# OTIS

Test and Inspec	ction Report Lift Safety Standard: EN81-20					
	Otis Contract No: 31N12073					
	Lift No: 4					
Site Name: Site Address:	Wellington Health					
	12-22 Wellington Road					
	State: Victoria					
Otis Model Name:	Gen2					
Design Registration No:						
This report also con	tains:					
☐ Building Code Req	uirements for NCC - National Construction Code					
☐ Electrical Test Sheet						
☐ Electrical Test She	et					
☐ Electrical Test She☐ Full AS1735.12 Dis						



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EN81-20	Lift serial No. Layout Drawing Ref No.	Y	N	N/A			
	Model Type: Controller Type:						
	1. Description of Installation						
	Travel: 97.570 m Rated Load: 2000 kg 27 persons Rated Speed: 2.5 m/s						
	No of levels served:						
	Total: 27 Front: Rear:						
	Machinery space location: Top of well						
	Power supply:  400 V V Voltage Permanent						
	3Phase50HzHzHzTemporary						
	5 Wire Confirm the above is in accordance 3 or 4 Pole MCB Fuse type with the layout drawing/wiring						
	A A Fuse rating diagram or other information sheets						
	2. Machinery Spaces, Controller and E & I Panel						
	2.1 Main Switch  (a) Confirm the mains switch and the above is in accordance with that specified						
5.10.5	(b) Confirm the main switch control mechanism is easily identifiable & accessible						
0.10.0	(c) Confirm it is lockable in the OFF position						
	2.2 Lighting						
5.2.1.4.2	Confirm there is a minimum light level of 200 lx at controllers						
5.2.1.4.2	Confirm there is a minimum light level of 200 lux at E&I panel						
5.2.6.3.2	2.3 Dimensions  Confirm there is standing space and height in front of E&I panel						
	2.4 Access						
5.2.2	Confirm there is safe access without necessitating entry to private premises						
5.2.6.2	Safety Signs     Confirm the mains switch is clearly marked "Main Circuit Breaker" and Emergency Rescue     Instructions are in place.						
5.12.3	2.6 Communication						
	Confirm there is an in place and working (ICU), mandatory for > 30m travel			_			

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EN81-20	3. The \	Vell		Y N N/A
5.2.5.6.1		ances and Run-by for below, jump allowance h = 0.035v <sup>2</sup>		
5.2.5.7.1		counterweight resting on it's fully compressed buffers CONFIRM:  \[ \text{refuge space is available and labelled} \]  \[ \text{Crouching}  0.5x0.7x1m high  Upright  0.4x0.5x2m high \]	Minimum 1m	Measured
5.2.5.7.2	(i) T	he rail lengths will accommodate a further guided travel of at least (0.1+h)m	<b>0.319</b> m	
	` '	The free vertical distance between the lowest part of the ceiling of the well and the op of car guardrail is at least (0.3+ h) m, OR for Gen2 (0.1+h)m	<b>0.319</b> m	
	h	The free vertical distance between the lowest part of the ceiling of the well and the ighest part of the guide shoes/rollers, rope attachments/header or parts of vertically liding doors should be at least (0.1+h)m	<b>0.319</b> m	
5.2.5.8 5.2.5.8.1 5.2.5.8.2		car resting on it's fully compressed buffers CONFIRM there is: One of the 3 man refuge space, and correct pictogram Upright 0.4x0.5x2m high Crouching 0.5x0.7x1m high Laying 0.7x1x of further guided travel of the counterweight is at least (0.1+h)m	0.5m high	
J.Z.J.U.Z	(ii) A	A free vertical space between the bottom of the pit and the lowest part of the car excluding the area in (i) below) of at 0.5m		
	a	free vertical distance of not less than 0.1m within a horizontal distance of 0.15m between or parts of the vertical sliding door and adjacent walls and (2) the lowest parts of the guide rails.	` '	
		except for items in (iii) above, a free vertical distance between highest parts in the it and the lowest part of the car of at least 0.3m.		
	3.3 Buffe	rs		
5.8.1	3.3.a Car Co	nfirm the buffer type is correct for the speed <= 1.0m/s Pol	Specified lyurethane lydraulic	
		nergy Accumulation (Non-linear Type) nfirm the buffer has been CE marked and speed/load ratings are appropriate		
	Buffe Whei	nergy Dissipation Buffers (Hydraulic Type) r is full of oil, securely fastened and vertical n the car with its rated load is brought into contact with the buffer the speed nich the buffer is designed confirm that no deterioration occurs to the lift.	FPC	
	3.3.b Cou	interweight Buffers	Specified	
	Co	71	lyurethane lydraulic	
		nergy Accumulation (Non-linear Type)  nfirm the buffer has been CE marked and speed/load ratings are appropriate		
	Buffe Whei	nergy Dissipation Buffers (Hydraulic Type) r is full of oil, securely fastened and vertical n the counterweight with empty car is brought into contact with the buffer e speed for which the buffer is designed confirm that no deterioration occurs to the lift.	FPC	

