

C5469

GRENFELL TOWER

COMPLETED



ORDER PROGRESS SHEET									
SITE	grenfell tower								
CUSTOMER O/N									
DATE ORDER RECEIVED									
CUSTOMER	kensington and chelsea								
JOB N/O									
Materials	Order To	Order N/O	T&C	Order Date	Quote Req	Required On	Revised Date	Date Received	Quality
DRAWINGS			✓		*				
LABOUR			✓		*				
LIFT REMOVAL			✓		*				
TESTER			✓		*				
SHAFT PAINTING			✓		*				
MAKING GOOD			✓		*				
SPECIALIST WORKS			✓		*				
CRANE			✓		*				
Controller	TVC	62381			*	1-3-05			
Controller fixings									
Controller isolation									
Controller channels									
Rubber mat(s)									
Gear unit	SABBI	62380		15/11/04	*	1-3-05			
Brake switch									
Diverter					*				
Gear oil									

Motor oil									
Bed plate									
Bed plate fixing									
Bed plate isolation									
Isolating mounting channels									
Hand winding control	TVC	62381							
Emergency trickle charger									
Gear isolation switch									
Elevator Monitoring Unit									
Overspeed governor	Booe	62608		61204		10205			
Overspeed governor baseplate									
Governor guard	APEX								
Vee guard	APEX								
Winding Wheel Guard	APEX								
Rope hole guard plates									
Rope hold guard felt									
Motor room plinth ladder									
Motor room hand rail									
Lifting beam						*			
Lifting beam test						*			
Consumer unit									
Consumer unit main switch									
M.C.B.s									
Motor room emer. light test switch									
Socket 13amp									
Motor room light switch(Engraved)									
Lift car light switch(Engraved)									
Motor room lights									
Motor room emgcy lights									
Motor room heaters									
Thermostat									
Spares cabinet									
Tool cabinet									
Tool board									

Encapsulated drawings									
Encapsulated drawings storage									
Motor room access notice									
Electric shock notice									
Hand winding instructions									
Shaft light notice									
Motor room light notice									
Gear oil notice									
Hand winding buzzer notice									
Equipment Paint									
Fire Extinguisher									
CWT guard		APEX							
CWT guard brackets									
Division screens									
Division screen brackets									
Shaft screening									
Shaft screen brackets									
Pit toe-guard									
Fascias									
Fascia brackets									
CWT frame									
CWT fillers									
CWT Filler retaining angle									
CWT Guide shoe brackets									
CWT guide shoes		LITEX 62569		1-12-04		15105			
CWT Guide shoe liners									
CWT Guide shoe oilers									
Main lifting ropes		CERTEX RA064216		19/4/05		21/4/05			
Rope clips & thimbles									
Governor gear rope		CERTEX RA064216		19/4/05		21/4/05			
Governor rope clips									
Rope anchorages car									
Rope anchorages counterweight									
Governor gear torpedo									

Car Guides									
Car Guide Clips									
Car Guide Brackets									
Car Guide Sole Plate									
Car Guide Keeper Plates									
Car Guide F/Plate									
Car F/Plate bolt									
Car Guide wall Fixings									
Car Guide Extensions									
Counterweight Guides									
C/wt Guide Clips									
C/wt Guide Brackets									
C/wt Guide Sole Plate									
C/wt Guide Keeper Plate									
C/wt Guide F/plate									
C/wt F/plate Bolt									
C/wt Guide wall Fixings									
C/wt Guide Extensions									
Drip trays (plastic)									
Car buffer(s) spring - hydraulic									
Car buffer stool(s)									
CWT buffer spring - hydraulic									
CWT buffer stool									
sill + frame									
Door frame fixings									
Stil angles	Prop	62602		61204		FEB 05			
Door frame brackets	"	"							
Bottom track steels	"	"							
Architraves	"	"							
Architrave fixings	"	"							
Landing doors	"	"							
Landing door vision frame	"	"							
Landing door vision frame glass	"	"							
Landing door vision frame makrolon	"	"							
Door spuds	"	"							

Door baffles									
Spring closer plates									
Lock adapter plates									
Hanger adapters									
Lock release pivots									
Door buffers									
Door shims									
Landing hangers	GAL	62608		61204		20.2.05			
Landing locks	GAL	1							
Top tracks	CAL	1							
Spring closers	GAL	1							
Landing safety edges									
Lock releases									
Top track fixings									
Landing door fixings									
Pushes	LIFT	61347		221.05		28.2.05			
Push trays									
oasys									
Indicator lights <i>4CHINES</i>	STAIR	43543		17-205		30.3.05			
Hall lanterns and gongs									
Direction arrows									
Firemans switch									
Pit switch	ATA								
Alarm bells	ATA								
Governor tension pulley frame	APEX								
Shaft switches									
Shaft switch brackets									
Shaft switch guide clips									
Shaft Switch Uni-Strut									
Vanes									
Vane brackets									
Vane guide clips									
Vane fixings									
Tape head tape (per metre)									
Tape head fixing brackets									
Trailers (metres)									

Trailing anchorage								
Trailer halfway clamp								
Compensating chains/ropes								
Pit ladder								
Pit ladder hand rail								
Shaft lighting	ATA							
Pit socket outlet	ATA							
Electrical list	ATA							
Lift Car base	Prop	62602	6 1204		20 205			
Sling	"	"						
Guide shoe brackets	"							
Buffer plates	"							
Sling fixings set	"							
Safety gear	116	62608	6 1204		20 205			
Safety gear switch	"	"	"		"			
Safety gear linkage	"	"	"		"			
Safety gear strap								
Roller guide shoes	LIFTEL	62569	1-1204		15 105			
Slipper guide shoes								
Guide shoe liners								
Guide shoe rollers								
Guide shoe fixings								
Lift car Enclosure	Prop	62602	6 1204		20 205			
Lift car handrail(s)								
Lift car toe guard								
Lift car flooring								
Lift car protective drapes								
Lift car isolation								
Car stabilisers								
Operator back support								
Door gear foot plate								
Car door								
Car door vision frame								
Car door vision frame glass								
Car door vision frame makrolon								

