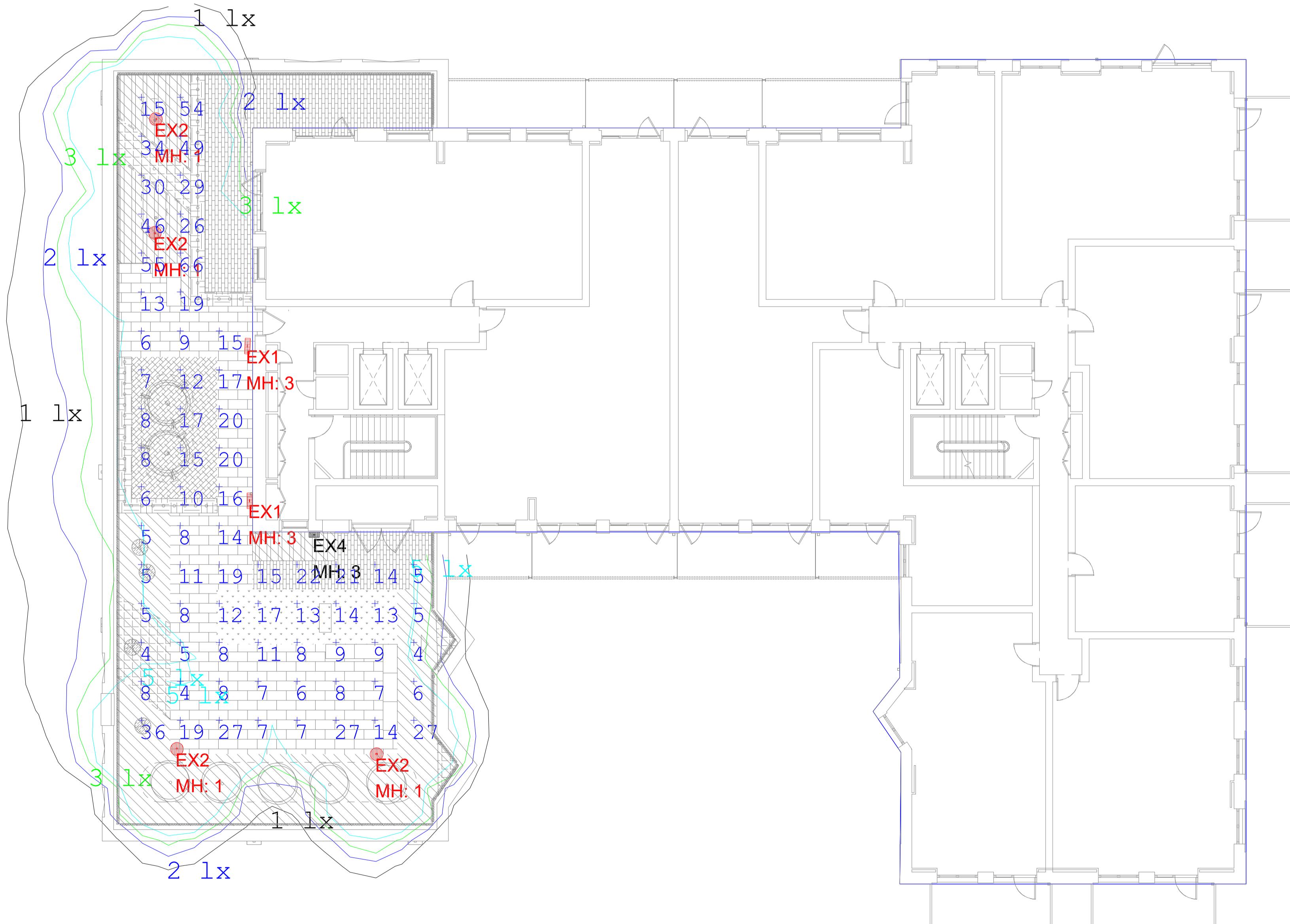


Luminaire Schedule

| Symbol | Qty | Label | Arrangement | Description | Lum. Lumens | LLF |
|---|-----|-------|-------------|--|-------------|------|
|  | 2 | EX1 | SINGLE | 6w LED 4000k Semita Urban bulkhead with street optic building mounted at 3m. | 774 | 0.90 |
|  | 4 | EX2 | SINGLE | 19w LED 4000K Soul Bollard 1m Radial optic dimmed 50% | 1550 | 0.45 |
|  | 1 | EX4 | SINGLE | 6w LED 4000k Semita Urban bulkhead with flood optic mounted 3m | 812 | 0.90 |

