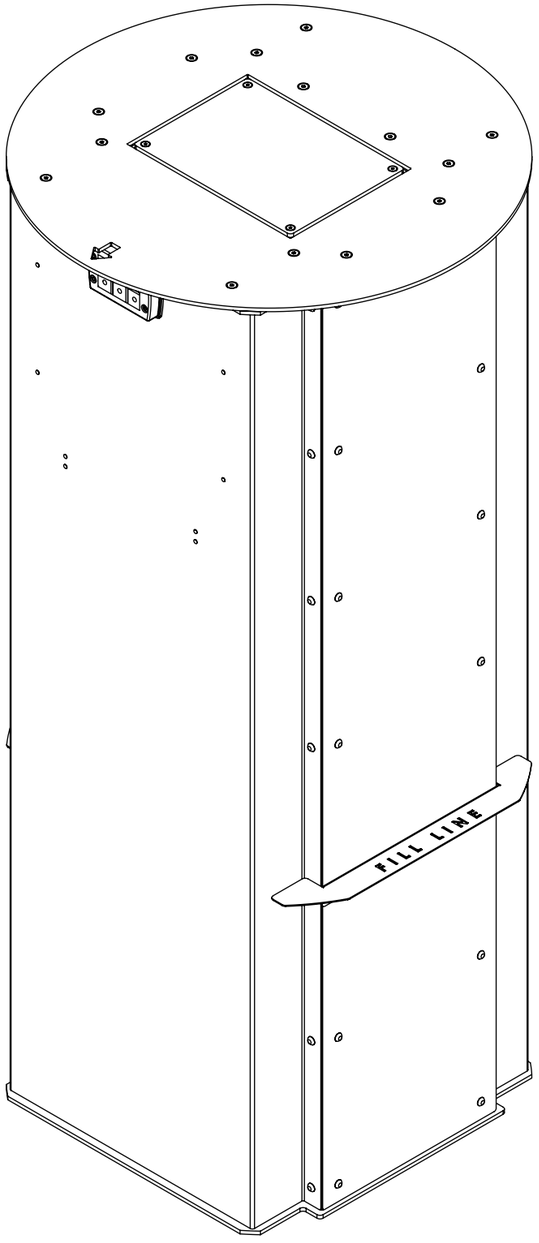
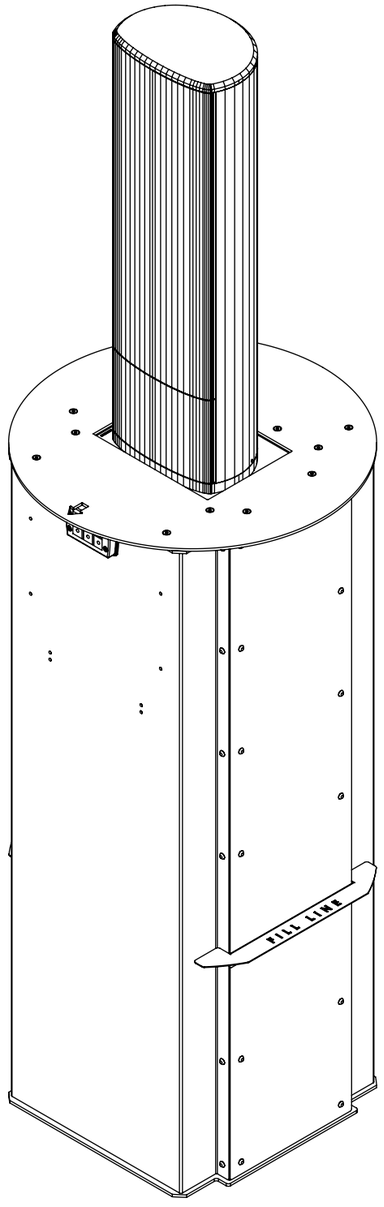
OSL 88
OUTDOOR SPEAKER LIFT

future automation

|MECHANISM AS SUPPLIED|



|SPEAKER NOT INCLUDED|



UK +44 (0) 1438 833577 **US** +1 (603) 742 9181
www.**FUTUREAUTOMATION**.NET

TECHNICAL SHEET
ISSUE 002
SHEET 1

OSL 88
OUTDOOR SPEAKER LIFT

GENERAL DIMENSIONS

The maximum weight of the flap panel = 2kg [4.4lbs].