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EN81-20	3.4	I 4 Protection in the Well		Υ	N	N/A
5.2.5.5.1		Confirm a rigid counterweight screen has been fitted.				
5.2.5.5.2.1	(b)	Confirm that in the case of adjacent lifts is there a screen in the pit extending to a height of 2.5r above the lowest landing, and extending to 300mm from pit floor	m			
5.2.5.5.2.2	(c)	<b>Confirm</b> that when the distance between moving parts of adjacent lifts are less than 0.5m there full height screen	e is a			
5.2.5.2.3	(f)	In the case of partially enclosed wells, are screening requirements in accordance?				
	(g)	For partially enclosed wells, is there protection from weather and machinery outside the well?				
	3.5	5 Landing Door Assemblies				
5.3.1.4	(a)	<b>Confirm</b> the running clearance between the door panels and between panels and frames, lintels or sills is 3 - 6mm	FPC			
5.3.6.1	(b)	Confirm that no recess or projection on the face of sliding door panels exceeds 3mm				
	(c)	Are the landing doors correctly fire rated for the installation? Fire Rating				
	(d)	Tags showing fire rating are attached to the landing door assembly				
5.3.5.3.7	(e)	Confirm that glass panels used are correctly marked				
5.3.6.2.2.1	(f)	For glass doors, bottom are not transparent				
5.3.5.3.2	(g)	Confirm retainers are on door panels in case primary guide shoes/rollers fail				
	3.7	7 Lighting				
5.2.1.4	ls tl	the lighting level 50 lux or more throughout the hoistway?			Lu	IX
5.2.2.2	ls tl	the lighting level 50 lux or more on the landing outside each entrance?				
	3.8	3 Car and Counterweight Guide Rails				
	(a)	Is the guide rail size in accordance with layout dimensions				
	(b)	Confirm the pitch of the rail fixings is in accordance with the layout drawing	Car: Cwt:			
	4.0	0 The Car, Inspection Operation & Entrance Clearances				
5.4.2.1.3	(a)	The Car  Weight of the empty car (Estimated or weighed) Weight of any additional finishes (Estimated or weighed) Total weight of car (Estimated or weighed)  Confirm that the rated load and passengers is correct for the car size	l if weighed			
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		The Car (cont.) Confirm that any glass panels used are correctly marked as safety glass		<b>Y</b>	N	N/A
5.4.2.3.2	(d)	Confirm the maximum load indicated in the car (i.e. Number of persons load in kg and identification no.) complies				
5.12.3	(e)	<b>Confirm</b> the emergency alarm device allows a two-way communication with a rescue service Visual indication that telephone is operating	e in			
5.4.10.4	(g)	Confirm that the emergency lighting in the car is 5 lx and last at least 1h				
5.12.1.2.1	(h)	Confirm the car overload device operates				
5.4.5	(i)	Confirm the apron ( car toe guard) conforms				
5.4.6	(j)	Any emergency doors or trap doors, where fitted, will comply				
5.12.1.8.3.3	(k)	AV Alarm is under the car and operates when door locks are bridged				
	4.2	Car Top				
5.12.1.5.1	(a)	Confirm the car top stopping device operates correctly				
5.12.1.5.2	(b)	<b>Confirm</b> the car top station is constructed and operates correctly including the neutralising of other controls				
5.2.1.6	(c)	Does the alarm device operate in accordance with Appendix C, (EN.81-28, Remote Alarms)?				
5.4.7.4	(d)	Balustrade on the car roof securely fitted and of correct height	FPC			
5.2.6.4.3.1	(e) Blocking device, or clearance keeper, and stopping plate installed when provided					
	4.3 Car Entrance Clearances					
5.3.1.4	(a) Confirm the running clearance between the door panels, and between panels and columns, lintels or sills is 3 - 6mm					
5.3.6.1	(b)	Confirm that no recess or projection on the face of the sliding door panels exceeds 3mm				
5.3.4.1	(c)	Confirm the horizontal distance beteeen the sill of the car to the sill of the landing doors 35m	nm or less			
5.2.5.3	(d)	Confirm the distance between the inner surface of the well and the sill or framework of the ca or door 0.15m or less (or 0.2m if over a height not exceeding 0.5m)	ır entrance			
5.3.9.2	(e)	If the answer to (d) is NO, is the car door mechanically locked when away from the unlocking	zone?			
5.3.9.2	(f)	If the answer to (d) and € is NO, is full fluching installed?				
	4.4	Landing and Car Door Tests				
5.3.6.2.2.1c	Not	e: Where appropriate, the following tests should be carried out with the car and landing doors	coupled.			
	(a)	Confirm the maximum force to prevent closing is 150N or less				
5.3.5.3.3	(b)	With a mechanical force of 150N in direction of opning, confirm that any gap does NOT exceed 30mm for side opening doors or 45mm for centre opening doors				
5.3.6.2.2.1	(c)	Confirm the kinetic energy is 10J (710N) or less		<b>✓</b>		
	(d)	Confirm all the protective devices reverse the doors				
	(e)	<b>Confirm</b> that if the doors are able to close with the reversal device inoperative is the kinetic ethan or equal to 4J (450N)	energy less	<b>✓</b>		

