

### **Design, manufacture and install 1 off mast-type goods lift to be installed between 2 fixed levels inside a building**

- The lift will be constructed using a single mast which must be tied into the mezzanine floor structure, within a shallow pit.
- The lift platform will measure approximately 1430mm wide by 1410mm deep and will close down over the legs of the masts
- The clear working platform area will be 1350mm x 1350mm
- The overall plan size of the lift including enclosure will be approx 1830mm deep x 1910mm wide
- The platform will feature 1100mm high rails on 4 sides with a single outwards opening gate in front of the mast (Side B). The gate will lock with a gravity system but will also be sensed to prevent platform movement if the gate is open.
- The platform will close to the floor with a 60mm lowered height and have a maximum total raised height of **4300mm**
- The maximum lift height will be governed by a limit switch system to ensure that the platform parks with the mezzanine upper floor.
- The platform will NOT be supplied with a loading ramp
- The lift will be supplied with a bridging plate to be installed on the mezzanine level
- The hydraulic power pack will be mounted to the mast and electrical system will be housed in a separate enclosure mounted box at ground level.
- Control points will be positioned at both ground and upper floor levels. Both points will feature latching call buttons and emergency stop controls.
- Power requirement: 415V 3 phase + Neutral via 16amp isolator (Supplied by customer)
- Motor specification: 0.75Kw 3phase 415V with 4ltr reservoir
- Maximum lift capacity will be 500Kg

### **Manufacture and install 1 off External guard system for both upper and lower floors**

- The lift will be supplied with a full height enclosure on all sides, measuring approximately 1830mm deep, 1910mm wide and 6900mm high overall. The enclosure will feature single gates on side B at both levels; 2200mm high on the ground floor and 1100mm high on the first floor. All gates will be fitted with an electrical/mechanical interlock to prevent opening when the lift is not parked.