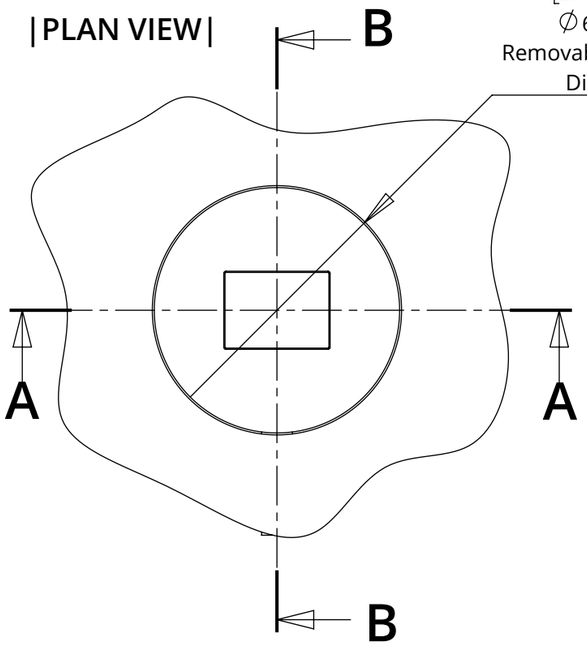
The flap panel should be constructed from the same thickness material as the static, surrounding floor.

The flap panel can be cut to the same profile as the speaker if desired - maximum square dimensions shown.

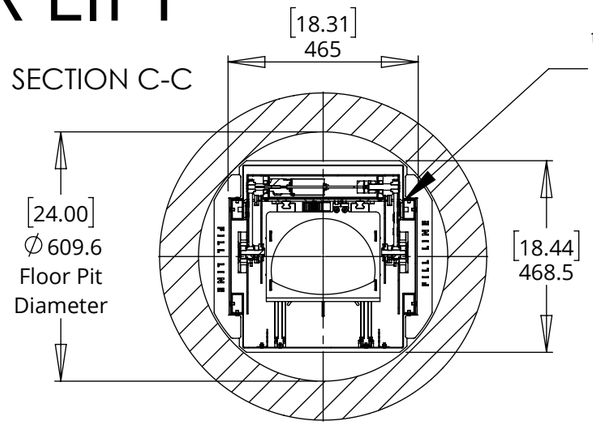
The floor that immediately covers the mechanism should be easily removable to allow access for installation and maintenance.

A minimum 45mm [1.8"] soakaway area beneath the mechanism should be allowed to ensure the mechanism is no submerged in any excess water that may accumulate in the floor pit.