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EN81-20	4.4	Landing and Car Door Tests (cont.)	Υ	N	N/A	
5.3.8.1	(f)	<b>Confirm</b> the unlocking zone is 0.2m or less above and below landing levels (or 0.35 in the case of simultaneously operated car and landing doors				
5.3.9.3.4	(g)	Confirm the automatic self closing mechanism functions correctly				
5.3.9.1.1	(h)	<b>Confirm</b> each set of landing doors is capable of being unlocked from the outside with an emergency key				
5.3.15.1	(i)	<b>Confirm</b> the car doors can be manually opened from the landing within the unlocking zone with a force of less than 300N with the power off <b>(NB)</b> .	<b>✓</b>			
5.3.10.1	(I)	<b>Confirm</b> the contacts at each landing entrance been proved so that when broken they stop and prevent movement of the car outside the unlocking zone				
5.3.9.4	(m)	Confirm the mechanical locks at each landing entrance have been proved for positive locking				
5.3.13.2	(n)	<b>Confirm</b> that if fitted the car door lock functions correctly or Door Deterrent Device functions correctly		F	PC	
5.12.1.8/9	(o)	<b>Confirm</b> the car door gate contacts been proved so that when opened there is no car movement outside the unlocking zone				
5.12.1.8/9						
	5.0 Suspension, Compension, Braking & Traction					
	(a) <b>Confirm</b> the correct CSB's are supplied and the test certificate is in order and available (A copy is sufficient as original will be held by the maker)					
	(b)	Confirm the CSB terminations are correctly made and secure				
	` ,	Confirm the CSB loads are equally distributed				
	5.2	Compensation				
	(a)	Is compensation required?  Specified Actual				
	(b)	If the answer to (a) is Yes, confirm it is of the correct type  Compensation is clear of floor and guides and and comp. sheave has travel clearance				
	5.3	Traction/Braking Checks	1			
	(a)	Confirm the percent overbalance is correct Specified Actual				
6.3.3	(b)	Confirm the car stops under emergency conditions:				
		(1) With the car empty, when travelling upwards at rated speed in the upper part of the well				
		(2) With 125% rated load, when travelling downwards at rated speed in the lower part of the well				
	(c)	Confirm the empty car cannot be raised when the counterweight rests on it's compressed buffer				
		Note: This test may be performed with the car empty at any speed between zero and inspection speed.				
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EN81-20	6.0	Safety Contacts and Circuits		Υ	N	N/A
5.12.2	(a)	Confirm the final limit switches are correctly positioned and operate satisfactorily	FPC			
5.12.1.11.1	(b)	<b>Confirm</b> the inspection controls and stop switches on the car top have been positioned correct and operate correctly.	tly			
5.11.1.4	(c)	<b>Confirm</b> the safety chain has been tested to ensure that an earth fault at the most remote safe contact will cause disconnection without delay	ety			
5.12.1.4	(e)	Confirm the levelling and relevelling circuits operate.				
5.3.8	(g)	<b>Confirm</b> all electrical safety devices on the landing door panels stop the lift linked, operate correctly				
5.12.1.3	(j)	Confirm the electrical slowdown system operates correctly including any non-electrical device	. FPC			
5.11.2	(I)	<b>Confirm</b> all other switches/contacts in safety devices have been proved so that when operated they stop and prevent movement of the car.	d			
5.2.1.5.1a	(m)	Confirm the stop switches in the pit are correctly positioned and operate to stop the lift				
5.2.1.5.1	(n)	Confirm the inspection control operates only after pit access switch is activated				
5.2.6.4.4.1g	(o)	Confirm the inspection control in pit is positioned near refuge space and are operating				
5.12.1.5.2.2	(p)	Confirm the lift does not return to normal after inspection until pit access switch is deactivated	I			
	7.0	Car and Counterweight Safety Gear and Overspeed Protection				
	7.1	Car Safety Gear Specifie	ed & Actual			
6.3.4	(a)	Confirm the correct safety gear is supplied Progressive:				
	(b)	Confirm the safety gear has been CE marked				
	ar do	the following tests should be conducted with the car descending. The test load is to be uniformly distributed in the car, and the safety operated switch, overspeed switch, buffer switch(es) or any other electrical devices (except car and landing por contacts) that may cause the lift to stop are to be temporarily shorted out. During the tests the brake is to be kept op Gen2 the brake is allowed to drop) with the machine continuing to run until the ropes slip or become slack.	•			
	(c)	Confirm the safety gear stops the car in the downward direction when operated by the government and engaging at rated speed or lower with 125% load uniformly distributed for progressive safety Stopping Distance (mm):				
	(d)	Confirm the floor of the lift is horizontal or sloping less than 5% from the horizontal				
	(e) (f)	Following the test confirm that no deterioration that may affect the normal use of the lift Confirm lift arms have adequate clearance in upright slots for further travel	FPC			
	7.2	Car Governor				
	(a)		Actual			
	(b)	Confirm the governor has been CE marked and labelled speed matched requirement				
	(c)	Confirm the electrical safety device stops the lift				
	(d)	Confirm the governor, if adjustable, is sealed				
	(e)	Confirm the correct rope type is supplied				
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EN81-20	7.3 Cou			Υ	N	N/A
			10.4.			
6.3.5	(a) Con	<b>Specific Ifirm</b> the correct safety gear is supplied Progressive:	ed & Actual			
	(b) Con	firm the safety gear has been CE marked				
	overspe to stop a	owing tests should be done with counterweight descending. There is to be no load in the car, and the safety operal switch, buffer switch(es) or any other electrical devices (except car and landing door contacts) that may cause are to be temporarily shorted out. During the tests the brake is to be kept open, (Gen2 the brake is allowed to drop machine continuing to run until the ropes slip or become slack.	the lift			
		<b>Ifirm</b> the safety gear stops the counterweight when operated and engaging at rated speed with the car empty for progressive safety gear  Stoppng Distance(mm):	d or lower			
	` '	owing the test confirm that no deterioration which could adversely affect the normal use of as occurred	f the			
	7.4 Cou	nterweight Governor Specified	Actual	•		
	(a) Con	firm the correct governor is installed				
	(b) Con	firm the governor has been CE marked				
	(c) Con	<b>Ifirm</b> the governor, if adjustable, is sealed				
	(d) Con	firm the correct rope type is supplied				
	Not	irm the governors pull through force complies e: All testing has to be done in accordance with EN81.1 ANNEX D	FPC			
	7.5 Asc	ending Car Protection				
6.3.11	(a) Con	firm the correct ascending car overspeed is provided				
	(b) Con	<b>Ifirm</b> the protective device has been CE marked				
	(c) Con	<b>Ifirm</b> the device functions correctly with the car ascending at not less than 115% of rated	speed			
		asurement of the Electrical System asure the mains current or VF drive current at rated load	Actual			
	<b>(b)</b> Is th	e mains current/drive current consistent with figures specified on the layout			Ш	
	(c) Con	ifirm the measured balanced load down speeds are in accordance with the standard				
5.12.1.1.4	Leve	elling Accuracy				
	(d) Con	Ifirm the maximum levelling deviation is within tolerance  Specified  +/- 5mm	Actual			