Car door spuds									
Car door baffles									
Slampost buffers									
Car door track									
Car sill support									
Car door hanger assembly	GAL	62602		61204		20.2.05			
Car door operator	GAL	"		"		"			
Car gate contact	GAL	"		"		"			
Safety edge	"	"		"		"			
Detector edge	MEICO								
Coupler									
Photoelectric cell									
Photocell bracket									
Cubic reflector									
Inductors									
Inductor mounting box									
Inductor Connecting Strip									
Tape head unit	TVC	062381							
Tape head magnets									
Car light									
Emergency light unit									
Car top control									
Load weighing device									
Retiring ramp									
Telephone cabinet									
Telephone handset									
Telephone AutoDial	WIND	64716		25.5.05					
Car pushes	LIPS	14							
Car keyswitches		63153							
Car position indicator	STENT	63433							
Car position indicator encoder	STENT	14 Panel							
Speech synthesiser	STENT	"							
Overload indicator	STENT	"							
Fire control indicator									
Door closing buzzer									
Fixed ramp									

Trailer anchorage									
Halfway box									
Terminal connectors									
End caps for trailers									
Load plate									
Cross head data plate	APEX								
Rope gatherer									
Lanyards									
Car Top Guard Rail									
Extras									
Hoardings			✓						
Scaffolding			✓			*			
Capstone/upstand breakout			✓			*			
Architrave breakout			✓			*			
Paint motor room			✓			*			
Paint lift shaft			✓			*			
Cut-out pushes			✓			*			
Cut-out indicators			✓			*			
Build-in architraves			✓			*			
Form new upstands			✓			*			
Enlarge rope holes			✓			*			
Cut new governor holes			✓			*			
New motor room door			✓			*			
New motor room trap-door			✓			*			
New motor room trap-door guarding			✓			*			
3 Phase mains supply			✓			*			
1 Phase Ancillary supply			✓			*			
NICEIC testing			✓			*			
SPRAYING ENTRANCES			✓						
LOHER REGULATOR IF TVLC									
ASTRAGALS									
EXPRESS RELEASE KEY									

ORDER PROGRESS SHEET									
SITE	grenfell tower								
CUSTOMER O/N									
DATE ORDER RECEIVED									
CUSTOMER	butler and young								
JOB N/O	c5471								
Materials	Order To	Order N/O	T&C	Order Date	Quote Req	Required On	Revised Date	Date Received	Quality
DRAWINGS			✓		*				
LABOUR			✓		*				
LIFT REMOVAL			✓		*				
TESTER			✓		*				
SHAFT PAINTING			✓		*				
MAKING GOOD			✓		*				
SPECIALIST WORKS			✓		*				
CRANE			✓		*				
Controller	TULE	65425		11-7-05	*		10-9-05		
Controller fixings									
Controller isolation									
Controller channels									
Rubber mat(s)									
Gear unit					*				
Brake switch									
Diverter					*				
Gear oil									

Motor oil									
Bed plate									
Bed plate fixing									
Bed plate isolation									
Isolating mounting channels									
Hand winding control									
Emergency trickle charger									
Gear isolation switch									
Elevator Monitoring Unit	EMU								
Overspeed governor	BUCHER								
Overspeed governor baseplate									
Governor guard	ADLX								
Vee guard									
Winding Wheel Guard									
Rope hole guard plates									
Rope hold guard felt									
Motor room plinth ladder									
Motor room hand rail									
Lifting beam						*			
Lifting beam test						*			
Consumer unit									
Consumer unit main switch									
M.C.B.s									
Motor room emer. light test switch									
Socket 13amp									
Motor room light switch(Engraved)	A+A								
Lift car light switch(Engraved)	A+A								
Motor room lights	A+A								
Motor room emgcy lights									
Motor room heaters	A+A								
Thermostat									
Spares cabinet									
Tool cabinet									
Tool board									

Encapsulated drawings									
Encapsulated drawings storage									
Motor room access notice									
Electric shock notice	1-1-1								
Hand winding instructions									
Shaft light notice									
Motor room light notice									
Gear oil notice									
Hand winding buzzer notice	1-1-1								
Equipment Paint									
Fire Extinguisher									
CWT guard	HYRO PACKAGE BUCHAR								
CWT guard brackets	GUP 065287								
Division screens									
Division screen brackets									
Shaft screening									
Shaft screen brackets									
Pit toe-guard									
Fascias									
Fascia brackets									
CWT frame									
CWT fillers									
CWT Filler retaining angle									
CWT Guide shoe brackets									
CWT guide shoes									
CWT Guide shoe liners									
CWT Guide shoe oilers									
Main lifting ropes									
Rope clips & thimbles									
Governor gear rope									
Governor rope clips									
Rope anchorages car									
Rope anchorages counterweight									

Governor gear torpedo									
Car Guides									
Car Guide Clips									
Car Guide Brackets									
Car Guide Sole Plate									
Car Guide Keeper Plates									
Car Guide F/Plate									
Car F/Plate bolt									
Car Guide wall Fixings									
Car Guide Extensions									
Counterweight Guides									
C/wt Guide Clips									
C/wt Guide Brackets									
C/wt Guide Sole Plate									
C/wt Guide Keeper Plate									
C/wt Guide F/plate									
C/wt F/plate Bolt									
C/wt Guide wall Fixings									
C/wt Guide Extensions									
Drip trays (plastic)									
Car buffer(s) spring - hydraulic									
Car buffer stool(s)									
CWT buffer spring - hydraulic									
CWT buffer stool									
sill + frame									
Door frame fixings									
Sill angles	Prop	65193		1.7.05		9.9.05			
Door frame brackets	"								
Bottom track steels	"								
Architraves	"	To BE REASURED ?							
Architrave fixings	"								
Landing doors	"								
Landing door vision frame									
Landing door vision frame glass									
Landing door vision frame makrolon									

Door spuds									
Door baffles									
Spring closer plates									
Lock adapter plates									
Hanger adapters									
Lock release pivots									
Door buffers									
Door shims									
Landing hangers	1LF	65203		1-7-05		1-9-05			
Landing locks	"	"							
Top tracks	"	"							
Spring closers	"	"							
Landing safety edges									
Lock releases	Phop	65193		1-7-05		1-9-05			
Top track fixings									
Landing door fixings									
Pushes	LIFE LINE	65205		1-7-05		1-9-05			
Push trays									
oasys									
Indicator trays									
Hall lanterns and gongs									
Direction arrows									
Firemans switch									
Pit switch	ATA								
Alarm bells	ATA								
Governor tension pulley frame	Bucher								
Shaft switches	ATA								
Shaft switch brackets									
Shaft switch guide clips									
Shaft Switch Uni-Strut									
Vanes									
Vane brackets									
Vane guide clips									
Vane fixings									
Tape head tape (per metre)									

