

Evolution™ Standard

Work by Others

Lift shaft

- A clean, dry two hour fire rated lift shaft built to the lift code and applicable government regulations, to the dimensions as shown and tolerance of +25 mm / – 0 mm as shown and designed to bear the reactions as shown on GAD.
- A waterproof pit designed to bear the reactions shown on GAD and shall extend to solid earth.
- Rough opening cut outs for landing doors as shown on Gad.
- Penetrations for all fixtures as shown on GAD.
- Rough opening cut out on floor as shown on GAD set out, (for service box panel).
- Building in of inserts flush with the inside face of finished lift shaft wall for fixing rails, landing frame assemblies and machine beam supports as shown on GAD. (Inserts provided by TKEA)
- Building in of lifting eyes flush with the inside face of finished lift shaft as shown on GAD (TKEA to supply lifting eyes)
- Provide accurate grid lines on terminal floors for set-out of lift shaft.
- Provide entrance datum lines per landing entrance indicating finished floor levels. 1meter above finish floor.
- Lift shaft protection cage will be supplied 1 week prior to commencement on site. (TKEA to supply cages)
- Weather and vermin proof lift shaft.
- Weatherproof top landing served for protection of service box
- Grouting/making good finished front wall to landing finished frame/architrave
- Supply Engineers Certificate, certifying lift shaft
- Ventilation in top of shaft. Area to comply with local building regulations. (Located to avoid equipment in shaft). The lift shaft shall be suitably ventilated. In the absence of relevant regulations or standards, it is recommended to provide ventilation openings at the top of the lift shaft, with a minimum 0.10sqm. The ambient temperature in the lift shaft shall be maintained between 0°C & +40°C. Note: Relevant regulations and standards should be checked for the need for fire dampers.

Drawings & Finishes

- All buildings drawings and specifications relevant to the design are issued to TKEA at time of tender acceptance (this includes door frame details and architectural finishes).

Power, Communication

- Prior to the commencement and during the entire installation of the elevator, provide uninterrupted temporary power within 5m of top floor served rough opening. This supply will cater for a maximum demand of 16 amps and be available in three phase 400VAC and single phase 230VAC. This supply will be used for erection, lighting, testing and operation of tools and hoisting equipment.
- Prior to the commencement of installation, provide permanent mains power, as shown on GAD with a tail of 6 meters. If multiple lifts are being installed sub mains per lift are required.
- Main Lift – Circuit 1
 - Power supplied to be 3 phase, 50 Hertz, 4 Wire, 400volt
 - Maximum Demand: (contract basis)
 - Maximum cabling size to lift termination to be 16mm sq per phase.
 - 20 amp Neutral.
 - Rating of mains protective device, to be greater than largest lift circuit breaker.



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Power, Communication (cont)

- All power supplied to TKEA, whether permanent or temporary and/or rental shall be at the builders cost.
- Prior to the commencement of installation, provide a dedicated phone line, terminated at a final distribution point on the inside of the shaft at the top floor served as shown on GAD requirement.
- The installation and on-going rental fees of the phone line shall be at the builders cost.

Miscellaneous

- Prior to the commencement of installation if required, provide security wiring, terminated at a final distribution point on the inside of the shaft at the top floor served as shown on GAD requirement.
- Prior to the commencement of installation if required, provide emergency generator power signal wire (dry contact) terminated at a final distribution point on the inside of the shaft at the top floor served as shown on GAD requirement
- Prior to the commencement of installation if required, provide BMS and LMS wiring terminated at a final distribution point on the inside of the shaft at the top floor served as shown on GAD requirement
- Prior to the commencement of installation, provide a dedicated phone line, terminated at a final distribution point on the inside of the shaft at the top floor served as shown on GAD requirement.
- Provide & install a lift car floor covering, which complies with local code regulations
- All painting, including any necessary retouching, masonry and woodwork etc, not included in the contract
- Provide an undercover weather proof, secure storage area of 80sqm per lift, located within 10m of the lowest floor served by the lift.
- Provide clear roll able access between storage area and lift shaft, suitable for moving large and heavy goods
- Provide an unloading area for material deliveries that is within 50m of storage area.
- Provide clear access between unloading area and storage area, suitable for moving large and heavy goods.
- Provide safe access and well illuminated work areas.
- Provide access to clean sanitation facilities within 100m of elevator shaft

Exclusions

- Lift gates prior to commencement of our site works
- Traffic Control (unload deliveries)
- Council Permits (unload deliveries)

