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	Proposed Cheesecake Shop at Unit 6/7 71 Grande Vue Road- Hill Park	Date: 13/06/2024 DESIGNER: Prakash Dsouza Scale: 1:50 @ A3 Landscape		

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SCHEDULE OF LIGHT FITTINGS AND CALCULATIONS SUMMARY

Luminaire Schedule				
Symbol	Label	Qty	LLF	Description
EX	EX	8	1.000	NEW FAMCO F9970 RAPID LED EMERGENCY EXIT LIGHT RUN MAINTAINED BATTERY INVERTER PACK
EX1	EX1	1	1.000	NEW THORN VOYAGER(APAC) 96294584 IP65 EXIT 24M E2M WEATHER PROOF EXIT LIGHT EMERGENCY BATTERY INVERTER PACK
E1	E1	2	1.000	NEW FAMCO F9966 3W SURFACE IP65 BULKHEAD EMERGENCY WITH BATTERY INVERTER PACK
E2	E2	1	1.000	NEW F9975/WP-GS SURFACE RAPID IP65 WEATHER PROOF D40 EMERGENCY BATTERY INVERTER PACK
E	E	4	1.000	NEW FAMCO F9993/LI D50 LED RECESS ROUND EMERGENCY DISC 250 LUMENS LITHIUM BATTERY INVERTER PACK

Calculation Summary					
Label	CalcType	Units	Min	Avg	Min/Avg
BACK OF HOUSE - BAKERY	Illuminance	Lux	0.63	5.50	0.11
KITCHEN AREA	Illuminance	Lux	4.54	7.89	0.58
REAR EXTERIOR PATHWAY	Illuminance	Lux	5.72	10.77	0.53
RECEPTION AREA	Illuminance	Lux	4.04	7.30	0.55

NOTE:

All Exit Lights to run maintained and remain internally illuminated at all times and mounted within 600mm above the door and within 2700mm above floor level in open paths

Refer to the attached data sheets of Light fittings for technical information

Duration test to be conducted for a min duration time of 60 minutes which is in excess of initial duration testing of 1.33 times 30 minutes for compliance procedures

Note:

Emergency lighting calculations done for a min of 0.2 lux for all escape routes exceeding the initial 20 meters of escape paths and 1 lux to change in levels, Stairs, ramps and Exit ways,

All Exit lighting to meet F8 of NZBC and Egress lighting to comply with F6 of NZBC. Emergency Lighting system designed & installed as per AS 2293: Part 1 - 2005 standards

All Emergency light fittings to be wired with a test switch/ timer along with a contactor at the distribution board and tested and commissioned as per AS 2293 part 1 2005 along with / circuit sensing relays sensing the general lighting circuits

Inspection, Maintenance and reporting procedures shall be performed With AS/NZS 2293 part 2- 1995

On Failure of normal power supply to any final sub circuit feeding the general lighting to any of the areas shall cause each emergency luminaire and Exit light to be turned ON automatically with the help of circuit sensing relay. Please refer to the wiring diagram in AS 2293 part 1: 2005

All Maintained Emergency light fittings other than EXIT LIGHTS will have an additional power supply, switched active to run the light fitting as general light so that the maintained Emergency light fittings can be turned off when the building is not in use

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