Tape head fixing brackets	TUL								
Trailers (metres)	ALA								
Trailing anchorage									
Trailer halfway clamp									
Compensating chains/ropes									
Pit ladder									
Pit ladder hand rail									
Shaft lighting	ATA								
Pit socket outlet	ATA								
Electrical list	ATA								
Lift Car base	PROP	65193		1-7-05		9-9-05			
Sling	Bucher	65287		1-7-05		9-9-05			
Guide shoe brackets									
Buffer plates									
Sling fixings set									
Safety gear									
Safety gear switch									
Safety gear linkage									
Safety gear strap									
Roller guide shoes									
Slipper guide shoes									
Guide shoe liners									
Guide shoe oilers									
Guide shoe fixings									
Lift car Enclosure									
Lift car handrail(s)									
Lift car toe guard									
Lift car flooring									
Lift car protective drapes									
Lift car isolation									
Car stabilisers									
Operator back support	PROP	65193		1-7-05		9-9-05			
Door gear foot plate	PROP	"		"		"			
Car door	PROP	"		"		"			
Car door vision frame									

Car door vision frame glass									
Car door vision frame makrolon									
Car door spuds									
Car door baffles									
Slampost buffers									
Car door track									
Car sill support									
Car door hanger assembly									
Car door operator									
Car gate contact									
Safety edge									
Detector edge	NENCO								
Coupler									
Photoelectric cell									
Photocell bracket									
Cubic reflector									
Inductors									
Inductor mounting box									
Inductor Connecting Strip									
Tape head unit	TULC								
Tape head magnets	TULC								
Car light	RHO								
Emergency light unit									
Car top control	ILC								
Load weighing device	BANKONE	W/A							
Retiring ramp									
Telephone cabinet									
Telephone handset									
Telephone AutoDial	W. NOGARD								
Car pushes	LIFESON	65205		1-7-05		9-9-05			
Car keyswitches									
Car position indicator	STENT	65204		1-7-05		9-9-05			
Car position indicator encoder	INPAUEL								
Speech synthesiser	STENT	65204		1-7-05		9-9-05			
Overload indicator	STENT	65204		1-7-05		9-9-05			
Fire control indicator									

Door closing buzzer									
Fixed ramp									
Trailer anchorage									
Halfway box									
Terminal connectors									
End caps for trailers									
Load plate									
Cross head data plate									
Rope gatherer									
Lanyards									
Car Top Guard Rail									
Extras									
Hoardings	?		✓						
Scaffolding			✓			*			
Capstone/upstand breakout			✓			*			
Architrave breakout			✓			*			
Paint motor room			✓			*			
Paint lift shaft			✓			*			
Cut-out pushes			✓			*			
Cut-out indicators			✓			*			
Build-in architraves			✓			*			
Form new upstands			✓			*			
Enlarge rope holes			✓			*			
Cut new governor holes			✓			*			
New motor room door			✓			*			
New motor room trap-door			✓			*			
New motor room trap-door guarding			✓			*			
3 Phase mains supply			✓			*			
1 Phase Ancillary supply			✓			*			
NICEIC testing			✓			*			
SPRAYING ENTRANCES			✓						

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

Notes for the completion of this certificate

1. The references quoted below in association with a part number refer to clauses, figures, tables or annexes of the stated part of BS 5655. Other clause numbers relate to this subsection of BS 5655.
2. Statements and replies to all relevant questions should be entered in the appropriate boxes. Where multiple choice questions are posed, only one of the alternative boxes should be ticked.
3. Boxes marked with an asterisk (*) should be completed by the vendors design office.
4. Italic type is used where reference is made to a requirement of BS 5655: Part 1: 1986.

1 Description of installation

Location GRENfell TOWER *	Vendor APeX *																					
Length Of Travel 63.209 m	Vendors Identification No C5470 *																					
Number of levels served:	Purchasers identification No H091 1791 *																					
Total 22 * Front 22 * Rear 1 * Side 1 *	Power Supply <input checked="" type="radio"/> Permanent <input type="radio"/> Temporary																					
Rated Load 900 kg * 12 Persons * Rated Speed 2.0 m/s *	<table border="1"> <thead> <tr> <th></th> <th>Specified</th> <th>Actual at time of test</th> </tr> </thead> <tbody> <tr> <td>Voltage</td> <td>415 *</td> <td>413</td> </tr> <tr> <td>Phase</td> <td>3 *</td> <td>3</td> </tr> <tr> <td>Frequency</td> <td>50Hz *</td> <td>50Hz</td> </tr> <tr> <td>Wire(3or4)</td> <td>3 *</td> <td>3</td> </tr> <tr> <td>Fuse Rating</td> <td></td> <td>100</td> </tr> <tr> <td>Fuse Type</td> <td></td> <td>HRC</td> </tr> </tbody> </table>		Specified	Actual at time of test	Voltage	415 *	413	Phase	3 *	3	Frequency	50Hz *	50Hz	Wire(3or4)	3 *	3	Fuse Rating		100	Fuse Type		HRC
	Specified	Actual at time of test																				
Voltage	415 *	413																				
Phase	3 *	3																				
Frequency	50Hz *	50Hz																				
Wire(3or4)	3 *	3																				
Fuse Rating		100																				
Fuse Type		HRC																				
Machine room location <input checked="" type="radio"/> Above well * <input type="radio"/> Below well * <input type="radio"/> At side * <input type="radio"/> Within Shaft *	Are the above entries acceptable? <input type="radio"/> Yes <input type="radio"/> No																					
Machine room temperature at start of dynamic tests 26 °C	<table border="1"> <thead> <tr> <th></th> <th>Specified *</th> <th>Actual</th> </tr> </thead> <tbody> <tr> <td>Main Switch Rating</td> <td>100 A</td> <td>100 A</td> </tr> <tr> <td>Is the Switch Fused</td> <td><input type="radio"/> Yes <input type="radio"/> No</td> <td><input checked="" type="radio"/> Yes <input type="radio"/> No</td> </tr> <tr> <td>Is it lockable off</td> <td><input type="radio"/> Yes <input type="radio"/> No</td> <td><input checked="" type="radio"/> Yes <input type="radio"/> No</td> </tr> <tr> <td>Number of poles</td> <td></td> <td>3</td> </tr> </tbody> </table>		Specified *	Actual	Main Switch Rating	100 A	100 A	Is the Switch Fused	<input type="radio"/> Yes <input type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No	Is it lockable off	<input type="radio"/> Yes <input type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No	Number of poles		3						
	Specified *	Actual																				
Main Switch Rating	100 A	100 A																				
Is the Switch Fused	<input type="radio"/> Yes <input type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No																				
Is it lockable off	<input type="radio"/> Yes <input type="radio"/> No	<input checked="" type="radio"/> Yes <input type="radio"/> No																				
Number of poles		3																				
Reeving Ratio 1 - 1 *	NOTE. A four-pole switch is necessary if emergency lowering is fitted																					



