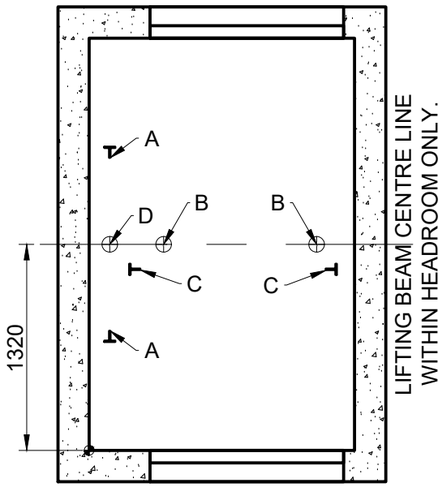
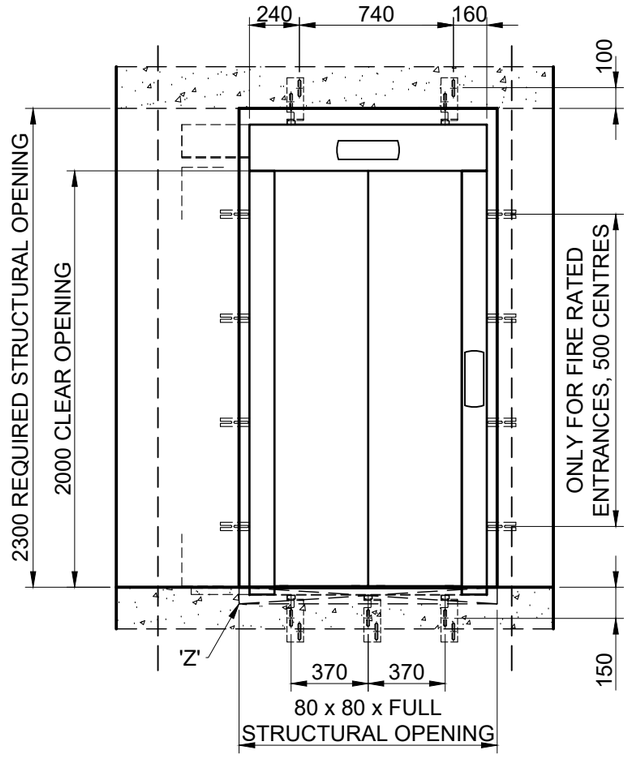
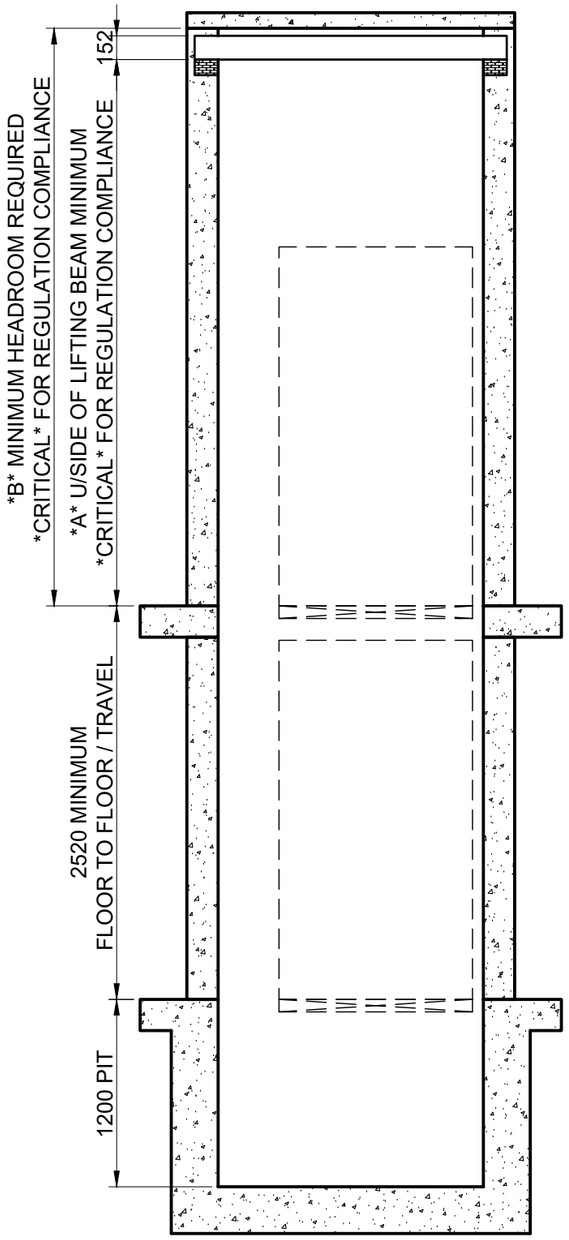