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EN81-20			gency Operations		Υ	N	N/A
5.12.1.3	IM		ing of Normal Slowdown ) Test Normal Terminal Slowdown				
		(	, , , , , , , , , , , , , , , , , , , ,				
		(b)	,				
			Confirm means provided to ensure car or counterweight speed is limited to rated speed of buffer.				
			opeca of ballor.				
5.9.2.2.2.7		Manua	al Brake lifting operates correctly				
0.012.12.12.11		Mariae	a Brane many operates concerny				
OTIS		Emora	ency Power Operation				
0113	(a)	_	pperate correctly with EPO signals to NOT run all lifts, then rescue and run				
	(-,						
	(b)	Auto	omatic Rescue Device (Battery rescue to next floor) operates correcty				
	10.	0 Elec	ctrical Wiring Examination				
5.10.9		Confir	m that all metal work is properly earthed back to the lift main earthed isolator.				
	10.3	3 Electi	rical Wiring				
5.10.6	(a)	Confir	m the electrical conductors, including travelling cables conform				
	(b)	Confir	m the wiring installed (for EMC compliance) is in accordance with the manufacturers in	structions	П		
	(~)		mane mining inclained (ie. 2.ine eemplanee) ie in decendance man ale manaractaleie inc	THE COLOT IS	Ш		
	11.0	0 Doc	umentation				
7.3	(a)	Con	firm there is a register		П		
1.3	(a)	COII	iiiii tilete is a registel		Ш		
7.2	(b)	Con	firm there is an instruction manual				
OTIS	12	0 Mis	cellaneous Tests				
0110		0 11115					
	(a)	Con	firm RBI ( Belt Inspection Device) is operating				
	(b)	Con	firm the MPP (Motor Pages Proking) energted correctly (CoN2 Comfort come duties on	ds A			
	(b)	Con	firm the MBB (Motor Regen Braking) operates correctly (GeN2 Comfort some duties on	iy)	Ш		Ш
	(c)		ning In Test Period				
			has performed for 1000 runs with doors operational ( as many floors as possible)eg Sab	bat mode		Ш	
		eg S	Shabbat or Wild Car mode running overnight				

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12.0 C	onfirmation of compliance with the Standard BS EN 81-20	Υ	N	N/A		
(a) Are	(a) Are all the items associated with the lift installation, for which the lift manufacturer is not responsible, in a suitable state for the installation to be put into service?					
	TE: Some of the items requiring attention may not be part part of the contract for the lift but part ne installation and the responsibility of others.					
If NO pr	ovide details:					
(c) Has	every question been answered?					
If NO, s	rate reasons					
Signa	ture Name Position					
Comp	any Date					
( <b>d)</b> Aud	lited By:					
Signa	ture Name Position					
Сотр	any Date					

