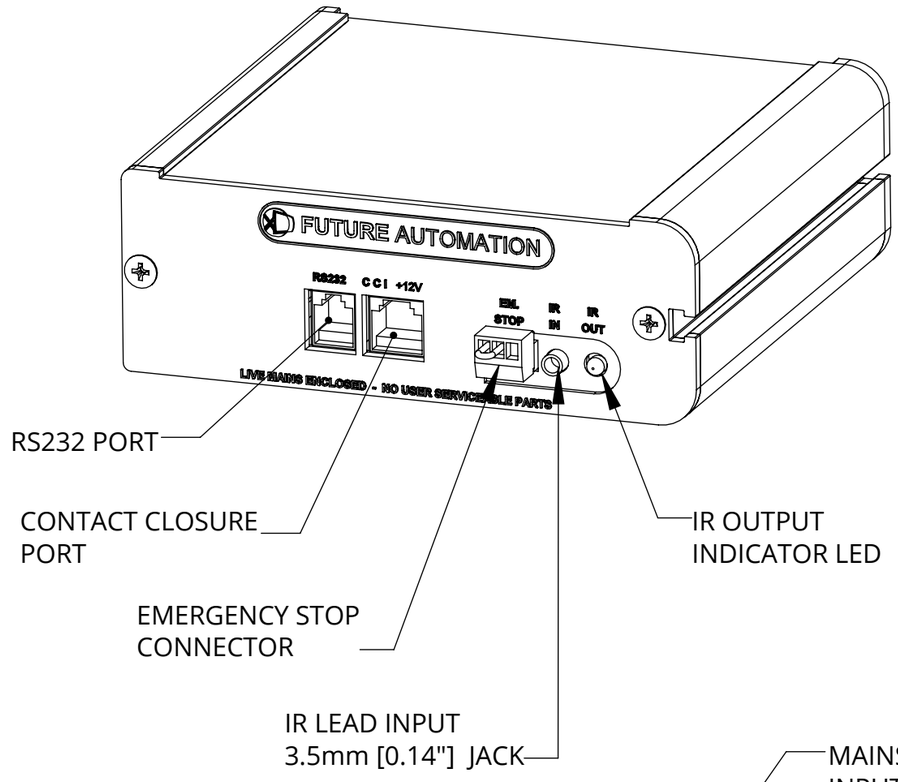


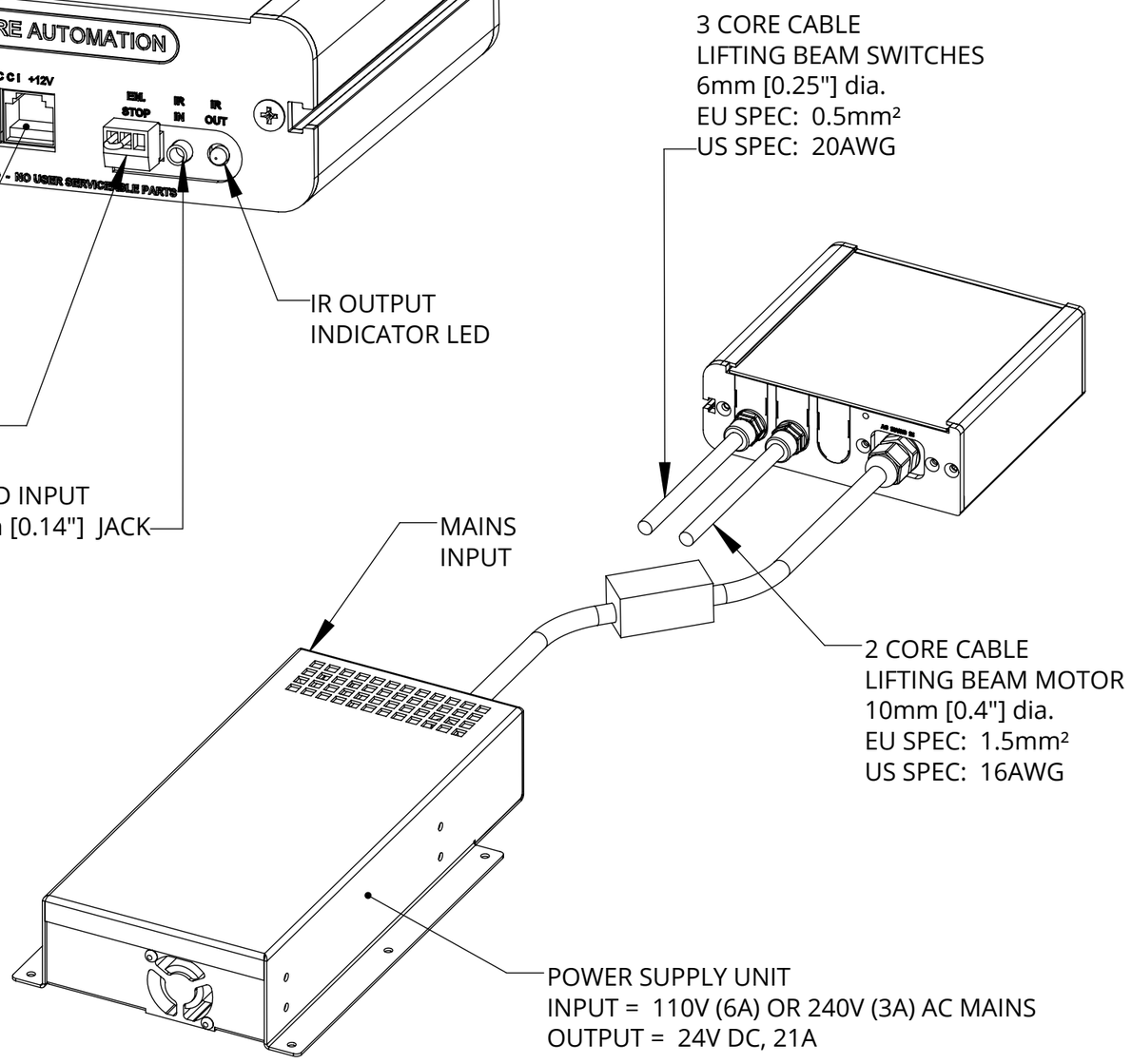
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CONTROL BOX DETAILS







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"].