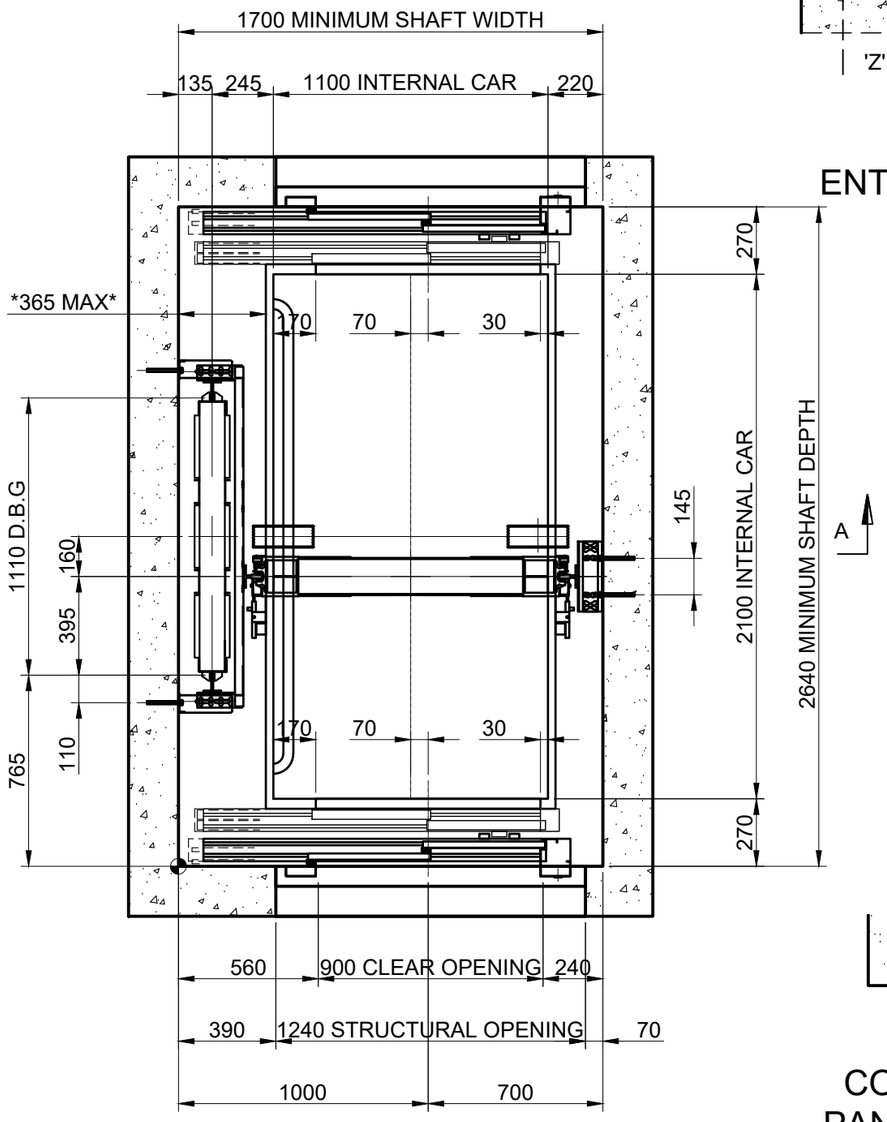

PIT PLAN [1:40]



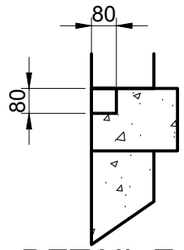

ENTRANCE DETAIL [1:30]



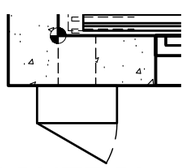

SECTIONAL ELEVATION A-A [1:40]




PLAN VIEW ON LIFT SHAFT [1:25]




DETAIL Z [1:20]



CONTROL PANEL [1:25]

| LIFT DATA | | | |
|---|---|---|---|
| LIFT TYPE | TRACTION | MOTOR MODEL | GEARLESS |
| LOAD | 1000 kg | PERSONS | 13 |
| | | CAR SIZE | 1100x2100 |
| DOOR TYPE | 2 PANEL SIDE | OPENING (WxH) | 900x2000 |

| HEADROOM REQUIREMENTS | | |
|---|---|---|
| INSIDE CAR HEIGHT | U/SIDE BEAM *A* | HEADROOM *B* |
| 2100 | 3600 | 3800 |
| 2200 | 3800 | 4000 |