Service penetrations in fire isolated shafts  E&I panel penetrations  Security Cable entry points fire stopped  Shaft Ventilation openings have fire damper. Note: is only required if some building next door is very close. Builders responsibility  a Landing Doors fire rated  b Lift call panels penetrations to shaft <35000mm2 or backed with fire resisting construction  E3.2 Stretcher Facility in Lifts, reqd if building effective height >12m, 2000 deep from rear wall to car door  E3.3 Warning against the use of lifts in fire on or near hall buttons  E3.4 Emergency Lift , effective height >25m or a patient care facility, must be in a fire resistant shaft  E3.5 Access to fire stairs from liftwell landings. If secured, security must disable on fire alarm  E3.6 Accessibility provisions for passenger lifts  Handrail to AS1735.12. Min 600 long and withing 500mm of call buttons Floor dimensions >=12m travel 1100w x 14000d Ploor opening size 900mm wide min Non-contag passenger protection Car and buttons to AS1735.12 Height of 900-1250mm Raised Tactlies and Braille Buttons further than 400mm from a corner on side wall, 300mm on front return Landing Buttons  Height of 900-1100mm Buttons within 200mm vertically or tactiles and Braille Further than 500mm from an internal corner Lighting in lift car 100k on floor Automatic audible information - in car floor name announcements Audible indication car has arrived at a landing (eg car gong)	Otis					Contract No.				
Service penetrations in fire isolated shafts			TEST AND INSPECTION REPORT	31N12073						
E&I panel penetrations  Security Cable entry points fire stopped  Shaft Ventilation openings have fire damper. Note: is only required if some building next door is very close. Builders responsibility  a Landing Doors fire rated  b Lift call panels penetrations to shaft <35000mm2 or backed with fire resisting construction  E3.2 Stretcher Facility in Lifts, reqd if building effective height >12m, 2000 deep from rear wall to car door  E3.3 Warning against the use of lifts in fire on or near hall buttons  E3.4 Emergency Lift, effective height >25m or a patient cere facility, must be in a fire resistant shaft  C3.5 Access to fire stairs from liftwell landings. If secured, security must disable on fire alarm  C3.6 Accessibility provisions for passenger lifts  Handrail to AS1735.12. Min 600 long and withing 500mm of call buttons Floor dimensions <<12m travel Floor dimensions <<212m travel 1100wx 1400d Floor dimensions <<32m travel 200mm wide min Non-contact passenger protection Car and buttons to AS1735.12 Height of 900-1250mm Raised Tactiles and Braille Buttons further than 400mm from a corner on side wall, 300mm on front return Landing Buttons Height of 900-1250mm Buttons further than 400mm from a corner on side wall, 300mm on front return Landing Buttons Height of 900-100mm wortically or tactiles and Braille Further than 500mm from an internal corner Lighting in lift car 100kx on floor Automatic audible information - in car floor name announcements Audible indication car has arrived at a landing (eg car gong)  Fire Service controls, for buildings with effective height >12m Fire service Recall operational Fire service control from car operationa		<b>.</b>			Υ	N	N/A			
Shaft Ventilation openings have fire damper. Note: is only required if some building next door is very close. Builders responsibility  a Landing Doors fire rated  b Lift call panels penetrations to shaft <35000mm2 or backed with fire resisting construction  B3.2 Stretcher Facility in Lifts, reqd if building effective height >12m, 2000 deep from rear wall to car door  B3.3 Warning against the use of lifts in fire on or near hall buttons  B3.4 Emergency Lift , effective height >25m or a patient care facility, must be in a fire resistant shaft  B3.5 Access to fire stairs from liftwell landings. If secured, security must disable on fire alarm  B3.6 Accessibility provisions for passenger lifts  Handrall to AS1735.12. Min 600 long and withing 500mm of call buttons Floor dimensions >12m travel Floor dimensions >12m travel Floor dimensions >12m travel Floor dimensions >12m travel Non-contact passenger protection Car and buttons to AS1735.12 Height of 900-1250mm Raised Tactiles and Braille Buttons further than 400mm from a comer on side wall, 300mm on front return Landing Buttons Height of 900-1100mm Buttons within 200mm vertically or tactiles and Braille Further than 500mm from an internal corner Lighting int car 100tx on floor Automatic audible information - in car floor name announcements Audible indication car has arrived at a landing (eg car gong)  B3.7 Fire Service controls, for buildings with effective height >12m Fire service control from car operational  Confirm lift car/shaft provided with mechanical ventilation where exposed to direct sunlight. 2 Hour alternative power source for ventilation  Confirm lift car/shaft provided with mechanical ventilation where exposed to direct sunlight. 2 Hour alternative power source for ventilation  Lift shaft temperature is reasonable and unlikely to exceed 40 deg C  5 Lift foyers with security to unlock on fire alarm /power failure. CCTV and intercom	C3.9		•							
Note: is only required if some building next door is very close. Builders responsibility  a Landing Doors fire rated  b Lift call panels penetrations to shaft <35000mm2 or backed with fire resisting construction		Sec	curity Cable entry points fire stopped							
