

Pending Amendments to Clauses in the Griffith University Design Guidelines & Procedures Version 21

Section 23.00 Lifts

All the requirements of this Section are Mandatory

23.02 New Project Lift Design

The lift design parameters for new lifts shall be as follows:

- a) Population based on actual numbers or 1 person per 12m² whichever is the greater.
- b) 12% two-way handling capacity
- c) Average waiting time of 30 seconds
- d) Machine room less traction lifts at a minimum.
- e) Calculations to be based on a maximum 70% car loading.
- f) Lift cars shall be designed for
 - Goods movement,



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Car Buttons	Vandal Resistant Dewhurst dual illuminating white on blue
Telephone	Hands free connected to the University 24-hour security office
Security	The facility shall be provided in all lifts to park the lift with the doors closed at the nominated floor level and to lock off access to and from any floor by means of a key switch for that floor. This panel is to be mounted on the wall adjacent or in the 'call' button at the nominated floor. Security may also be provided by access card control Project Specific, allowance in trailing cables for future minimum
Security Camera	Project Specific, allowance in trailing cables for future minimum
Load Notice	Engraved in car operating panel
Handrail	Stainless Steel complying with AS1735 Part 12 on side and rear walls
Bump Rails	Stainless Steel for goods lifts
Protective Blankets	One set for each different lift
Fan	Minimum 30 air changes per hour
Compliance	AS1735 Part 12, AS1735 for fire rating of car finishes and landing doors. Upgraded door ent.9f)nfs

Security	In or beside faceplate as required
Direction Indicators	Beside or above lift entrances

23.09 Lift Pits and Lift Shafts

Pits Lift pits should extend to solid earth, in accordance with AS 1735 and that buffer loads are transmitted to cause least effect on the structure.

Lift pits must be kept dry at all times.

For any situation where problems with any form of water seepage or run of are suspected, then suitable means shall be provided for easy removal of the water without accessing the pit.

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23.11 Lift Performance

Levelling	Levelling shall not exceed +/-5mm under all load conditions
Vertical and Horizontal acceleration	18 milli-g measured peak to peak
Acceleration rate	Not to exceed 1.0m/s ²
Jerk rate	Not to exceed 1.8m/s ³
Noise Levels	55dba inside lift car with fan running and doors opening or closing. 70dba in machine room or machinery area

Records Lift performance details shall be recorded and detailed in maintenance manuals and in machine rooms/machinery areas.
The performance data shall include door times, flight times (one floor and