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

2. Static Examination (mechanical)

2.1 Suspension

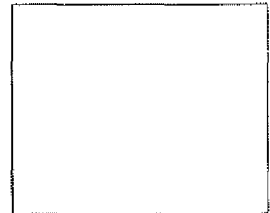
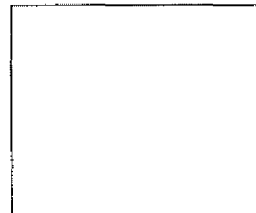
a) Suspension ropes:

	Specified	Actual
Number:	6	6
Nominal diameter:	13 mm	13 mm
Lay & construction:	ORDINARY R/H	ORDINARY R/H
Is test certificate in order & available?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Is rope data plate fitted to crosshead?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

b) Rope anchorages :

	Car	Counterweight
Type	WEDGECLAMP	WEDGECLAMPS
Number Of Rope Grips (if any):	1	1
Confirm that rope grips (if any) are fitted correctly :	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> Yes
State BS number and type of socketed anchorages used (if any):	EYEBOLTS	EYEBOLTS

Describe any other kind of anchorage used:



	Specified	Actual
Are anchorages in accordance with 9.2.3. of part 1 ?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No *	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Are the anchorages prevented from rotating through 180° ?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No *	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Do the ropes conform to 9.5 of part 1 ensuring distribution of load between the ropes?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No *	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

c) Suspension chains:

	Specified	Actual
1) Number :	<input checked="" type="checkbox"/> N/A	
2) Pitch :		
3) Type and construction:		



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

- 4) Is the chain test certificate available and in order? ☐ Yes ☐ No *
- 5) Are the anchorages in accordance with 9.2.5 of Part 1? ☐ Yes ☐ No *
- 6) Do the chains conform to 9.5 of part 1, ensuring distribution of load between chains? ☐ Yes ☐ No * Specified Actual
☐ Yes ☐ No ☐ Yes ☐ No
- d) Eyebolts: ☐ Yes ☐ No * Specified Actual
 If eyebolts used do they conform to Part 8? ☐ Yes ☐ No ☐ Yes ☐ No

2.2 Compensation

- a) Is compensation provided? ☐ Yes ☒ No *
- b) If yes what type? ☐ Yes ☐ No *
- | | Specified | Actual |
|------------------|-----------|--------|
| 1) Rope: | * | * |
| 2) Chain: | * | * |
| 3) Anti Rebound: | * | * |
| 4) Number: | * | * |
| 5) Size: | * | * |

2.3 Safety gear, overspeed governor, overspeed governor rope and tension pulley

- a) Has the safety gear been tested in accordance with F.3 of part 1 and certified in accordance with F.3.5 of part 1? ☒ Yes ☐ No *
- b) If YES, is the data plate fitted in accordance with 15.14 of Part 1? ☒ Yes ☐ No
- c) Is the safety gear sealed (see 9.8.6.4 of Part 1)? ☒ Yes ☐ No
- d) Confirm that the governor has been tested in accordance with F.4 of Part 1 and certified in accordance with F.4.3 of part 1: ☒ Yes ☐ No *
- e) Specify overspeed governor type: BIDIRECTIONAL - BODE
- f) State type of overspeed governor fitted: BODE VCB 098/1
- g) Is the data plate fitted & in accordance with 15.6 of Part 1? ☒ Yes ☐ No
- h) Confirm that the governor is sealed: ☒ Yes
- | | Specified | mm | Actual | mm |
|--|-----------|----|--------|----|
| i) State safety rope nominal diameter: | 8 | | 8 | |
- j) Confirm that the safety gear, overspeed governor, overspeed governor rope and the tension pulley operate as a compatible system: ☒ Yes * ☒ Yes



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

2.4 Car

a) Confirm that the available floor area, related to rated load and maximum number of passengers, conforms to 8.2 of Part 1?

☒ Yes *

b) State the internal width, i.e. wall to wall (without finishes):

Specified

mm*

Actual

1400

mm

c) State the internal depth, i.e. front return to rear wall or front return to rear return (without finishes):

mm*

1400

mm

2.5 Energy accumulation buffers (spring buffers)

☒ N/A *

a) Confirm that the buffers conform to 10.4.1 of part 1

☐ Yes *

b) State number fitted

Specified

*

Actual

c) Confirm that the buffers are correctly identified

☐ Yes

2.6 Energy accumulation buffers (polyurethane buffers)

☒ N/A *

a) Confirm that the buffers conform to 10.4.1 of part 1

☐ Yes *

b) State size selected:

Specified

*

Actual

c) State number fitted:

*

d) Confirm that the buffers are correctly identified:

☐ Yes

2.7 Energy dissipation buffers (e.g. oil)

☐ N/A *

a) Confirm that the buffers have been tested in accordance with F.5 of Part 1 and certified in accordance with F.5.4 of Part 1?

☒ Yes *

b) Is the data plate in accordance with 15.8 of part 1?

☒ Yes ☐ No



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

c) If No are they suitable for submission to the test described in 11.3 of this table?

☒ N/A ☐ Yes ☐ No

d) Are they correctly filled and not leaking?

☒ Yes ☐ No

e) Is there reduced stroke buffering (see item 10 of this table)?

☐ Yes ☒ No *

f) Is the stroke of each buffer in accordance with 10.4.3 of Part 1?

☒ Yes ☐ No

g) State number fitted

Specified
2

Actual
2

2.8 Brake

Confirm that the brake sustains the static car at the lowest level when loaded with 125% of rated load

☒ Yes

2.9 Landing door assemblies

a) Does the contract require the landing door assemblies to be fire-rated

☒ Yes ☐ No *

If YES what is the fire-rating requirement

2 Hour*

b) Is the test certificate available and in order

☐ N/A ☒ Yes ☐ No *

c) If yes and the doors are manually operated is the means of fire prevention a fusible link

☒ N/A ☐ Yes ☐ No *

d) If NO describe the method used

e) Confirm that the fire rated elements of the door assembly are correctly fitted :

☒ Yes

2.10 Door locks

a) Confirm that all the door locks have been tested in accordance with F1 of Part 1 and certified in accordance with F.1.4 of Part 1:

☒ Yes *

b) Does the data plate conform to 15.13 of Part 1:

☒ Yes ☐ No



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

3 Static examination (electrical)

3.1 Electric safety devices

Confirm that the electric safety devices are in accordance with appendix A of Part 1

☒ Yes

3.2 Insulation resistance to earth (see clause 5)

- | | | |
|--|-------|--------|
| a) Lift motor | > 280 | M Ohms |
| b) MG set (if fitted) | | |
| 1) Motor | | M Ohms |
| 2) Generator | | M Ohms |
| c) Power system | > 900 | M Ohms |
| d) Safety devices
(state minimum reading) | > 900 | M Ohms |

3.3 Earthing

a) Is the maximum continuity resistance to the earth provided less than 0.5 Ohms ? (see clause 7b):

☒ Yes ☐ No

b) Is the car connected to the controller earthing terminal by a separate conductor at least 0.75mm in cross section

☒ Yes ☐ No

3.3 Protection of conductors

a) Is the fixed wiring in conduits (or trunking, or fittings which ensure equivalent protection) throughout?

