Architects Platform Lift Specification.

The lift manufacturer is to design, supply, install and commission 1no platform lift for the above development, to the details laid out below and to the finishes specified by the architect. There will be no deviation from the specification detailed below. The installation shall comply with machinery directive, the unit being type tested by a notified body and issued with a CE type certificate of conformity.

No of lifts Required	-	One Platform
Platform Size	-	1500mm x 1100mm. **Part M Compliant**
Shaft Size	-	1650mm x 1550mm
Pit Depth	-	50mm
Load	-	400kg
Travel FFL – FFL	-	To suit. Max Travel 12.0m
Shaft Height	-	To suit
No of floors served	-	To suit
Drive Speed	-	Screw driven by "variable Frequency" motor 0.15 meters per second. **"Soft Start" must be fitted!**

Electrics

Voltage	-	**240v, 1 phase, 50Hz, 20 amp isolator**
Controls	-	70mm x 50mm "rocker buttons" located at each landing. 70mm x 50mm landing designation "rocker buttons" on platform console. All push buttons to be "hold to run" as required by codes.
Lighting	-	Push buttons within the carriage are to be lit using a 24v fluorescent tube. A shaft roof and light is to be supplied to meet building regulations.
Alarm	-	Battery supported alarm button to be fitted to the platform console.
Noise Levels	-	The lift must not exceed 50-55dB at landings whilst lift is running. Noise level on the platform, next to the drive motor must not exceed 50-55dB whilst the lift is running.

Doors

Entry/Exit configuration	- **Single/Through/Adjacent Entry Exit**
Door lower landing	- 2.0m high x 0.9m wide swing door style. Door to be glazed aluminium, door closers must be concealed; a steel door or a door with standard closers will not be accepted.
Door Upper landing	- 2.0m high x 0.9m wide swing door style. Door to be glazed aluminium, door closers must be concealed; a steel door or a door with standard closers will not be accepted. Doors are to be electrically and mechanically interlocked to the lift motion.
Finish	- Platform to be painted metallic grey. Doors to be natural anodised aluminium. The steel shaft panels are to be factory painted in white RAL 9010. Any glazed shaft panels; the frames are to be natural anodised aluminium.
Shaft	- Shaft to be constructed from insulated steel faced modules each 900mm high assembled on site to give a totally smooth surface to both sides. Any glass panels are to be 900mm high with a profiled aluminium frame to give a totally smooth surface to both sides.
Shield wall	- **A solid shield wall must be supplied; brush strips in the shield wall will not be accepted. The shield wall must not be riveted or screw fixed to enable easy access for servicing.**
Pit Recess	- **A pit floor panel is to be supplied. Painting with oil resistant paint will not be accepted.** Pit props must not be visible form outside the shaft.

Platform

Flooring	- To be non-slip rubber - colour grey.
Handrail	- A brushed Aluminium handrail is to be supplied on the platform. A plastic handrail will not be accepted.
Installation	- Lift to be delivered and offloaded at site. The equipment is to be positioned adjacent to the pit. The lift is to be wired to the isolator (supplied by others). **There is no provision for a lifting beam. Lift type must not require one.**
Operating procedures and demonstration	- Upon satisfactory completion of the commissioning the lift manufacturer will be required to demonstrate to the client's representative the operation of the lift and the procedure for emergency release. A full operating and maintenance manual containing drawings, operating procedures, emergency actions, control settings, recommended spares and a complete set of test certification shall also be made available and handed over.
Safety features	- Hand lowering is to be achieved using an external crank handle should the power fail. Hand lowering must be from the lowest level bringing the trapped person towards the rescuer. Hand lowering the platform from the top floor will not be accepted. A key must be provided for emergency access through the entrance doors to the lift. Sensitive edges must be fitted to all moving parts to eliminate trapping. An emergency stop button is to be fitted to the platform console. Battery Back Up emergency lowering can be supplied as standard. Optional.