



GEORGE FLOTH PTY. LIMITED
CONSULTING ENGINEERS

Justinian House

Lift Services Schematic Design Report

for



**St Vincents
& Mater Health
Sydney**

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PROJECT NUMBER: S07095

DATE: 16th October, 2007
Issue B

.01 Introduction

The works described in this report will form the basis of the Lift services installations:
The report should be read in conjunction with Daryl Jackson Robin Dyke schematic design drawings

.02 Development Description

Justinian house is a medical research facility for St Vincent and Mater Health Services. The research facility will be ~4000m2 over 3 levels with 2 levels of basement parking.

.03 Authority Compliance

The lift services will be designed in accordance with the requirements and recommendations of the following:

Municipal Council
NSW Fire Brigades
Building Code of Australia
WorkCover Authority

Australian or relevant European Standards including:

AS1428.1	Design for Access and Mobility
AS1735.1	Lifts General Requirements
AS1735.2 (or EN81)	Passenger & Goods Lifts – Electric
AS1735.11	Fire Rated Landing Doors
AS3000	SAA Wiring Rules

.04 Technical General

The lifts will:

- Serve each lobby on levels B2, B1, 1, 2 and 3..
- Have a contract speed of at least 1.0 m/s.
- Be variable speed rope traction type without lift motor room.
- Have automatic levelling with a tolerance of $\pm 5\text{mm}$.
- Have 2 button interconnected collective controls
- Have horizontally sliding doors with a FRL not less than -/60/-.
- Have electronic door protection to stop doors without touching passengers.
- Have car operating panels in the side walls
- Have car position and direction indicator at each opening.
- Have finishes to suit the quality of the development.
- Have emergency lighting and hands free emergency telephone in car.
- Comply with the parts AS1735.12 – Facilities for persons with disabilities, called up by BCA part E3.6
- Have a GPO in the car.
- Be smooth and quiet in operation.
- Have landing call and/or indicator panels backed by construction having a FRL not less than -/60/60 if area exceeds 35,000mm².
- Be provided with shaft and pit lighting to statutory requirements.
- Be maintained for 12 months after Practical Completion of the head contract.

.05 ESD

The lifts will:

- Have gearless machines with VVVF controls.
- Have regenerative braking.
- Have car lights and fan switch off when the lift is idle.