☒ Yes ☐ No

b) If NO do the cables conform to 13.5.1.2 of Part 1?

☒ N/A ☐ Yes ☐ No

3.3 Phase failure device

Confirm that the phase reversal and phase failure protection operates correctly:

☒ Yes

3.3 Electrical wiring

Do the electrical conductors, including travelling cables conform to 13.5 of Part 1?

☒ Yes ☐ No

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100

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

4 Dynamic tests

4.1 Safety contact/circuits

a) Have the contacts at each landing entrance been proved so that when broken they stop and prevent movement of the car outside the unlocking zone?

☒ Yes ☐ No

b) Have the mechanical locks at each landing entrance been proved for positive locking?

☒ Yes ☐ No

c) Have the car door/gate contacts been proved so that when broken there is no car movement outside the unlocking zone?

☒ Yes ☐ No

d) If separate terminal stopping switches are fitted, do they operate satisfactorily?

☐ N/A ☒ Yes ☐ No

e) Do the final limit switches operate satisfactorily?

☒ Yes ☐ No

f) State the distance beyond terminal floor level at which the final limit switches are set to operate:

	Nominal		Actual	
Top	150	mm*	100	mm
Bottom	150	mm*	100	mm

g) Have the stopping devices on the car top and in the pulley room and pit been proved so that when broken they stop and prevent movement of the car?

☒ Yes ☐ No

h) Have all the other switches/contacts in safety devices been proved so that when broken they stop and prevent movement of the car?

☒ Yes ☐ No

i) Does the earthing of the most remote contact (lock or push button) operate a fuse or trip a circuit breaker without delay?

☒ Yes ☐ No

j) Have the stopping devices on the car top and in the pulley room and pit, been proved so that when broken they stop and prevent movement of the car under emergency electrical operation?

☒ N/A ☒ Yes ☐ No

4.2 Car top control station

a) Confirm that the lift speed when under car top control does not exceed 0.63 m/sec:

☒ Yes

b) Speed up:

0.25 m/s

c) Speed down:

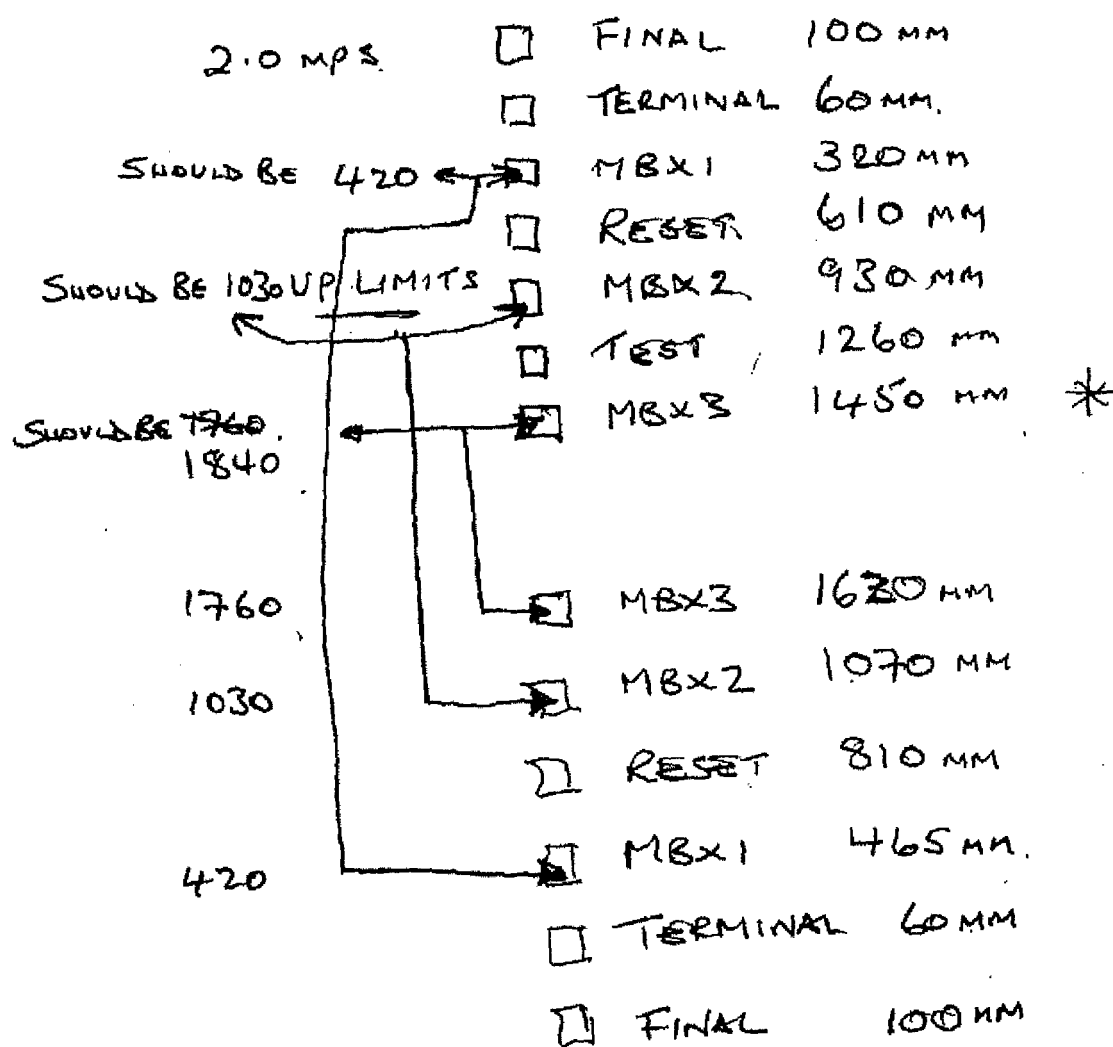
0.25 m/s

d) Confirm that the design of the car top station conforms to 14.2.1.3 of part 1:

☒ Yes

e) Confirm that the operation of the car top station conforms to 14.2.1.3 of Part 1:

☒ Yes



CAR TO BUFFER 130
 BUFFER STROKE: 230

* SET MBX3 (TOP FLOOR) 50 mm lower
 TO ALLOW FOR EMPTY CAR

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

4.3 Clearance and run-bys

a) Will the car and counterweight clear all obstacles with the car and rated load compressing the car buffers?

