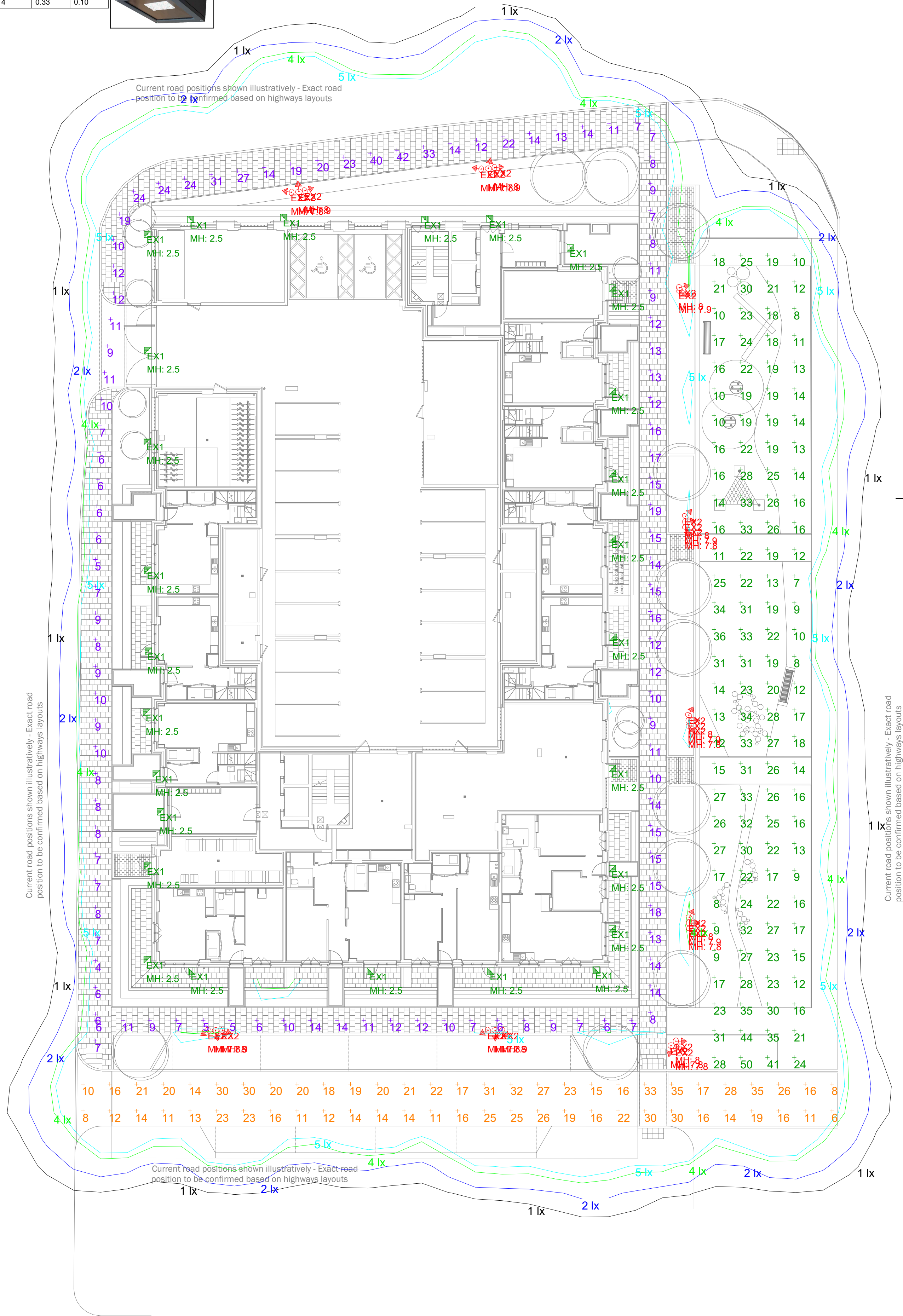


Luminaire Schedule								
Symbol	Qty	Label	Arrangement	Description	Lum. Lumens	LLF		
	27	EX1	SINGLE	7.5w LED 3000k Quarto 2.0 250mA bulkhead with street optic building mounted at 2.5m.	797	0.900		
	26	EX2	SINGLE	16w LED 3000k 525mA OSLO with SP40 distribution column mounted at 8m, 7.9m & 7.8m.	1140	0.900		
Calculation Summary								
Label	CalcType	Units	Avg	Max	Min	Min/Avg	Min/Max	
Bottom Roadway	illuminance	Lux	19.43	35	6	0.31	0.17	
Park Area	illuminance	Lux	21.03	50	7	0.33	0.14	
Perimeter Pathways	illuminance	Lux	12.19	42	4	0.33	0.10	



Dimensions are not to be scaled from this drawing



Kingfisher Lighting

Part of the Luceco PLC group of companies **LUCECO**



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BREEAM New Construction 2018 (UK)

47186 Hayes Town Centre

Colour Temperature (K)	Qty	Range	Light Source	Luminaire Lumens (lm)	Watts (W)	lm/W	LOR	Total Lumens	ULOR	Upward lumens	CRI	** ART Hour Per Day	CO ₂ (tonnes)	Kwh/Year
3000	29	Quarto 2.0	7.5w LED ST	695	8	92.67	100%	20155	0.0%	0	>70	12	0.20	952.65
3000	23	Oslo	16w LED	1140	16	71.25	100%	26220	0.0%	0	>70	12	0.34	1611.84
3000	17	Gothic 110	18w LED	2410	18	135.00	100%	41110	0.0%	0	>70	12	0.28	1340.28
3000	4	Quadrio Comfort	45w LED Type VS	2450	45	54.44	100%	9800	36.2%	3548	>70	12	0.17	798.40

GN01 - 2011

Table 1 Compliance

Environmental Zone E3

Sky Glow	Target	Achieved	Status
	5.00%	3.64%	Pass

Source Intensity (candelas)	Pre Curfew	Post Curfew	Note
	10,000	1,000	Pass
Note - we have not been able to calculate this as no housing is shown on the drawing			
Note - we have not been able to calculate this as no housing is shown on the drawing			

Light Trespass into Windows (lux)	Pre Curfew	Post Curfew	Note
	10	2	Pass
Note - we have not been able to calculate this as no housing is shown on the drawing			
Note - we have not been able to calculate this as no housing is shown on the drawing			

Building Luminance (cd/m²)	10	Pass
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Total Installation Lumens	97485.00
Total Upward Light	3.64%
Total CO ₂ Per Year (tonnes)	0.99
Total Electric Consumption (kwh)	1.07
Total Electric Consumption Per Year (kwh)	4693.17
Average Luminaire Lumens Per Circuit Watt	95.36

Compliance Status	Pass
Pre-Curfew Reduction Of Night Time Light Pollution	Pass
Pre-Curfew Energy Efficient External Lighting	Pass
Pre-Curfew Internal And External Lighting Levels	Pass

Note - HEAD1 in this report only applies to exterior lighting
** ART = (Average Run Time)
Date 28/09/2022

A1

Hayes Town Centre

For our LED lighting designs a 0.9mf has been used. If this differs from the maintenance period for this project then you must advise us accordingly

Scale
1:200 at A1

Date
28 September 2022

Lighting Designer : Robert Dagley

Project Number
D47186C - MAIN BUILDING

Drawing No.
D47186/RD/C

A lighting applications design service is provided by us in good faith and without charge, relating to Kingfisher products only. As such, whilst every endeavor is made for accuracy from information provided by yourselves, the final responsibility for the suitability of the design lies with the client. The company cannot, therefore, accept any liability or consequential loss incurred.