#### **Installation:**

Installation of the lift at Bishop Stortford

**Fisher BioServices UK**

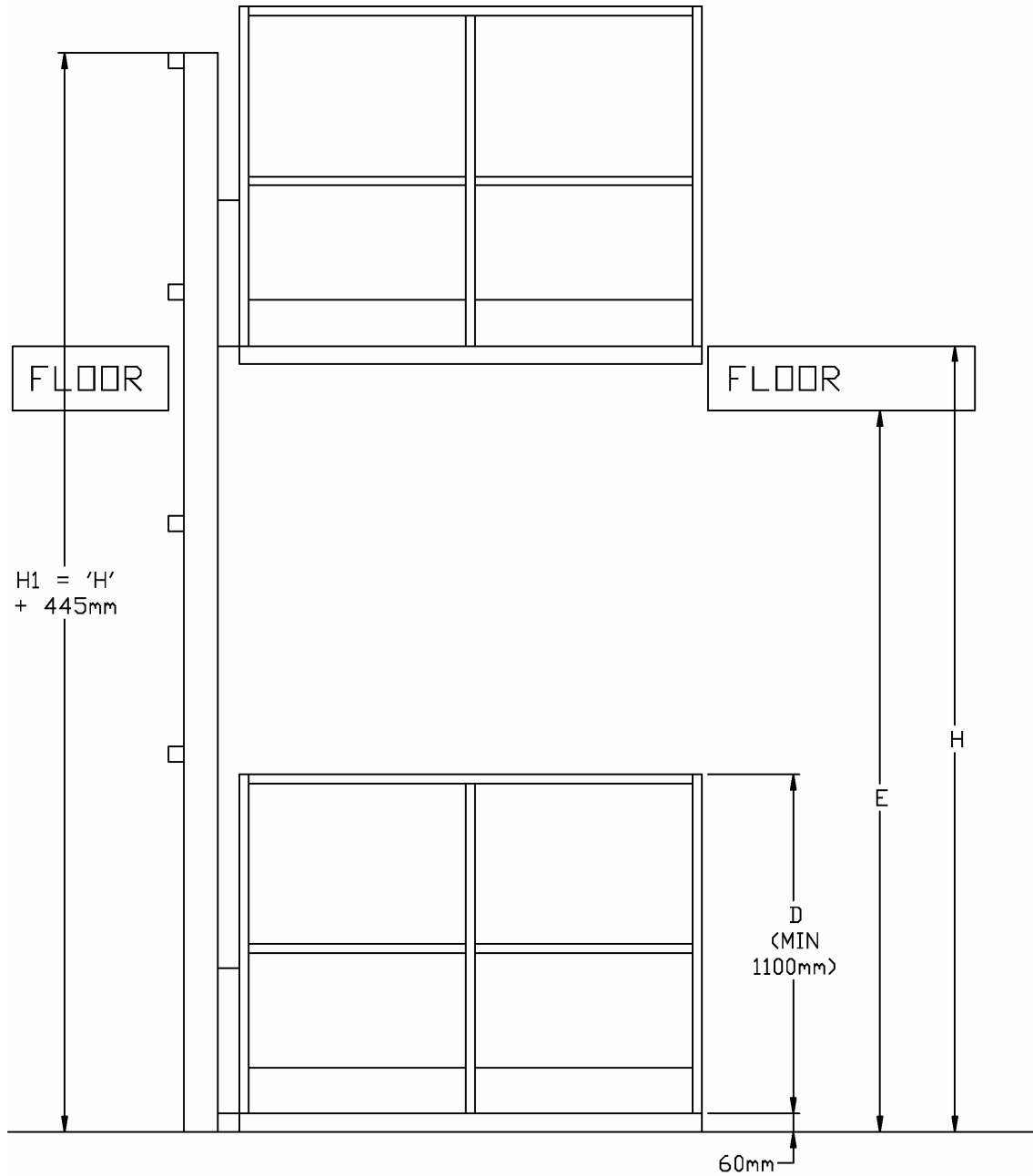
Woodside

Bishops Stortford

Herts

CM23 5RG

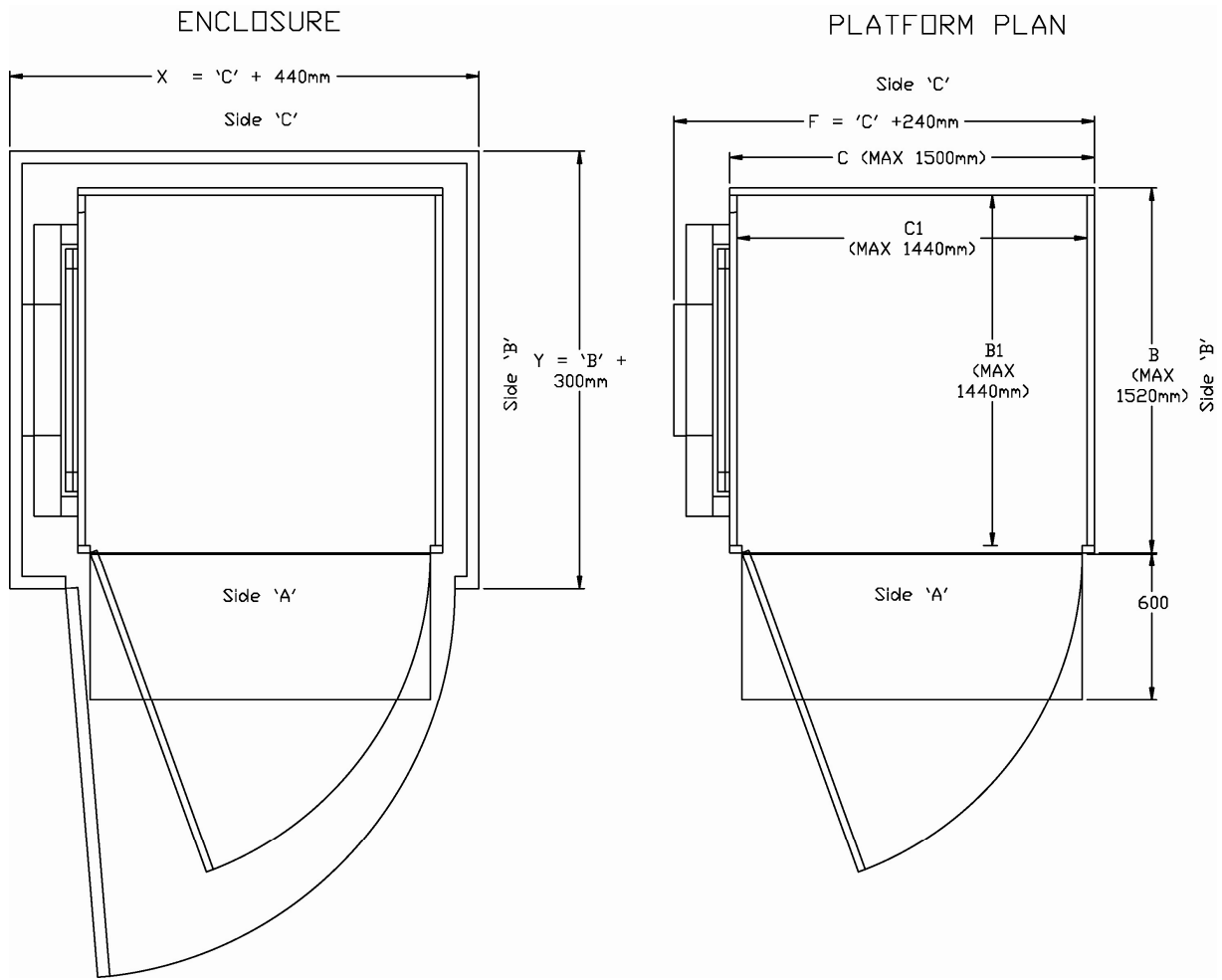
## Section A - Heights



SIDE ELEVATION

	Code	Dimension	Notes
<b>Floor Height</b>	<b>H</b>	<b>4300</b>	Ground floor to first floor level
<b>Under Ceiling Height</b>	<b>E</b>	<b>4150</b>	Ground to under ceiling height
<b>Mast Height</b>	<b>H1</b>	<b>4800</b>	This is equal to $H + 445\text{mm}$
<b>Platform rail height</b>	<b>D</b>	<b>1100</b>	Standard rail height is 1100mm

## Section B – Foot-print & gates



	Code	Dimension	Notes
<b>PLATFORM</b>			
Platform Width (Overall lift width)	B	1430	Maximum 1520mm
Platform Length	C	1410	Maximum 2000mm
Useable Platform Width	B1	1350	This is equal to B minus 80mm
Useable Platform Length	C1	1350	This dimension is the max gate opening width
Overall lift Length	F	1650	This is equal to C plus 240mm
<b>ENCLOSURE</b>			
Enclosure Length	X	1830	This is equal to C plus 440mm In wall mounted applications, the enclosure will only be on three sides with o/a length minus 50mm
Enclosure Width	Y	1910	This is equal to B plus 300mm
Enclosure Height (Ground floor)		6900	Standard setup is 50mm shorter than under ceiling height