|PLAN VIEW|

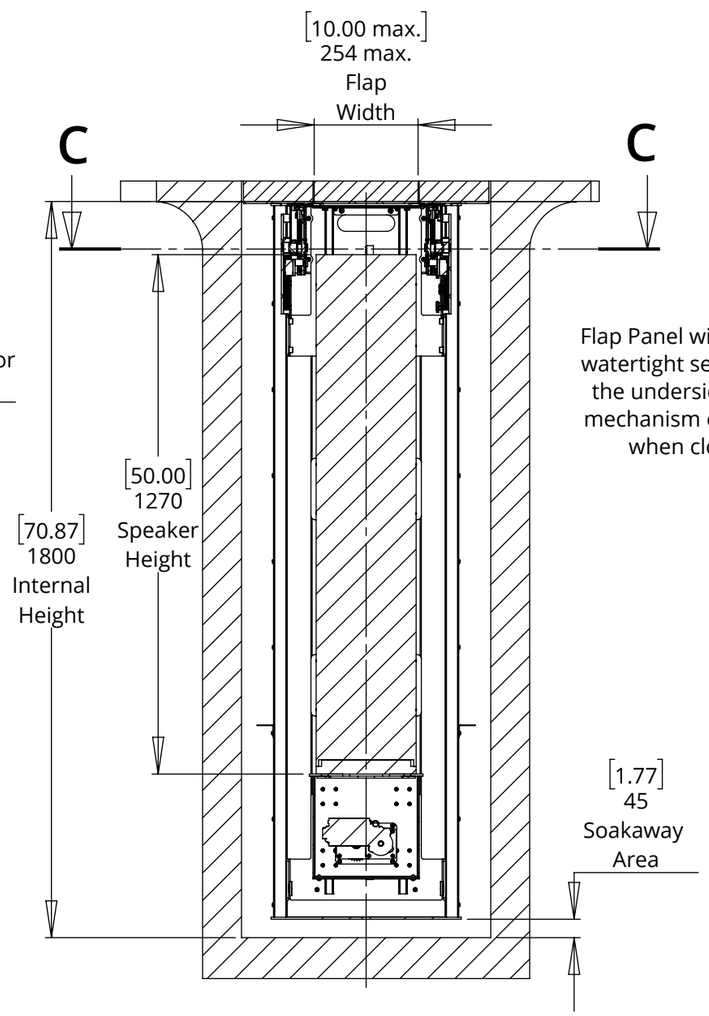


SECTION C-C

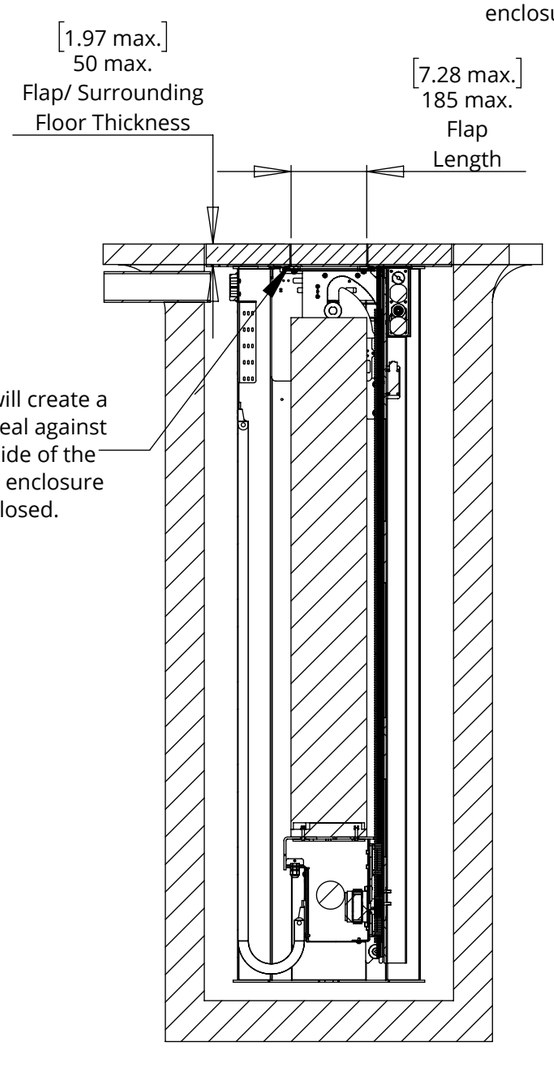


The mechanism Primary Frame will provide a watertight housing when in the fully closed and fully open positions.