Calculation Summary

| Label | CalcType | Units | Avg | Max | Min | Uniformity | Diversity |
|---------|-------------|-------|-------|-----|-----|------------|-----------|
| Terrace | Illuminance | Lux | 16.06 | 66 | 4 | 0.25 | 0.06 |



Kingfisher Lighting

Part of the Luceco PLC group of companies

BREEAM New Construction 2018 (UK)

| D48852 | Vinyl Square | Part of the LUCECO , group of companies | | | | | | | | | | | | |
|------------------------|--------------|--|----------------|-----------------------|-----------|--------|------|--------------|------|---------------|-----|---------------------|--------------------------|---------|
| | | CO ² Calculation For A Year | | | | | | | | | | | | |
| 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) | Kw/Hour |
| 4000 | 5 | Semita Urban | 6w LED ST | 783 | 6 | 130.50 | 100% | 3915 | 0.0% | 0 | >70 | 12 | 0.03 | 131.40 |
| 4000 | 1 | Semita Urban | 6w LED FL | 812 | 6 | 135.33 | 100% | 812 | 0.0% | 0 | >70 | 12 | 0.01 | 26.28 |
| 4000 | 2 | Semita Urban | 6w LED OC | 802 | 6 | 133.67 | 100% | 1604 | 0.0% | 0 | >70 | 12 | 0.01 | 52.56 |
| 4000 | 4 | Soul 180 1m | 19w LED Radial | 775 | 10 | 77.50 | 100% | 3100 | 0.0% | 0 | >70 | 12 | 0.04 | 175.20 |
| 4000 | 10 | Soul 180 | 27w LED Type V | 1050 | 14 | 75.00 | 100% | 10500 | 1.8% | 189 | >70 | 12 | 0.13 | 613.20 |

| | | | | |
|--|---|------------|--------------------|--|
| GN01 - 2011 | Total Installation Lumens | 19931.00 | Total Upward Light | 0.95% |
| Table 1 Compliance | Total CO2 Per Year (Tonnes) | 0.21 | | |
| Environmental Zone | Total Electric Consumption (Kw) | 0.23 | | |
| Sky Glow | Total Electric Consumption Per Year (Kwh) | 998.64 | | |
| Source Intensity (Candelas) | Average Luminaire Lumens Per Circuit Watt | 87.42 | | |
| Pre Curfew | 10,000 | | Pass | Note - we have not been able to calculate this as no housing is shown on the drawing |
| Post Curfew | 1,000 | | Pass | Note - we have not been able to calculate this as no housing is shown on the drawing |
| Light Tresspass Into Windows (Lux) | | | | |
| Pre Curfew | 10 | | Pass | Note - we have not been able to calculate this as no housing is shown on the drawing |
| Post Curfew | 2 | | Pass | Note - we have not been able to calculate this as no housing is shown on the drawing |
| Building Luminance (cd/m ²) | 10 | | Pass | |
| Compliance Status | | | | |
| Pol 04 | Reduction Of Night Time Light Pollution | Pass | | |
| Ene 03 | Energy Efficient External Lighting | Pass | | |
| Hea 01 | Internal And External Lighting Levels | Fail | | |
| Note - HEA01 in this report only applies to exterior lighting ** ART = (Average Run Time) | | | | |
| Date | | 29/03/2023 | | |

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Virtual Seminar Exchange

Scale Project Number
D48852C



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

| | |
|--------------------|--|
| ale 1:125at A1 | Project Number D48852C TERRACE 9 |
| ce 9 March 2023 | Drawing No. D48852/PA/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.