Enclosure Height (1 <sup>st</sup> Floor)		1100	Standard setup is 1100mm
Enclosure (Other details)	<b>4 Sided, full height, through the floor. Ground floor external gate 2200mm high 1<sup>st</sup> floor external gate 1100mm high</b>		In some applications the enclosure may be full height against the side of a mezzanine

**GATES & GROUND FLOOR RAMP: (mark (tick) relevant boxes)**

Side	Platform Gate		Enclosure Gate (ground floor)		Enclosure Gate (1 <sup>st</sup> floor)		Ramp
	Single	Twin	Single	Twin	Single	Twin	
A							
B	✓		✓		✓		
C							

**Section C – Mast Support**

Support	Details	Notes
Wall Mount		Please give details of the walling materials
Through Mezzanine	<b>Mast support braced from mezzanine through aperture</b>	Through mezzanine applications require details of the mezzanine structure to ascertain whether or not appropriate support is available
Other		Please provide details

**Section D – Power Supply**

Voltage	Notes
240v Single Phase	
110v Single Phase	
415v Three Phase	Standard fit

**Section E – Additions**

<b>Lift Colour</b>	<b>std</b>	Standard RAL5017 (Blue)
<b>Enclosure colour</b>	<b>Std</b>	Standard RAL7037 (Grey)
<b>Anti-slip protection</b>	<b>None</b>	None as standard

**Section F – Notes**

**Drawings for mezzanine aperture and pit will be provided for approval before manufacture**