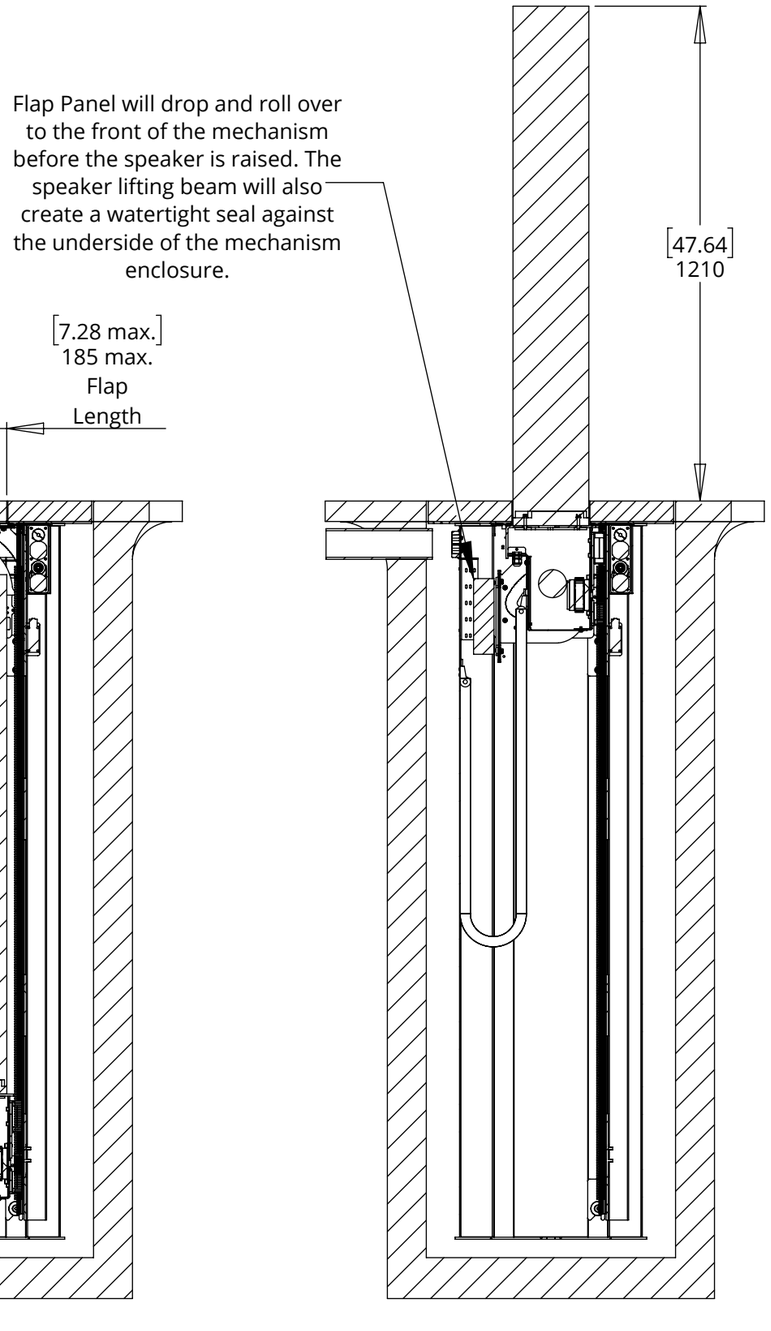
Floor pit can be back-filled with soil after installation if desired.