b Lift call panels penetrations to shaft <35000mm2 or backed with fire resisting construction		Sha		lity						
Stretcher Facility in Lifts, reqd if building effective height >12m, 2000 deep from rear wall to car door      E3.3   Warning against the use of lifts in fire on or near hall buttons      E3.4   Emergency Lift , effective height >25m or a patient care facilty, must be in a fire resistant shaft      E3.5   Access to fire stairs from liftwell landings. If secured, security must disable on fire alarm      E3.6   Accessibility provisions for passenger lifts      Handrail to AS1735.12. Min 600 long and withing 500mm of call buttons      Floor dimensions >=12m travel   1100w x 1400d      Floor dimensions >=12m travel   1400w x 1400d      Non-contact passenger protection      Car and buttons to AS1735.12      Height of 900-1250mm      Raised Tactiles and Braille      Buttons further than 400mm from a corner on side wall, 300mm on front return      Landing Buttons      Height of 900-1100mm      Buttons within 200mm vertically or tactiles and Braille      Further than 500mm from an internal corner      Lighting in lift car 1900 to no floor      Audible indication car has arrived at a landing (eg car gong)      E3.7   Fire Service controls, for buildings with effective height >12m      Fire service controls from car operational      Fire service control from car operational      Fire service control from car operational      Fire service control from car operational      Spec E3.1   2   Car ventilation where lift exposed to solar radiation      Confirm lift car/shaft provided with mechanical ventilation where exposed to direct sunlight.      2   Hour alternative power source for ventilation      3   Lift car emergency lighting, 20 lux for 2 hours      4   Lift shaft temperature is reasonable and unlikely to exceed 40 deg C	C3.10	a Lan	ding Doors fire rated							
E3.3 Warning against the use of lifts in fire on or near hall buttons  E3.4 Emergency Lift , effective height >25m or a patient care facility, must be in a fire resistant shaft  E3.5 Access to fire stairs from liftwell landings. If secured, security must disable on fire alarm  E3.6 Accessibility provisions for passenger lifts  Handrail to AS1735.12. Min 600 long and withing 500mm of call buttons Floor dimensions <=12m travel 1100w x 1400d Floor dimensions >12m travel 1100w x 1400d Floor dimensions >12m travel 1400w x 1600d Door opening size 900mm wide min Car and buttons to AS1735.12 Height of 900-1250mm Raised Tacilites and Braille Buttons further than 400mm from a corner on side wall, 300mm on front return Landing Buttons Height of 900-1100mm Buttons within 200mm vertically or tactiles and Braille Further than 500mm from an internal corner Lighting in lift car 100k on floor Automatic audible information - in car floor name announcements Audible indication car has arrived at a landing (eg car gong)  E3.7 Fire Service controls, for buildings with effective height >12m Fire service Recall operational Fire service control from car operational Fire service control from car operational Fire service control from car operational  Spec E3.1 2 Car ventilation where lift exposed to solar radiation Confirm lift car/shaft provided with mechanical ventilation where exposed to direct sunlight. 2 Hour alternative power source for ventilation Confirm lift car/shaft provided with mechanical ventilation where exposed to direct sunlight. 2 Hour alternative power source for ventilation Confirm lift car/shaft provided with mechanical ventilation where exposed to direct sunlight. 2 Hour alternative power source for ventilation Confirm lift car/shaft provided with mechanical ventilation where exposed to direct sunlight. 2 Hour alternative power source for ventilation Confirm lift car/shaft provided with mechanical ventilation where exposed to direct sunlight. 2 Lift car emergency lighting, 20 lux for 2 hours		b Lift	call panels penetrations to shaft <35000mm2 or backed with fire resisting construction							
E3.4 Emergency Lift , effective height >25m or a patient care facilty, must be in a fire resistant shaft	E3.2	Stretche	er Facility in Lifts, reqd if building effective height >12m, 2000 deep from rear wall to ca	r door						
E3.5 Access to fire stairs from liftwell landings. If secured, security must disable on fire alarm    Gamma	E3.3	Warning	g against the use of lifts in fire on or near hall buttons							
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4 Lift shaft temperature is reasonable and unlikely to exceed 40 deg C  5 Lift foyers with security to unlock on fire alarm /power failure. CCTV and intercom	Spec E3.1	С	onfirm lift car/shaft provided with mechanical ventilation where exposed to direct sunlig	ght.						
5 Lift foyers with security to unlock on fire alarm /power failure. CCTV and intercom		3 Lift ca	r emergency lighting, 20 lux for 2 hours							
		4 Lift sh	aft temperature is reasonable and unlikely to exceed 40 deg C							
6 Emergency egress doors every 12.2m in single enclosed lift shafts		5 Lift for	yers with security to unlock on fire alarm /power failure. CCTV and intercom							
		6 Emer	gency egress doors every 12.2m in single enclosed lift shafts							