☒ Yes ☐ No

b) When the counterweight rests on its fully compressed buffers, what is the minimum distance to the first striking point above the car, determined in accordance with 5.7.1.1c of Part 1?

~~440~~ mm 240 mm
m*

c) By how much is the distance in b) exceeded?

m 20 mm

d) When the counterweight rests on its fully compressed buffers, is there a sufficient space to accommodate a rectangular block 0.5 m x 0.6 m x 0.8 m above the car as specified in 5.7.1.1d of Part 1?

☒ Yes ☐ No

e) Confirm that the further guided travel of the counterweight, with the car on its fully compressed buffers, exceeds 300mm, as specified in 5.7.1.2 of part 1:

☒ Yes

f) When the car rests on its fully compressed buffers, is there a sufficient space to accommodate a rectangular block 0.5 m x 0.6 m x 1.0 m below the car as specified in 5.7.3.3 of Part 1, and at least 0.5 m between the bottom of the pit and the lowest point of the car

☒ Yes ☐ No

NOTE. Attention is drawn to the requirement given in 5.7.3.3.b2 of part 1 that the clear distance between the bottom of the pit and the lowest part of the guide shoes or rollers of safety gear block, toe guards or parts of vertical sliding doors be at least 0.1m

4.4 Entrance clearances

a) Is the horizontal distance between the sill of the car and sill of all the landing doors 35 mm or less?

☒ Yes ☐ No

b) Is the running clearance between door panels, and between panels and upright, lintels or sills 6 mm or less?

☒ Yes ☐ No

c) Confirm that no recess or projection on the face of the sliding door panels exceeds 3 mm:

☒ Yes

d) Is the distance between the inner surface of the well and the sill or framework of the car entrance or door 0.15 m or less, or 0.2 m if over a height not exceeding 0.5 m?

☒ Yes ☐ No

e) If the answer to d) is NO, is the car door mechanically locked when away from the unlocking zone, in accordance with 8.11.1 of Part 1?

☐ N/A ☒ Yes ☐ No

1
 2
 3
 4
 5
 6
 7
 8
 9
 10
 11
 12

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

4.5 Door tests

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

- a) How are the doors operated? ☐ Manually ☒ Powered If so answer f, h, i, j, k, l, m, n. 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: 140 N
- c) Is the measured kinetic energy 10 J or less? ☒ Yes ☐ No
State the figure recorded: 4 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? AC CIRCUIT BREAKER
☒ A.C. circuit breaker ☐ Three phase circuit breaker ☐ Overloads in each phase ☒ Timing relay ☐ Thermistors
- State the relevant characteristics: ☐ N/A Time to operate 20 s
Trip current (if applicable) 3 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

1
J
1
1
1
1
J
J
1
1
1
1
1
J
J

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

5 Measurements of the electrical system

a) State the power system (use terms as described in 4.2.3 of Part 6)

b) Provide the following details of the lift motor (as stated on the data plate)

	Specified	Actual
Maker		* ZIEHL ABE44
Serial number		* 0450077312
Type		* MS3 VED200L-4
Voltage	v	* 3~Y360/400
Power Rating	kw	* 30 kw
Current Rating	A	* 66 A
Speed	r.p.m.	* 1470 r.p.m.
Class of Insulation		* F
Duty rating		* 240 SPM.

c) Measure and record the following operational data when the car is at mid point of travel

Rated-speed operation (with lift performing approximately to its power system)									
Car loading condition		Lift motor speed 1) r.p.m.	Lift speed 1) m/s	Lift motor input			System input 2)		
				Running		Start	Running		Start
				V	A	A	V	A	A
Empty	up	1351	2.0	571	40.7	63.5	412	1.1	45.2
	down	1348	2.0	547	46.5	98.4	410	29.5	76.9
Balanced	up	1349	2.0	556	39.2	80.2	413	9.8	59.0
	down	1350	2.0	559	38.4	78.2	413	9.4	58.8
Rated	up	1348	2.0	548	47.0	103.5	412	30.5	79.2
	down	1352	2.0	572	39.8	63.8	416	1.1	45.6

- 1) Complete either of these columns in its entirety & make one entry only in the alternative column for the "rated up" condition
 2) Energy convertor or equivalent. Measure the system input to the controller from the main supply

Low-speed operation (with two speed a.c. motor)									
Car loading condition		Lift motor speed 1) r.p.m.	Lift speed 1) m/s	Lift motor input			System input 2)		
				Running		Start	Running		Start
				V	A	A	V	A	A
Empty	up								
	down								
Balanced	up								
	down								
Rated	up								
	down								

- 1) Complete either of these columns in its entirety & make one entry only in the alternative column for the "rated up" condition
 2) Energy convertor or equivalent. Measure the system input to the controller from the main supply



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

Maximum levelling deviation			
Car loading condition		Maximum levelling deviation (+ or -)	
		Specified mm	Actual mm
Empty	up		4
	down		2
Balanced	up		3
	down		3
Rated	up		2
	down		4

d) Quote the following data from the nameplate of the associated energy converter(s)

☐ N/A

1) Type

CIMR-L84045

2) Serial No

J00496963T002

3) Input

kw

115

A

400 V

r.p.m.

4) Output

kw

80 kv A

400 V

r.p.m.

6 Lift motor overcurrent protective devices

6.1 Main windings

a) Measure and record the following (tick box or enter value, as appropriate):

Type of device	Manual reset	Automatic reset	Time to operate s	Trip current A	Setting
Three phase circuit breaker	✓	<input checked="" type="checkbox"/>		100	
Overloads in each phase	✓	<input checked="" type="checkbox"/>	19		
Timing relay		✓		<input checked="" type="checkbox"/>	
Thermistor		✓		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Other (name type)					

b) Have you found these satisfactory?

☒ Yes ☐ No

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

7 Overspeed governor tests

7.1 Car governor

Complete the following:

Governor type: TYPE 7. BODE VCB 098/1

Serial number: 101101886

Device	Tripping speed			Does it operate effectively?
	m/s			
	Marked	Measured		
	2.63	Car up	Car down	
Electrical		2.60	2.64	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Mechanical			2.79	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

State how the governor was tested on the installation

BIDIRECTIONAL GOVERNOR

CNT TESTED EMPTY CAR WITH CNT IN FREEFALL
 CAR TESTED FULL LOAD WITH CAR IN FREEFALL

7.1 Counterweight governor

Complete the following:

☒ N/A

Governor type:

Serial number:

Device	Tripping speed			Does it operate effectively?
	m/s			
	Marked	Measured		
		Car up	Car down	
Electrical				<input type="radio"/> Yes <input type="radio"/> No
Mechanical				<input type="radio"/> Yes <input type="radio"/> No

State how the governor was tested on the installation:



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

8 Car safety gear test

NOTE. The following tests are to be conducted with the car descending. The test load is to be uniformly distributed in the car, and the safety gear switch, overspeed governor switch, buffer switch or any other electrical devices that may cause the lift to stop are to be temporarily shorted out. During the tests the brake is to be kept open, with the machine continuing to run until the ropes slip or become slack

8.1 Progressive safety gear☒ N/A

a) Does the safety gear operate correctly when engaging at rated speed with 125 % of rated load uniformly distributed ?

☒ Yes ☐ No

b) State slide distance?

495 mm

EMPTY CAR
UP
1670 mm

c) Does this value lie within the range given by the manufacturer?

☒ Yes ☐ No

d) Is the floor of the lift car horizontal or sloping less than 5 % from the horizontal?

☒ Yes ☐ No

e) Following the test of 8.1a, confirm that no deterioration which could adversely affect the normal use of the lift has occurred:

☒ Yes**8.2 Instantaneous safety gear**☒ N/A

a) Does the safety gear operate correctly when engaging at rated speed with the rated load uniformly distributed ?

☐ Yes ☐ No

b) Is the floor of the lift car horizontal or sloping less than 5 % from the horizontal?

☐ Yes ☐ No

c) Following the test of 8.2a, confirm that no deterioration which could adversely affect the normal use of the lift has occurred:

☐ Yes**9 Counterweight safety gear test**

NOTE. The following tests are to be conducted with the counterweight descending. There is to be no load in the car and the safety gear switch, overspeed governor switch, buffer switch or any other electrical devices that may cause the lift to stop are to be temporarily shorted out. During the tests the brake is to be kept open, with the machine continuing to run until the ropes slip or become slack.

9.1 Progressive safety gear☒ N/A

a) Does the safety gear operate correctly when engaging at rated speed with the car empty?

☐ Yes ☐ No

b) State slide distance?

m

c) Does this value lie within the range given by the manufacturer?

☐ Yes ☐ No

d) Following the test of 9.1a, confirm that no deterioration which could adversely affect the normal use of the lift has occurred:

☐ Yes**9.2 Instantaneous safety gear**☒ N/A

a) Does the safety gear operate correctly when engaging at rated speed with the car empty?

☐ Yes ☐ No

b) Following this test, confirm that no deterioration which could adversely affect the normal use of the lift has occurred:

☐ Yes

[illegible]

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

10 Reduced stroke buffering	<input checked="" type="radio"/> N/A	
Does the terminal speed reduction system ensure that the buffer impact speed is appropriate to the stroke of the buffer (see 10.4.3.2 of Part 1)?		
<input type="radio"/> Yes <input type="radio"/> No		
11 Buffers		
11.1 Energy accumulation buffers (spring type)		
When the car with its rated load is placed on the buffer(s), the ropes being made slack, confirm that the compression corresponds to that given by the characteristic curve of the buffer (as supplied by the buffer supplier or the lift supplier):		
<input checked="" type="radio"/> N/A <input type="radio"/> Yes		
11.2 Energy accumulation buffers (polyurethane type)		
When the car with its rated load is placed on the buffer(s), the ropes being made slack, confirm that the compression corresponds to that given by the characteristic curve of the buffer (as supplied by the buffer supplier or the lift supplier):		
<input checked="" type="radio"/> N/A <input type="radio"/> Yes		
11.3 Energy dissipation buffers (oil type)		
<input type="radio"/> N/A		
a) Car buffers: When the car is brought into contact with the buffers at rated load, at rated speed or at a speed for which the stroke of the buffers has been calculated, is operation satisfactory?		
<input checked="" type="radio"/> Yes <input type="radio"/> No		
b) Counterweight buffers: When the counterweight is brought into contact with the buffer with the car empty at rated speed, or at a speed for which the stroke of the buffer has been calculated, is operation satisfactory?		
<input checked="" type="radio"/> Yes <input type="radio"/> No		
c) Do the buffers recover automatically after operation?		
<input checked="" type="radio"/> Yes <input type="radio"/> No		
12 Traction checks		
a) Does the car stop under emergency conditions:		
1) with car empty, when travelling upwards at rated speed?		
<input checked="" type="radio"/> Yes <input type="radio"/> No		
2) with 125 % rated load, when travelling downwards in the lower part of the well at rated speed?		
<input checked="" type="radio"/> Yes <input type="radio"/> No		
b) When the counterweight is resting on its compressed buffers is it impossible for the empty car to be raised under power?		
<input checked="" type="radio"/> Yes <input type="radio"/> No		
c) From the measurements recorded in item 5 of this table is the balance satisfactory?		
<input checked="" type="radio"/> Yes <input type="radio"/> No		
State the percentage of the balance:		
Specified 50 % Actual 50 %		
d) Confirm that the filler weights in the counterweight have been secured:		
<input checked="" type="radio"/> Yes		



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

13 Duty cycle tests

a) Does the lift operate satisfactorily for a period of at least 0.5 h when running with rated load, full travel and intermediate stops at a rate of starts at least equal to the number of starts recommended in part 4.2 of Part 6?

☒ Yes ☐ No

b) State the machine room temperature at the end of this test:

29.9 °C

Is this temperature rise acceptable?

☒ Yes ☐ No

If NO, state reasons:

NOTE. It may be necessary to adjust or omit the operation of the doors to achieve the required number of starts per hour

14 General

a) Is the maximum load indicated in the car (e.g. number of persons, load in kilograms and identification number) and does it conform to 15.2.1 of Part 1?

☒ Yes ☐ No

b) If the lift is a firefighting lift, confirm that it has been designed in accordance with BS 5588 : Part 5:

☒ N/A ☐ Yes

c) If the lift is a firefighting lift, confirm that it has been tested in accordance with BS 5588 : Part 5:

☒ N/A ☐ Yes

d) If the lift has an evacuation system for disabled persons, confirm that it has been designed in accordance with BS 5588 : Part 8:

☒ N/A ☐ Yes

e) If the lift has an evacuation system for disabled persons, confirm that it has been Tested in accordance with BS 5588 : Part 8:

☒ N/A ☐ Yes

f) Confirm that the emergency instructions are displayed in the machine room in accordance with 15.4 of Part 1:

☒ Yes

g) Confirm that the emergency operation system(s) function correctly in accordance with 12.5 of Part 1:

☒ Yes

To whom has the emergency operation system been demonstrated?

