Part 1 – Lift and Escalator Installation Summary (* Please delete, if not applicable) Page	of						
Name of Building / Unit / Common Area *							
Address of Building / Unit / Common Area *							
Date of Declaration by Registered Energy Assessor in Form EE2 / EE3 / EE4 *							
Documents submitted (Please tick where applicable.)	No. of sheets						
Form EE-LE Part 1 : Lift and Escalator Installation Summary							
Form EE-LE Part 2 : Traction Lift and Hydraulic Lift Worksheet							
Form EE-LE Part 3 : Escalator Worksheet							
Form EE-LE Part 4 : Passenger Conveyor Worksheet							
Form EE-LE Part 5 : Total Power Factor for Three-Phase Three-Wire Power Supply System							
Form EE-LE Part 6 : Declaration							
Location layout drawings showing the locations of the lifts, escalators & passenger conveyors							
A drawing list indicating the title and reference number of each drawing							
Manufacturer-issued or contractor*-issued technical documents to indicate the technical data of lifts/escalators/ passenger conveyors in this Form (*Refers to the contractor, who is a registered lift contractor / registered escalator contractor (under Lifts and Escalators Ordinance, Cap. 618) engaged to carry out the lift and escalator installation so indicated in this Form)							
A technical document list to summarise all technical document titles and the corresponding model numbers/descriptions of the lifts/escalators/passenger conveyors							
Others (Please give details)							
 Remarks (applicable to Parts 1 to 4) :- Ref. Nos. of all lifts/escalators/passenger conveyors in this Form should be consistent with the Ref. Nos. show in drawings. Location layout drawings should : clearly indicate all newly installed/retrofitted lift, escalator & passenger conveyor installation governed BEC, with reference nos. tallying with reference nos. shown in Parts 2 to 4 of this Form; and indicate the lift, escalator & passenger conveyor installation not governed by the BEC, if shown on t drawing, with an appropriate symbol, marking or colouring different from the ones governed. All documents including this Form are for demonstration of compliance with the BEC for the lift, escalator to the lift, escalator. Should space provided in this Form be inadequate, please provide details with clear cross-referencing separate sheets and attach to this Form. Descriptions and numbering of each installation, system, equipment, building block, floor, room, space etc. each of Forms EE-LG, EE-AC, EE-EL, EE-LE & EE-PB, should such appear in more than one type of Form, show be identical. 							
6) Any incomplete or erroneous information in this Form may render this Form being regarded invalid.							

(Please refer to Section 8, Code of Practice for Energy Efficiency of Building Services Installation 2021 Edition)

	Part 2 – Traction Lift and Hydraulic Lift Worksheet (Please tick where applicable)									Pageof	
Any installat	Any installation of traction/hydraulic lift involved ? (* Please delete, if not applicable)										
□ Yes. insta	allation of tractio	on* / hvdraulic* lift i	nvolved (If	ves. please	provide information in 1)	to 9) below)					
		olved (if no, please p		,	•						
		· · · · ·									
1) <u>Electrica</u>	al Power (BEG	Clause 8.4)	(Please pro	wide inform	ation in table below)						
				(All at ra	ted load and at rated spee	ed in the upward direction)				
Lift Ref. No. $ \begin{array}{c c c c c c c c c c c c c c c c c c c $											
		,			(Please insert additional	row if necessary)	()				
		🗆 Yes 🗖 No				,					
		□ Yes □ No									
		🗆 Yes 🗖 No									
		🗆 Yes 🛛 No									
		🗆 Yes 🛛 No									
		🗆 Yes 🛛 No									
□ Yes □ No 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2											
□ Yes □ No											
		🗆 Yes 🗆 No									
		🗆 Yes 🗖 No									
		□ Yes □ No									
		□ Yes □ No									
(1) BEC (2) BEC	Table 8.4.1b is	applicable to each	of the insta	allation invo	5	g works of an existing build	ding.				

Form EE-LE

Form EE-LE

Please refer to Section 8	Code of Practice for Energy	Efficiency of Building	Services Installation 2021 Edition)

Part 2 – Traction Lift and Hydraulic Lift Worksheet Pageof (Please tick where applicable) Pageof
2) Lift Decoration Load (BEC Clause 8.5.2)
For lifts listed in 1) (please tick where applicable)
the decoration load in the lift car does not exceed the corresponding maximum allowable value given in BEC
Table 8.5.2
Installation details shown on dwg.no.
Decoration load calculation shown on document ref. noattached
no installation of decoration load is involved
3) Lift Ventilation and Air-conditioning (BEC Clause 8.5.4)
(Please tick where applicable)
(a) The ventilation in each lift listed in 1), except for observation lift, after lift idling for 2 minutes can be automatically shut off until reactivation by passenger call (BEC Clause 8.5.4.1) ?
□ Yes
(b) Any lifts listed in 1) provided with air-conditioning inside the lift car ?
Yes, and the air-conditioning in each lift, except for observation lift, after lift idling for 10 minutes can be automatically shut off until reactivation by passenger call and resume operation no earlier than 5 minutes after the shut-off (BEC Clause 8.5.4.2)
No lift provided with air-conditioning
(c) Lift car ventilation fan consumes at or below 0.7 W per L/s air flow at design condition (BEC Clause 8.5.4.3) ?
□ Yes
No ventilation fan involved
4) Lift Regenerative Braking (BEC Clause 8.5.5)
For lifts listed in 1), any installation of lift is with rated speed of 2m/s or above and with rated load at 900 kg or above ? (Please tick where applicable)
□ Yes, and regenerative braking provided.
 Schematic wiring diagram / drawing noattached Photo ref. noattached
Photo ref. no attached Document ref. no showing the details of the device attached
D No
5) Lift Car Automatic Lighting Control (BEC Clause 8.5.6)
For each lift listed in 1), lift car lighting power can be automatically reduced to 50% or less after idling for 10 minutes ?
Yes, Type of lighting control:
□ No. Reason:

(Please refer to Section 8, Code of Practice for Energy Efficiency of Building Services Installation 2021 Edition)

Part 2 – Traction Lift and Hydraulic Lift Worksheet Pageof (Please tick where applicable)	
6) <u>Lift Parking Mode</u> (BEC Clause 8.5.3)	
For lifts listed in 1), any installation of lift bank involved?	
(Please tick where applicable)	
Yes, and for each lift bank at least one lift car would operate under a parking mode during low traffic period when the traffic demand is low, and not respond to passenger calls until it returns to the normal operation mode (BEC Clause 8.5.3.1 & 8.5.3.2)	Ł
No installation of lift bank involved	
7) <u>Total Power Factor</u> (BEC Clause 8.5.1)	
For each lift listed in 1), in respect of its total power factor of the motor drive (at the isolator connecting the lift to the building's electrical supply circuit) at rated load rated speed (traveling upward) (BEC Clause 8.5.1.1) (please tick where applicable)	t
the total power factor is not less than 0.85 (BEC Clause 8.5.1.1 and 8.5.1.4 with calculation in accordance with BEC Appendix B)	
□ a power factor correction device is installed at the motor control centre of the motor drive to provide the compensation such that the overall total power factor is not less than 0.85 (BEC Clause 8.5.1.3)	
Schematic wiring diagram / drawing no	
Photo ref. no attached	
Document ref. no showing the details of the device, the T& records and calculation of total power factor attached	šС
8) Total Harmonic Distortion (BEC Clause 8.6)	
For each lift listed in 1), in respect of its total harmonic distortion of current (at the isolator connecting the lift t the building's electrical supply circuit) produced by the motor drive at rated load rated speed (travelling upwar	
(please tick where applicable)	
the total harmonic distortion is limited to the maximum allowable value specified in BEC Table 8.6.1 (BEC Clause 8.6.1)	
a harmonic correction device is installed at the motor control centre of the motor drive such that the overall total harmonic distortion is reduced to a level limited to the maximum allowable value specified in BEC Table 8.6.1 (BEC Clause 8.6.3)	õ
Schematic wiring diagram / drawing no	
Photo ref. no attached	
Document ref. no showing the details of the device and th T&C records attached	e

(Please refer to Section 8, Code of Practice for Energy Efficiency of Building Services Installation 2021 Edition)

Part 2 – Traction Lift and Hydraulic Lift Worksheet	Pageof
(Please tick where applicable)	
9) Metering and Monitoring Facilities (BEC Clause 8.7)	
(please tick where applicable)	
For each lift listed in 1), for its electrical supply circuit for the motor driv (all phase to phase and phase to neutral), currents (three-phrase currer harmonic distortion, energy consumption (kWh), power (kW) and maxi	nts and neutral), total power factor, total
Metering devices are provided as specified in BEC Clause 8.7.1	
Schematic wiring diagram / drawing no.	attached
D Photo ref. noatta	ached
Document ref. no	showing the details of the device attached
The metering devices for the total harmonic distortion measurement 31 st harmonic order (BEC Clause 8.7.2)	t are capable of measuring at least up to
The measurement parameters are trended every 15 minutes and inc data. The monitoring facilities are capable of maintaining all data co Clause 8.7.3)	

Form EE-LE

Part 3 –	Page of (Please tick where applicable)								
Any installation of escalator (excluding passenger conveyor) involved? Yes (If yes, please provide information in 1) to 5) below)									
🗖 No ir	stallation of e	scalator inv	olved (if n	io, please	proceed direct t	o Part 4)			
1) <u>Electri</u>	<u>cal Power</u> (B	EC Clause	8.4)	(Please p	orovide informati	ion in table below	<i>י</i>)		
	(All under no-load condition at rated speed)								
Escalator Ref. No.	Pico (m) Lividth chood								
			(Please ir	nsert addi	tional row if nec	essary)			
 2) <u>Total Power Factor</u> (BEC Clause 8.5.1) For each escalator listed in 1), in respect of its total power factor of the motor drive (at the isolator connecting the escalator to the building's electrical supply circuit or the circuit protective device serving the escalator) at brake load rated speed (steps or pallets moving upward for escalator with a rise) (please tick where applicable) the total power factor is not less than 0.85 (BEC Clause 8.5.1.2 and 8.5.1.4 with calculation in accordance with BEC Appendix B) a power factor correction device is installed at the motor control centre of the motor drive to provide the compensation such that the overall total power factor is not less than 0.85 (BEC Clause 8.5.1.3) Schematic wiring diagram / drawing no attached Photo ref. no attached Document ref. no showing the details of the device, the T&C records and calculation of total power factor attached 									
 3) <u>Automatic Speed Reduction</u> (BEC Clause 8.5.7) For each escalator listed in 1), provision for activation of speed reduction mode is made? Yes No. Reason: 									

Technical Data of Lift & Escalator Installation for Building Energy Code (BEC) 2021 (Please refer to Section 8, Code of Practice for Energy Efficiency of Building Services Installation 2021 Edition)

Part 3 – Escalator Worksheet (Please tick where applicable)	Pageof
4) Total Harmonic Distortion (BEC Clause 8.6)	
For each escalator listed in 1), in respect of its total harmonic dist escalator to the building's electrical supply circuit or the circuit pr by the motor drive at no load rated speed (please tick where app	otective device serving the escalator) produced licable)
The total harmonic distortion is limited to the maximum allows Clause 8.6.2)	able value specified in BEC Table 8.6.2 (BEC
A harmonic correction device is installed at the motor control of total harmonic distortion is reduced to a level limited to the m 8.6.2 (BEC Clause 8.6.3)	
Schematic wiring diagram / drawing no	attached
D Photo ref. no	attached
Document ref. no records attached	showing the details of the device and T&C
5) <u>Metering and Monitoring Facilities</u> (BEC Clause 8.7) For each escalator listed in 1), for its electrical supply circuit for the voltages (all phase to phase and phase to neutral), currents (three factor, total harmonic distortion, energy consumption (kWh), powe (please tick where applicable)	e-phrase currents and neutral), total power
Metering devices are provided as specified in BEC Clause 8.7.1	l
Schematic wiring diagram / drawing no	attached
D Photo ref. no	attached
Document ref. no	showing the details of the device attached
The metering devices for the total harmonic distortion measure 31 st harmonic order (BEC Clause 8.7.2)	ement are capable of measuring at least up to
The measurement parameters are trended every 15 minutes and data. The monitoring facilities are capable of maintaining all d (BEC Clause 8.7.3)	

Any installation of passenger conveyor involved? Yes (If yes, please provide information in 1) to 4) below) No installation of passenger conveyor involved 1) Electrical Power (BEC Clause 8.4) (Please provide information in table below) (All under no-load condition at rated speed) Total Power (BEC Clause 8.4) (Please provide information in table below) Passenger (Non-public Service) Nominal Service (Non-public Service) Public Service) Nominal (mm) Nominal (mm) Rated (Mm) Max allowed electrical power (KW) (BEC Clause 8.4.4) Power Factor (BEC Clause 8.4.4) Vertice (Please insert additional row if necessary) (Please insert additional row if necessary) (Please insert additional row if necessary) (Inter Service) (Inter Service) (Inter Service) (Inter Service) (Inter Service) (Inter Service)<	Part 4 – I	Page	_of						
Image: No installation of passenger conveyor involved 1) Electrical Power (BEC Clause 8.4) (Please provide information in table below) (All under no-load condition at rated speed) Passenger conveyor Type Non-public Service / Public Service /	Any installation of passenger conveyor involved?								
1) Electrical Power (BEC Clause 8.4) (Please provide information in table below) (All under no-load condition at rated speed) Passenger conveyor Ref. No. Type (Non-public Service) Nominal length (m) Nominal width (m) Rated speed (m/s) Rated speed (m/s) Max allowed electrical power (kW) (BEC Clause Power B 8.4.4) Power Factor Total Harmonic Distortion (THD %) (Please insert additional row if necessary)									

Form EE-LE

(Please refer to Section 8, Code of Practice for Energy Efficiency of Building Services Installation 2021 Edition)

Part 4 – Passenger Conveyor Worksheet (Please tick where applicable)	Pageof
 3) <u>Total Harmonic Distortion</u> (BEC Clause 8.6) For each passenger conveyor listed in 1), in respect of its total harm connecting the passenger conveyor to the building's electrical supp serving the passenger conveyor) produced by the motor drive at no applicable) the total harmonic distortion is limited to the maximum allowable a harmonic correction device is installed at the motor control cert total harmonic distortion is reduced to a level limited to the max 8.6.2 (BEC Clause 8.6.3) Schematic wiring diagram / drawing no Photo ref. no Document ref. no 	ly circuit or the circuit protective device load rated speed (please tick where e value specified in BEC Table 8.6.2 htre of the motor drive such that the overall imum allowable value specified in BEC Table attached attached
4) <u>Metering and Monitoring Facilities</u> (BEC Clause 8.7) For each passenger conveyor listed in 1), for its electrical supply circ measurement of voltages (all phase to phase and phase to neutral), total power factor, total harmonic distortion, energy consumption ((kVA)	currents (three-phrase currents and neutral),
(please tick where applicable)	
Metering devices are provided as specified in BEC Clause 8.7.1	
Schematic wiring diagram / drawing no.	attached
D Photo ref. no	attached
Document ref. no	_ showing the details of the device attached
The metering devices for the total harmonic distortion measurem 31 st harmonic order (BEC Clause 8.7.2)	nent are capable of measuring at least up to
The measurement parameters are trended every 15 minutes and data. The monitoring facilities are capable of maintaining all data (BEC Clause 8.7.3)	

Part 5 – To Po			Facto bly Sys		Thre	e-Pha	ase Tl	nree-	Wire		Pagec	of
1) Calculation of Total Power Factor (Based on BEC Appendix B)												
Lift / Escalator /		/leasure Voltage			oothesi e Volta			leasure Current		Calculated Apparent	Measured Active	Calculated Total
Passenger Conveyor Ref. No	V ₁₂	V ₂₃	V_{31}	V_1	V_2	V_3	I ₁	l ₂	l ₃	Power (kVA)	Power (kW) ⁽²⁾	Power Factor
(Please insert additional row if necessary)												
Remarks applie (1) The lir (2) The ac	ne volta	ages an	d line c	urrents	shall b	e obta	ined by	measu	rement	: on site. wattmeter m	ethod.	

(Please refer to Section 8, Code of Practice for Energy Efficiency of Building Services Installation 2021 Edition)

Part 6 – Declaration								
I, Registered Energy Assessor, hereby declare that all the information contained in this form and in the substantiation materials attached have been thoroughly examined and well prepared to demonstrate the compliance with the Building Energy Code. I understand that any missing information, inconsistency and incorrectness on the submitted materials / information may result in jeopardizing the approval process and having the entire submission been rejected.								
Name of the REA:	Registration No.:							
Signature of the REA	Date:							
		DD / MM / YYYY						