### **ELECTRICAL INSPECTION AND TEST**

1.1.51	10/1			<b>.</b>		0.41	140070
Job Name:	Wel	lington Hea	alth	Contrac	t Number:	311	N12073
Unit Number:	4						
Total Number of Lights			Total Numb	er of Soc	ket Outlets		
	SHAF	T - I iaht &	Power Circ	wit			-
			JALLY INSP		3Y		DATE
Visual Inspection:	0	toon vio	JALLI IIIOI	LOILD	<u> </u>		DAIL
•							
	VAL		TESTE	D BY	LICEN	SE NO	DATE
Earth Continuity:		Ω					
	VAL	UF	TESTE	D BY	LICEN	SE NO	DATE
Insulation Resistance:	77.2	MΩ	12012				27112
	L		<u> </u>				
		TESTE	D BY		LICEN	SE NO	DATE
Polarity Testing:							
		TESTE	IN BV		LICEN	SE NO	DATE
Correct Circuit Connection		IESIE	ום עב		LICEN	SE NO	DAIL
RCD			_		_		
T (B 1	VAL	_	TESTE	D BY	LICEN	SE No.	DATE
Test Results		mA Sec.					
Integral Test Button		Jec.					
	4						
		MOTOR	ROOM				
Visual Inspection:	CIF	RCUIT VISI	JALLY INSP	ECTED E	BY .		DATE
Mains C/B to Controller							
Mains Controller - Drive - machine							
Motor room lighting & power							
Earth Continuity:	VAL		TESTE	D BY	LICEN	SE NO	DATE
Mains C/B to Controller		Ω					
Mains Controller - Drive - machine		Ω					
		Ω					
Motor room lighting & power		52					
Insulation Resistance:	VAL		TESTE	D BY	LICEN	SE NO	DATE
Mains C/B to Controller		ΜΩ					
Mains Controller - Drive - machine		${ m M}\Omega$					
Motor room lighting & power		MΩ					
Motor room lighting a power	I	14122					
Polarity Testing:		TESTE	D BY		LICEN	SE NO	DATE
Mains C/B to Controller							
Mains Controller - Drive - machine							
Motor room lighting & power							
Correct Circuit Connection		TESTE	ED BY		LICEN	SE NO	DATE
Mains C/B to Controller		12012			LIGHT	10	
Mains Controller - Drive - machine							
Motor room lighting & power					1		

#### MOTOR ROOM Continued.

RCD	VALUE	TESTED BY	LICENSE No.	DATE
Test Results	mA	IESIEDBI	LICENSE NO.	DATE
Tool Rocalio	Sec.			
Integral Test Button	•			
	LIFT C	<u>AR -</u>		
CAR FRAME				
	VALUE	TESTED BY	LICENSE No.	DATE
Earth Continuity:	Ω			
CAR SHELL				
CAN SHELL	VALUE	TESTED BY	LICENSE No.	DATE
Earth Continuity:	Ω	12012221		27112
			I	
<b>LIGHT &amp; POWER CIRCUIT</b>				
Г	CIRCUI	T VISUALLY INSPEC	TED BY	DATE
Visual Inspection:	Oillooi	. FICOALLI IIIOI LO		DAIL
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	VALUE	TESTED BY	LICENSE No.	DATE
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г	VALUE	TESTED BY	LICENSE No.	DATE
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ilisulation Resistance.	1712.2			
Γ	TESTE	D BY	LICENCE No.	DATE
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_	<b>TEAT</b>	'D D\'	LIGENGEN	DATE
Correct Circuit Connection	TESTE	D RA	LICENCE No.	DATE
Correct off Curt Confidential			<u> </u>	
RCD				
	VALUE	TESTED BY	LICENSE No.	DATE
Test Results	mA			
<u> </u>	Sec.			
Integral Test Button				
	<b>Door Lock Circuit</b>	including Car Gate S	<u>Switch</u>	
_				
	VALUE	TESTED BY	LICENSE No.	DATE
Insulation Resistance:	MΩ			
	6.	ofoty Circuit		
Safety Circuit				
	VALUE	TESTED BY	LICENSE No.	DATE
Insulation Resistance:	ΜΩ			
-	•		•	
Out and and (ONIX)	Talahalad Follo			I
Queensland (ONLY) T	echnical Endorsee - Na Licence Nu			
	Signature	IIIINGI		
	Date			

#### OTIS ELEVATOR COMPANY PTY LTD A.C.N. 002873 065

## COMMISSIONING TEST CHECK SHEET CLAUSES FROM: AS1735 PART 12 - 1999 APPENDIX (VARIATION TO BS EN-81 FOR APPLICATION IN AUSTRALIA)

INSPECTION DATE		LIFT NUMBER:	4	
CONTRACT No:	31N12073			
BUILDING NAME:	Wellington Health			
BUILDING ADDRESS	12-22 Wellington Road	t		
INSPECTED BY:				