Notes:
The dimensions on this drawing are all critical for regulation compliance's.
Any deviations to these designs could result in non-compliance and any extras required as a result are chargeable by MV.
MV recommend you seek advice before finalising you shaft design and placing your order.
Pit and Guide loadings (A,B,C,D) and Lift Data (Starting and Running currents) are subject to change and will be supplied in the final design stages.
Handing of this drawing is for visual representation ONLY. The lift can be handed to the right or to the left in line with on-site layout and requirements.
Differences in between and layout between suppliers can occur. these drawings are to be used as a guide ONLY.
Design drawings will be supplied by MV within 3 weeks of receipt of a full order.

Drawing Notes

1. Landing push stations and indicator stations are installed within the lift entrance frame as standard to suit British standards heights.

1.1. To ensure compliance landing push stations must be installed to meet the following; if this is not achievable in 1 location then the push stations must be repositioned to suit:

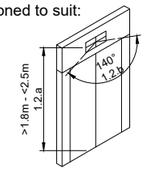
1.1.a. The minimum distance between the centreline of any push button to any corner of an adjacent wall shall not be less than 500mm on the landing.

1.1.b. The maximum distance between the face of the push button to the front wall finish shall not be more than 250mm.


1.2. To ensure compliance the landing indicator stations must be installed to meet the following; if this is not achievable in 1 location then the indicator stations must be repositioned to suit:

1.2.a. The indicators shall be positioned between 1.8m and 2.5m from finished floor level to centreline

1.2.b. The indicators shall have an angle of view from the landing of at least 140 degrees.




2. Lifting Beam installed at headroom level only, the beam must be positioned so the u/side from finished floor level is at the dimension indicated and installed within the wall on padstones (new build). If the shaft cap is constructed of concrete MV will accept lifting eyes. Beam to be tested and certified to SWL 2000kg (minimum) for 1000kg lift. Actual size of beam to be confirmed.

3. For installation of landing entrances, a rebate is required at all floor sill levels of 80mm W x 80mm D x full structural opening. After installation of entrances, the builders are required to fill these with fire rated material.

4. Control panel for lift equipment varies in size. The most common largest panel is built to a size of 400mm W x 200mm D x 2100mm H and installed on the top floor front wall nib. This can be positioned at any other floor within 5m of lift shaft at additional cost. Builders are required to drill a 150mm Ø hole through wall at high level for access of cables into lift shaft. This hole is to be fire stopped after full installation.

5. A lockable rotary isolator suitably fused to be installed at high level above control panel. A telephone line and fire alarm link to be installed alongside the isolator. An isolator, telephone line and alarm link to be provided by others with loose cable to allow MV engineers to wire into control panel. At no point will MV be responsible for the provision of the telephone line and fire alarm link.

IMPORTANT Notes

- Lift shaft shall not contain services other then those directly related to the lift.
- Ventilation of the lift shaft is to be provided to local building and fire regulations.
- All shaft walls must have a mechanical strength to resist a force of 1000 N when evenly distributed at right angles at any point. MV recommend 200mm thick walls with no cavity. The fixings used for installation are drilled to a depth of 125mm and fixed with resin.
- Any gaps or holes around any lift equipment related to the installation and shaft must be infilled with fire rated material and decorated to an acceptable finish by the builder.
- All dimensions are in **mm** unless stated otherwise.
- If shafts are built with glass then this must be laminated.
- If an accessible space is present under the lift pit then a counterweight safety gear will need to be provided at an extra cost to the contract.
- All height dimensions are taken from finish floor level (FFL), not structural slab level (SSL).

Drawing Title **1000kg GEARLESS LIFT DESIGN WITH 900mm SIDE OPENING DOORS**

| | | | | | |
|---|---|---|---|---|---|
| Paper Size | **A3** | Drawn By | **C.PEGG** | Date | **03/03/2023** |
| **DO NOT SCALE** | | Checked By | **G.CROSSLAND** | Date | **03/03/2023** |

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Status **TYPICAL DRAWING NOT FOR CONSTRUCTION**



**This drawing has been provided as "typical" to allow for design purposes ONLY. This drawing must not be used for construction. Please speak with a member of the drawing office to discuss any additional requirements.**

Drawing Number MVTD-GL-1000kG-900mm-2PSide-1100X2100-THRU ENTRY