

**Grenfell Tower Public Inquiry**

**Grenfell Inquiry**  
**v**  
**Apex Lift and Escalator**  
**Engineers Ltd**

**Exhibit “(GRA/5: )”**

Blank Copies of pages 5 and 9 of Certification

Table 1. Certificate of test and examination for electric passenger and goods lifts (cont)

c) <i>If No are they suitable for submission to the test described in 11.3 of this table?</i>	<input type="radio"/> N/A <input type="radio"/> Yes <input type="radio"/> No
d) Are they correctly filled and not leaking?	<input type="radio"/> Yes <input type="radio"/> No
e) Is there reduced stroke buffering (see item 10 of this table)?	<input type="radio"/> Yes <input type="radio"/> No
f) Is the stroke of each buffer in accordance with 10.4.3 of Part 1?	<input type="radio"/> Yes <input type="radio"/> No
g) State number filled	
<b>2.8 Brake</b>	
Does the brake sustain the static car at the lowest level when loaded with 125% of rated load	<input type="radio"/> Yes <input type="radio"/> No
<b>2.9 Landing door assemblies</b>	<input type="checkbox"/> Existing
a) Does the contract require the landing door assemblies to be fire-rated	<input type="checkbox"/> Yes <input type="checkbox"/> No
If YES what is the fire-rating requirement	Hour
b) Is the test certificate available and in order	<input type="radio"/> N/A <input type="radio"/> Yes <input type="radio"/> No
c) If yes and the doors are manually operated is the means of fire prevention a fusible link	<input type="radio"/> N/A <input type="radio"/> Yes <input type="radio"/> No
d) If NO describe the method used	<div style="border: 1px solid black; height: 100px; width: 100%;"></div>
e) Are the fire rated elements of the door assembly correctly fitted :	<input type="radio"/> Yes <input type="radio"/> No
<b>2.10 Door locks</b>	<input type="checkbox"/> Existing
a) Are all the door locks tested in accordance with F1 of Part 1 and certified in accordance with F.1.4 of Part 1:	<input type="checkbox"/> Yes <input type="checkbox"/> No
b) Does the data plate conform to 15.13 of Part 1:	<input type="radio"/> Yes <input type="radio"/> No

Table 1. Certificate of test and examination for electric passenger and goods lifts (cont)

## 4.5 Door tests

☐ Existing

NOTE. Where appropriate, the following tests should be carried out with the car and landing doors coupled

a) How are the doors operated?

☐ Manually

If so answer f, h, i, j, k, l, m, n.

☐ Powered

If so answer all except m.

b) Is the measured maximum force to prevent closing, at the mid point of travel, 150 N or less?

☐ Yes ☐ No

State the figure recorded:

N

c) Is the measured kinetic energy 10 J or less?

☐ Yes ☐ No

State the figure recorded:

J

d) Do all the protective devices reverse the doors in accordance with 7.5.2.1.1.3 of Part 1?

☐ Yes ☐ No

e) If the protective device is made inoperative (see 7.5.2.1.1.3c of Part 1)?

1) Do the doors remain open

☐ Yes ☐ No

2) If the answer to 1) is NO, do the doors close with a kinetic energy not exceeding 4 J?

☐ N/A ☐ Yes ☐ No

f) Is the unlocking zone 0.2 m or less above and below landing levels (or 0.35 m in the case of simultaneously operated car and landing doors)?

☐ Yes ☐ No

g) Do the landing doors have an automatic mechanical self-closing mechanism?

☐ N/A ☐ Yes ☐ No

h) Is each set of landing doors capable of being unlocked from the outside with an emergency key?

☐ Yes ☐ No

If not, why not?

i) Does the door motor/retiring ramp actuator protection system function correctly?

☐ N/A ☐ Yes ☐ No

j) What form of electrical protection is provided for the door motor/retiring ramp actuator? .....

☐ D.C. circuit breaker ☐ Three phase circuit breaker ☐ Overloads in each phase ☐ Timing relay ☐ Thermistors

State the relevant characteristics:

☐ N/A

Time to operate

s

Trip current  
(if applicable)

A

k) Can the doors be manually opened within the unlocking zone with a force of less than 300 N with the power off (see 8.11.2 of Part 1)?

☐ Yes ☐ No

l) If the rated speed of the lift is greater than 1.0 m/s is the force required to open the car doors when outside the unlocking zone 50 N or greater?

☐ N/A ☐ Yes ☐ No

m) Does the 'car here' indicator conform to 7.6.2 of Part 1 for manual doors?

☐ N/A ☐ Yes ☐ No

n) If the entrance clearances are not in accordance with 4.4d of this table, has it been checked that the car doors are mechanically locked when outside the unlocking zone in normal operation?

☐ N/A ☐ Yes ☐ No