Y - COMPLIES N - DOESN'T COMPLY NA - NOT APPLICABLE

CLAUSE	DETAILS	COMPLIES
0	Minimum internal car size at 1m above floor, 1100mm	
2	wide x 1400mm deep < 12m travel	
0	Minimum internal car size at 1m above floor, 1400mm	
2	wide x 1600mm deep > 12m travel	
4.1	Doors power, automatic and horizontal sliding	
4.2	Multi beam door protection provided between 50mm &	
4.2	1550mm	
5.2	Protruding edges round off, hand rails return to wall	
5.2	Door width not obstructed or reduced by hand rail	
5.3.1	600mm long hand rail, within 500mm of furthest button	
5.5.1	on min one COP	
5.3.2(a)	Handrail min 270 deg round top	
5.3.2(b)	Obstructions below handrail min 15mm gap	
5.3.2(d)	Top of hand rail to be between 850mm and 950mm	
5.5.2(u)	from floor	
5.3.2(e)	Handrail securely fixed, no obstruction for a hand along	
J.J.Z(G)	grip	
5.3.2(f)	Clearance above hand rail not less than 100mm	
5.3.2(g)	Clearance between wall & handrail not less than 50mm	
6	Min leveling accuracy of +/- 12mm under all conditions	
7.1	Up & down hall buttons within 200mm or braille tactile	
7.1	provided	
7.2.1	If car is less than 1400mm wide, need a COP left & right	
1.2.1	side of car	
7.2.2(a)	Communication button to be in the right hand lowest row	
7 .Z.Z(u)	position	
7.2.2(b)	Communication button shall be identified by the phone	
1.2.2(0)	symbol (Otis deem Alarm bell per EN81-70 equivalent)	

CLAUSE	DETAILS	COMPLIES
7.2.3	Key pads are to have the same button layout as a	
1.2.3	telephone	
7.3.1	Centre of hall buttons shall be between 900mm &	
7.3.1	1200mm above floor	
7.3.1	Centre of car buttons shall be between 700mm &	
7.5.1	1250mm above floor	
7.3.2	COP to be outside a radius of 300mm of other objects	
7.5.2	adjacent door	
7.3.3	Hall buttons to be located outside a radius of 500mm of	
7.5.5	other objects	
7.3.4	Security readers shall be mounted as per allowed in	
7.0.4	7.3.1	
7.4.9	Buttons identified by tactile character & braille equivalent	
71110		
8.1	For more than 2 floors, car position to be orally	
	announced	
	For more than 2 stops, each landing to have visible &	
8.5	audible indication of lift arrival (eg car mounted chime	
	and opening door is sufficient)	
	Additional Requirements above NCC if FULL AS1735.	.12 specified in contra
( )	Indication of travel direction	
	Indicators to be a minimum of 1800mm above floor	
8.5(a) iii	Direction indicator to remain on while doors are open	
4.3	Hall landing open time 3 sec advanced gong 3 sec from	
4.0	arrival	
	Audible Indication To Be:-	
8.5(b) I	One gong for up, two gongs for down	
8.5(b) ii	Verbal in English	
	Compass Touch Screen and voice for Accessibility	
8.6.1	Car position indicator, minimum of 1800mm from floor	
8.6.2	Car buttons to have a tone or operation to be detected	
0.0.2	by touch	
9.2	Pressing phone button to bring on a lamp in/adjacent	
9.2	button	
10.2	Lighting in lift car to be minimum of 100 lux over whole	
10.2	floor	
10.3	Lighting of car operating panel to be 50 lux over whole	
10.5	control area	

ITEM	DESCRIPTION	COMPLETED

#### Notice to Head Contractor and/or Owner



Subject: Lift Certified as "Safe to Operate" at

Wellington Health

Date Certification Issued: / / Issued by

31N12073

of Otis Elevator Company Ltd.

Gen2

27D

Electric

Automatic

Traction

Date:

1)	This certification is issued subject to a qualified person, provided by others, certifying the satisfactory condition. Implicit in this building certification is the acknowledgement	at the building housing the subject li	ft is in a
2)	) It is recommended that lift should not be placed into service until the building has been certified as outlined in items 1) and 5) of this document. This includes the rectification of items as noted by the lift certifie		5) of this
3) The Head Contractor and/or the Owner may be required to register this lift as an item of plant. To assist with this registration profollowing information is provided and should be included in the plant registration form.		n process the	
	Design Approval/ Verification Number:	LEM6-256664/21	
	Plant Registration Number		
	Name of Statutory Authority with which the design is registered:	SafeWork NSW	
	Maximum Rated Capacity in Kg:	2000	
	Maximum Speed in m/s:	2.5	
	Number of Persons:	27	
	The lift type is : "passenger" or "passenger/goods" or bed/passenger"		
	Manufacturer of plant:	Otis Elevator Company Pty Ltd	
	Contract serial number:	31N12073	
	Lift No.	4	

4) Certification

Model name:

Model Number:

Type of power is:

Car control type is:

Drive/Suspension type is:

- 4a) Delete if not applicable. The lift is safe to operate as a builder's lift subject to items 1) and 5) and provided that the lift is under the control of a lift driver.
- 4b) Delete if not applicable. The lift is safe to operate subject to items 1) and 5). Implicit in this building certification is the need to ensure compliance with all Codes, Legislation and Instructions by relevant Authorities.
- 5) It is recommended that lift should not be placed into service until the following items are rectified. This list is not intended to cover all building related items because our competence in certification only relates to lift

items Noted

6) Signature of Certifier: