

ATTENDANCES AND BUILDERS WORK PROVIDED BY OTHERS

1. LIFT SHAFT

- 1.1 Construct lift shaft, lift pit and where applicable Machine/Pump Room.
Shaft sizes as shown on General Arrangement plan, plumb to **-0mm +25mm** over full length.
Lift pit must be watertight and the surface must be finished smooth and level.
Shaft & pit construction to be of sufficient strength and stability to support imposed lift loadings and must comply with current Building and structural Regulations.
- 1.2 At the top of the shaft provide ventilation to the atmosphere (**not less than 1% of shaft cross sectional area**).
- 1.3 Temporary barriers/guards must be provided to all shaft openings to comply with current Health & Safety requirements.
- 1.4 At the top of the shaft a steel lifting beam must be provided and bricked in permanently to position shown on our General Arrangement plan. Prior to the commencement of the lift installation lifting beams must be Tested and Marked with Safe Working Load (SWL).
- 1.5 Provide access hole (200mm x 200mm) between Pump Room and lift shaft. Where Pump Room is remote provide 2 x 150mm diameter ducts laid in a straight run between shaft and Pump Room. All bends must have maximum radii to enable us to pull through lift hose and electrical cables. (Provide pull cords).
- 1.6. The front wall brick/block returns to each landing entrance shall be constructed after the lift landing doors are positioned. Where fronts are constructed prior to our installation these should be plumb to the vertical and horizontal axis. Make good all gaps around our frames including any grouting as necessary.

2. MOTOR/PUMP ROOM

- 2.1 For a lift with a Machine Room, the Pump room must have an easy access, be of adequate size and have a height of not less than **2000mm**. It must be damp free, with permanent venting to the open atmosphere (**not less than 0.10 meter squared**). Ambient temperature within the Machine Room must be maintained at between 15 and 35 degrees. (Where necessary provide and fit thermostatically controlled tubular heater).
- 2.2 Machine Room floors, walls and ceiling should be treated to prevent airborne dust. A Lockable access door to open outward should be provided.
- 2.3 For Machine Room Less type lifts please refer to requirements highlighted on our General Arrangement plans.

3. ELECTRICAL REQUIREMENTS

- 3.1 Provide **Permanent 3 Phase 415V. and neutral 50HZ (4 wire)** Mains Supply terminating in lockable triple pole switch fuse isolator. Motor protective HRC fuse links.
- 3.2 Provide 30 Amp. Single-phase domestic supply to Pump Room to include:
 - (a) **13 Amp. twin socket outlet.**
 - (b) **13 Amp. fused switched spur.**
 - (c) **2 off 5 Amp. fused spurs. (car light & auto-dialer)**
- 3.3 Provide adequate fluorescent lighting to Pump Room, with light switch positioned near the access door. **(Min. Lux level 200).**
- 3.4 For Machine Room Less type Lifts only the 3 Phase supply will be required. The supply cable should terminate within the area where our steel cabinet will be positioned. An excess (tail) of at least 2 meters of cable should be allowed. Your Electrical sub-contractor will connect the main cable into our isolator within our controller cabinet.
- 3.5 Provide and fit Shaft Lighting luminaries all the way up the shaft as necessary to provide the **min. 50 Lux** required. Provide a 'two-way' switch one fitted in lift pit area and one in machine room. In the lift pit you must also provide and fit an RCD socket outlet.
- 3.6 A dedicated BT telephone line terminating in a socket within the Machine Room near our lift controller must be provided for connection to the Emergency Monitoring auto-dialer telephone system within the lift car.

4. ADDITIONAL REQUIREMENTS AND GENERAL NOTES

- 4.1 Provide temporary 110 Volt supply for power and hand tools and 'safety' and 'task' lighting during the installation of the lift.
- 4.2 On delivery of the lift guides, hydraulic ram and equipment a suitable access through the building and into the lift shaft will be required. Lift guide rails will be at least 5 meters in length.
- 4.3 On delivery of lift package to site we will require a 'safe' & 'dry' storage room/area adjacent to lift shaft. Mechanical or manual assistance with some heavy items may be required.
- 4.4 Scaffolding must be provided within the lift shaft over the full height of shaft. All platforms must be fully boarded and set at max. 2 meter levels, generally, to layout shown on our plans. Provide pit ladder in accordance with Health & Safety requirements. Scaffolding must be to Local Safety Officer's approval.
- 4.5 Provide central skip for our use.

PERMANENT MAINS SUPPLY MUST BE AVAILABLE DURING OUR INSTALLATION.

If permanent mains supply is not available a 3 phase temporary mains supply or a generator should be provided. Final Testing of lift will only be carried out when the Permanent mains supply is installed.