SECTION A-A



SECTION B-B - **CLOSED**



SECTION B-B - **OPEN**

UK +44 (0) 1438 833577 **US** +1 (603) 742 9181
www.**FUTUREAUTOMATION**.NET

TECHNICAL SHEET
ISSUE 002
SHEET 2

OSL 88
OUTDOOR SPEAKER LIFT

GROUND PREPARATION + FRAME INSTALLATION

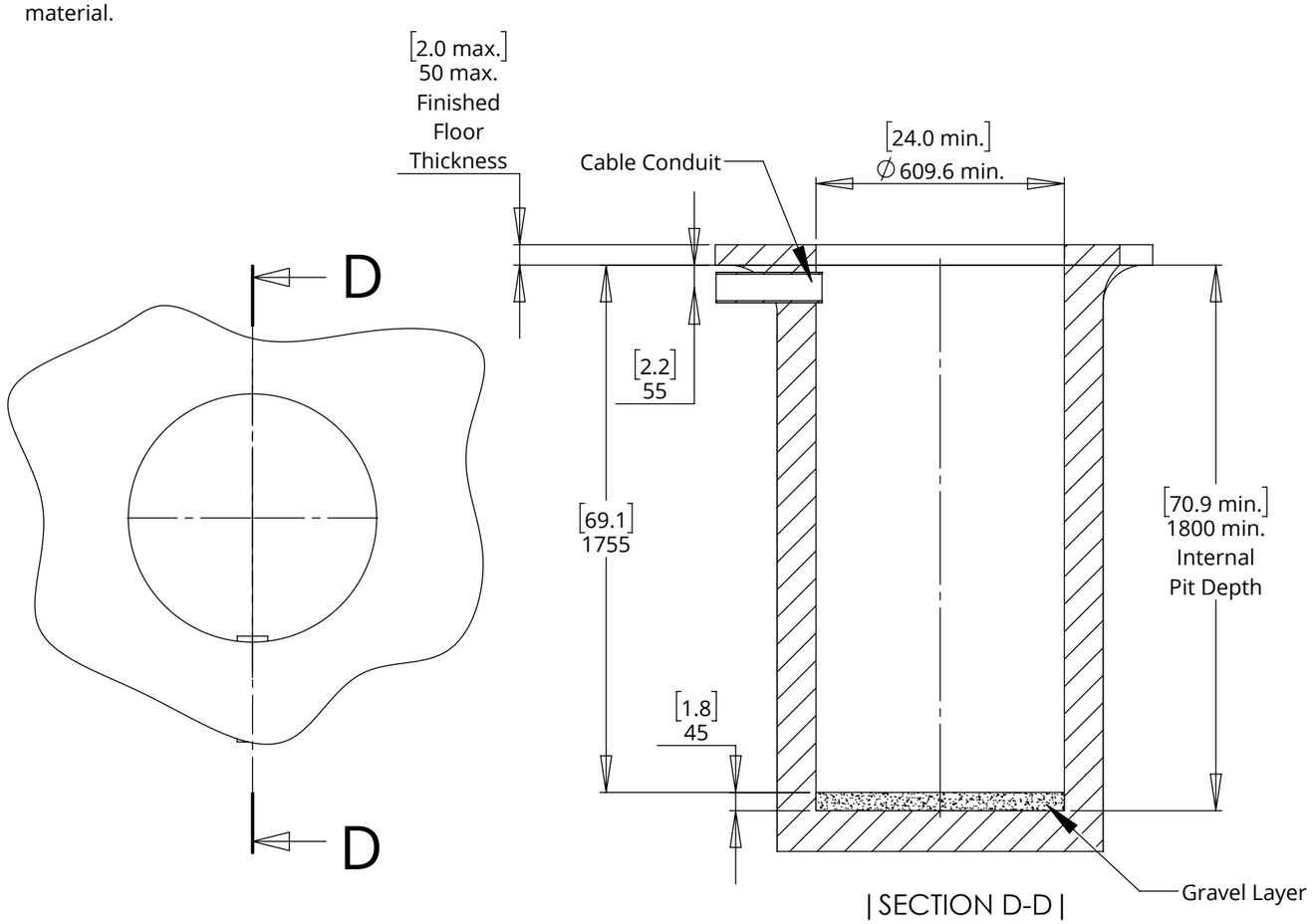
The modular design of this mechanism allows a flexible installation where space can be allocated in the ground during the early stages of construction using the Primary Frame. The speaker and flap panels can then be added at a later date.

|STAGE 1|

The floor pit must be excavated to the minimum dimensions shown below. The speaker will rise out of the center of the mechanism therefore the center of the speaker will be aligned with the center of floor pit.

Cables should enter the **FRONT** of the floor pit, 55mm [2.2”] below the underside of the finished floor.

A layer of gravel should be placed at the base of the pit to allow for water to drain away. This layer should be minimum 45mm [1.8”] deep leaving 1755mm [69.1”] of height between the gravel and the underside of the finished floor material.



| SECTION D-D |

|STAGE 2|

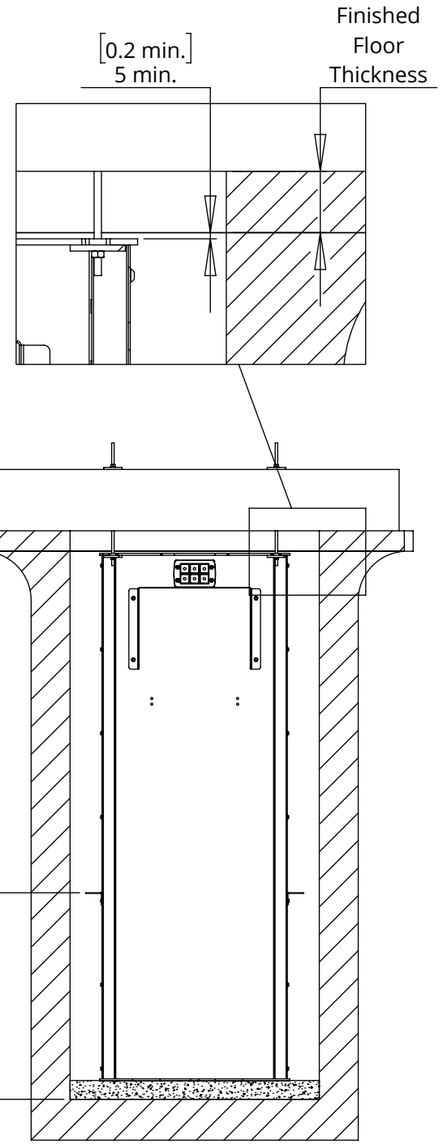
Position the Primary Frame so that the top face of the frame sits 5mm [0.2”] below the underside of the finished floor.

NOTE: It is critical that the Primary Frame is positioned perfectly level and square as the lift elements of the mechanism will be positioned relative to the frame.

Once the position of the frame has been set, the floor pit can be back filled if desired - as a minimum requirement the frame should be packed out to the pit wall to aid stability when the speaker is revealed.

NOTE: If back filling with concrete, the concrete mix should be kept as dry as possible to minimize the chance of it flowing into the gravel layer and blocking the soak-away.

The concrete should only be filled up to the ‘**FILL LINE**’ marker on each side of the frame.



UK +44 (0) 1438 833577 **US** +1 (603) 742 9181
www.**FUTUREAUTOMATION**.NET

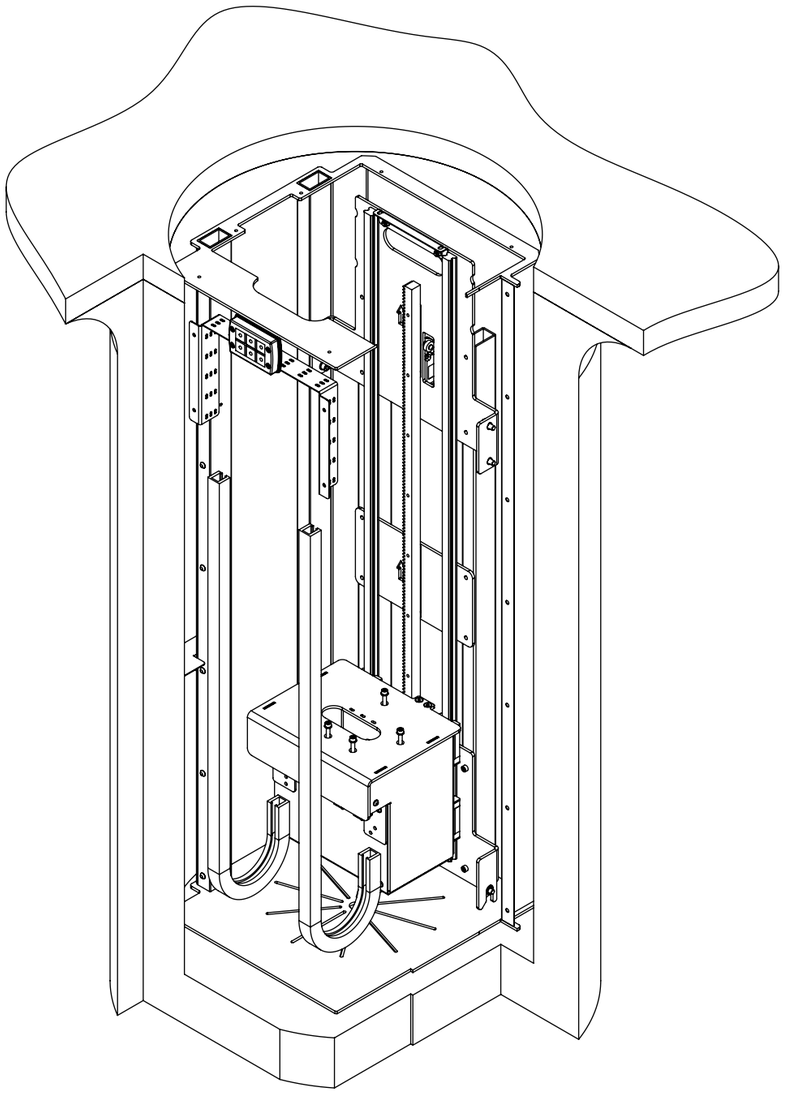
TECHNICAL SHEET
ISSUE 002
SHEET 3

OSL 88
OUTDOOR SPEAKER LIFT

MECHANISM INSTALLATION

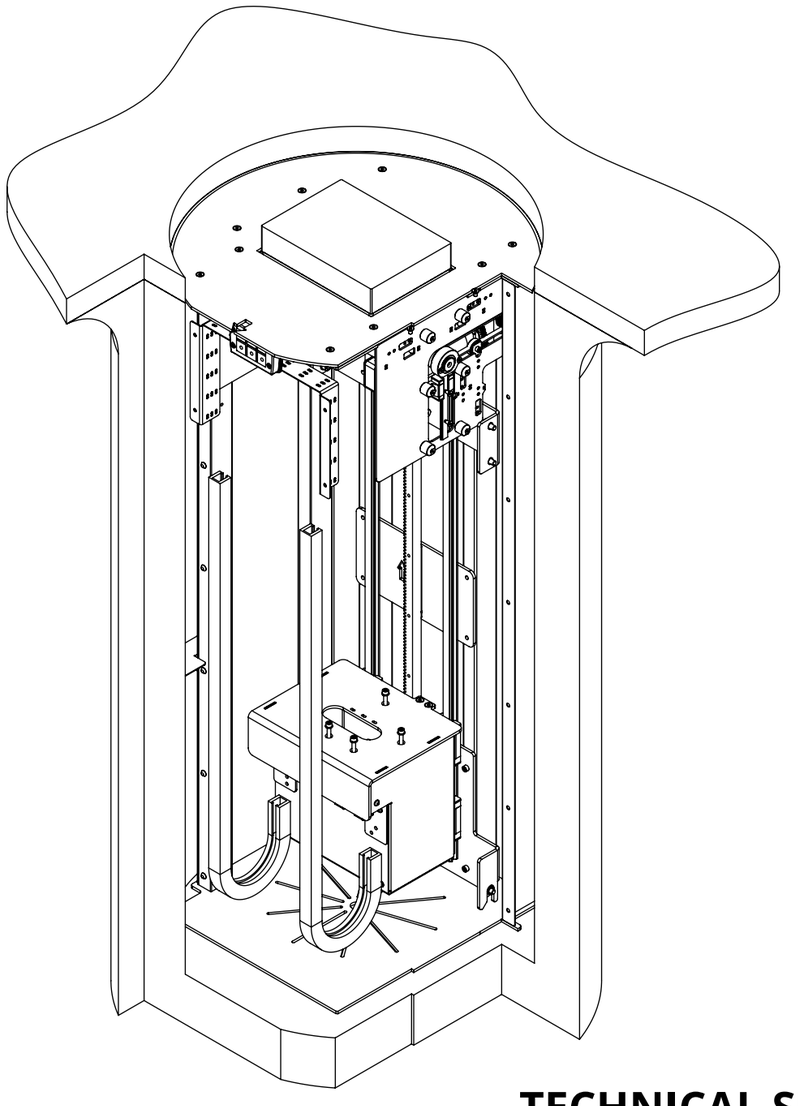
|STAGE 3|

Once the Primary Frame position has been set the Lift Mechanism can be lowered onto hook pins located at the base. Securing bolts at the top of the Lift Mechanism are then used to fix the unit to the Primary Frame.



|STAGE 4|

To finish the installation of the mechanism the Flap Drive unit must be fixed to the top face of the Primary Frame. The speaker can be fixed into position above ground level so can be added at a later time if necessary.



UK +44 (0) 1438 833577 **US** +1 (603) 742 9181
www.**FUTUREAUTOMATION**.NET