Name:

S. ELLIS

Organisation:

BUTLER & YOUNG
LIFT CONSULTANTS

h) Confirm that the artificial lighting in the machine room conforms to 6.3.6 of Part 1:

☒ Yes



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

i) Confirm that the artificial lighting in the well conforms to 5.9 of Part 1:

☐ N/A ☒ Yes

j) Are the machine room conditions satisfactory?

☒ Yes ☐ No

If NO, state reasons:

k) Are the provisions for heating and ventilating the machine room in working order?

☒ Yes ☐ No

l) Confirm that the machine room doors or trap doors are fitted with a suitable lock conforming to 6.3.3.3 of Part 1:

☒ Yes

Audible signal

Voice communication

m) What are the means of emergency communication for passengers in the lift car?

Confirm that at least one means of emergency communication works:

☒ Yes

n) Confirm that the emergency lighting of the car stays illuminated for at least 1h:

☒ Yes

o) Is there safe means of access to all items of lift equipment in accordance with Part 1?

☒ Yes ☐ No

If NO, state reasons:

p) Confirm that the safety notices/instructions specified in clause 15 of Part 1 and recommended in 3.6 of Part 6 are correctly displayed:

☒ Yes

q) Confirm that the toe guard conforms to 8.4 of Part 1:

☒ Yes

r) Has a counterweight screen been fitted?

☐ N/A ☒ Yes ☐ No

15 Conclusions

a) Following the foregoing tests, confirm that all items for which the lift contractor is responsible are complete and that no deterioration which could adversely affect the normal use of the lift has occurred

☒ Yes

J

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

b) Are all the items associated with the installation, for which the lift manufacturer is not responsible, in a suitable state for the installation to be put into service?

☒ Yes ☐ No

NOTE. Some items requiring attention may not be part of the contract for the lift but part of the installation and the responsibility of others. A list of typical inclusions and exclusions is given in BS 5655 : Part 6

If NO, provide details :

16 Declaration of conformity of design and manufacture

Does the design and manufacture of the lift conform to BS 5655 : Part 1?

☒ Yes ☐ No *

If NO, state deviations:

Signatures(s):

R. [Signature]

Company position:

PROJECT MANAGER / TESTER *

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100
101
102
103
104
105
106
107
108
109
110
111
112
113
114
115
116
117
118
119
120
121
122
123
124
125
126
127
128
129
130
131
132
133
134
135
136
137
138
139
140
141
142
143
144
145
146
147
148
149
150
151
152
153
154
155
156
157
158
159
160
161
162
163
164
165
166
167
168
169
170
171
172
173
174
175
176
177
178
179
180
181
182
183
184
185
186
187
188
189
190
191
192
193
194
195
196
197
198
199
200
201
202
203
204
205
206
207
208
209
210
211
212
213
214
215
216
217
218
219
220
221
222
223
224
225
226
227
228
229
230
231
232
233
234
235
236
237
238
239
240
241
242
243
244
245
246
247
248
249
250
251
252
253
254
255
256
257
258
259
260
261
262
263
264
265
266
267
268
269
270
271
272
273
274
275
276
277
278
279
280
281
282
283
284
285
286
287
288
289
290
291
292
293
294
295
296
297
298
299
300
301
302
303
304
305
306
307
308
309
310
311
312
313
314
315
316
317
318
319
320
321
322
323
324
325
326
327
328
329
330
331
332
333
334
335
336
337
338
339
340
341
342
343
344
345
346
347
348
349
350
351
352
353
354
355
356
357
358
359
360
361
362
363
364
365
366
367
368
369
370
371
372
373
374
375
376
377
378
379
380
381
382
383
384
385
386
387
388
389
390
391
392
393
394
395
396
397
398
399
400
401
402
403
404
405
406
407
408
409
410
411
412
413
414
415
416
417
418
419
420
421
422
423
424
425
426
427
428
429
430
431
432
433
434
435
436
437
438
439
440
441
442
443
444
445
446
447
448
449
450
451
452
453
454
455
456
457
458
459
460
461
462
463
464
465
466
467
468
469
470
471
472
473
474
475
476
477
478
479
480
481
482
483
484
485
486
487
488
489
490
491
492
493
494
495
496
497
498
499
500
501
502
503
504
505
506
507
508
509
510
511
512
513
514
515
516
517
518
519
520
521
522
523
524
525
526
527
528
529
530
531
532
533
534
535
536
537
538
539
540
541
542
543
544
545
546
547
548
549
550
551
552
553
554
555
556
557
558
559
560
561
562
563
564
565
566
567
568
569
570
571
572
573
574
575
576
577
578
579
580
581
582
583
584
585
586
587
588
589
590
591
592
593
594
595
596
597
598
599
600
601
602
603
604
605
606
607
608
609
610
611
612
613
614
615
616
617
618
619
620
621
622
623
624
625
626
627
628
629
630
631
632
633
634
635
636
637
638
639
640
641
642
643
644
645
646
647
648
649
650
651
652
653
654
655
656
657
658
659
660
661
662
663
664
665
666
667
668
669
670
671
672
673
674
675
676
677
678
679
680
681
682
683
684
685
686
687
688
689
690
691
692
693
694
695
696
697
698
699
700
701
702
703
704
705
706
707
708
709
710
711
712
713
714
715
716
717
718
719
720
721
722
723
724
725
726
727
728
729
730
731
732
733
734
735
736
737
738
739
740
741
742
743
744
745
746
747
748
749
750
751
752
753
754
755
756
757
758
759
760
761
762
763
764
765
766
767
768
769
770
771
772
773
774
775
776
777
778
779
780
781
782
783
784
785
786
787
788
789
790
791
792
793
794
795
796
797
798
799
800
801
802
803
804
805
806
807
808
809
810
811
812
813
814
815
816
817
818
819
820
821
822
823
824
825
826
827
828
829
830
831
832
833
834
835
836
837
838
839
840
84

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

17 Declaration of test

I/we certify that on 9/8/05 the equipment was thoroughly examined and found to be free from obvious defects, subject to any statement in 15c and that the foregoing is a correct report of the result.

Vendor/purchaser's identification number:

Signatures(s):

<input type="text"/>	<input type="text"/>
----------------------	----------------------

Name and address of public service, association, company firm or person making the examination:

Position in the above organization of the person who conducted the examination:

or
Qualifications of examiner, if working on his/her own account:

Test certificate serial number:

Date: