

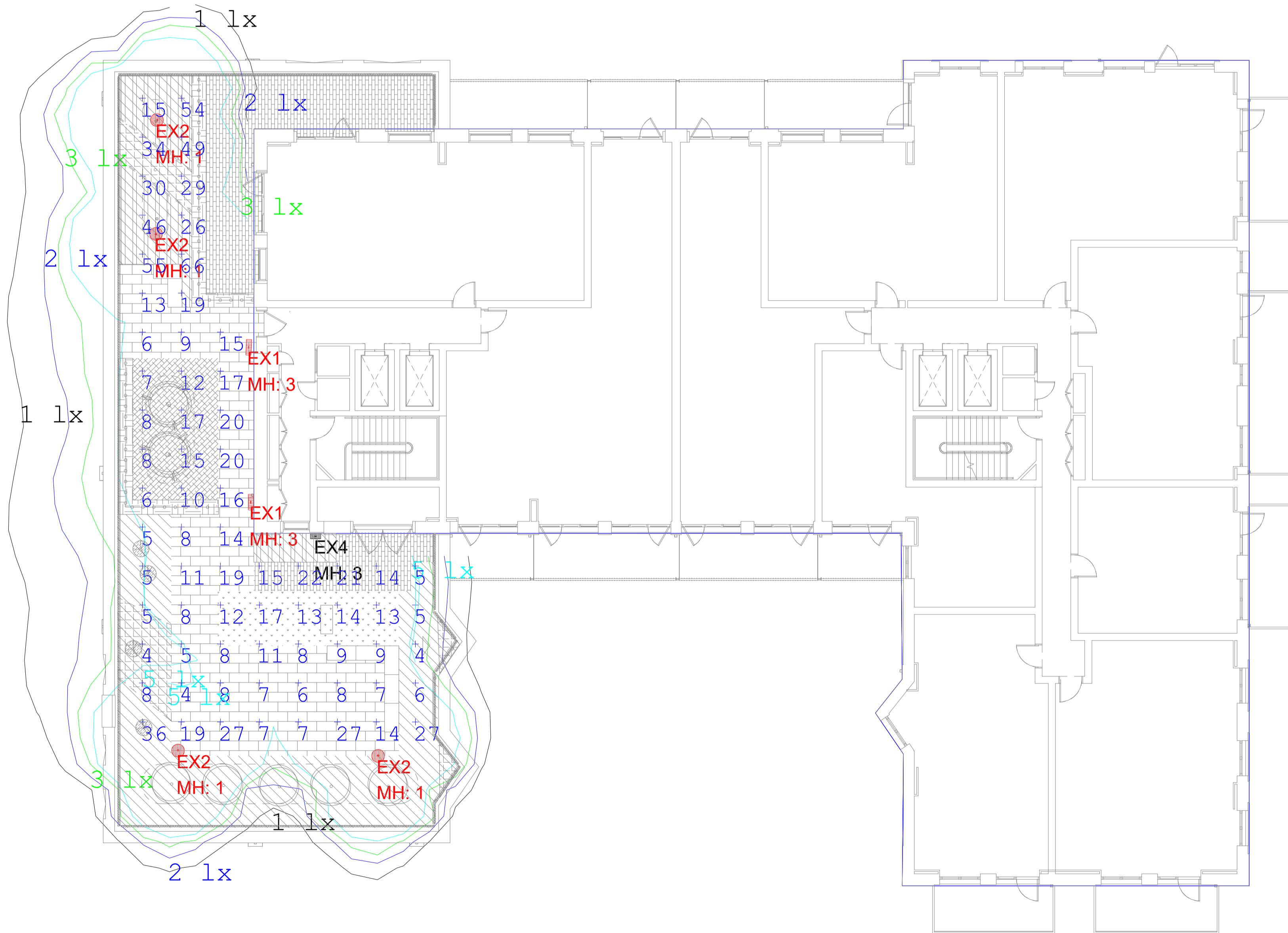


Luminaire Schedule

| 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 | 0.900 |
| | 4 | EX2 | SINGLE | 19w LED 4000K Soul Bollard 1m Radial optic dimmed 50% | 1550 | 0.450 |
| | 1 | EX4 | SINGLE | 6w LED 4000k Semita Urban bulkhead with flood optic mounted 3m | 812 | 0.900 |

Calculation Summary

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



BREEAM New Construction 2018 (UK)



| Colour Temperature (K) | Qty | Range | Light Source | Luminaire Lumens (lm) | Watts (W) | Lm/W | LOR | Total Lumens | UOR | Upward Lumens | CU | ** AET Hour Per Day | CU* (Tonnes) | Kwh/Year |
|------------------------|-----|--------------|----------------|-----------------------|-----------|--------|------|--------------|------|---------------|-----|---------------------|--------------|----------|
| 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 DC | 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 | 3050 | 14 | 75.00 | 100% | 10500 | 1.8% | 189 | >70 | 12 | 0.13 | 613.20 |

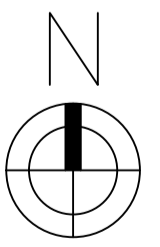
| | | | | |
|-------------------------------------|---------------------------|----------|--------------------|-------|
| ENV1 - 2011 | Total Installation Lumens | 19931.00 | Total Upward Light | 0.95% |
| Table 1 Compliance | | | | |
| Environmental Zone | E3 | | | |
| Sky Glow | Target | Achieved | Status | |
| | 5.00% | 0.95% | Pass | |
| Source Intensity (Candela) | Pass | | | |
| Pre-Curfew | 10,000 | | Pass | |
| Post-Curfew | 1,000 | | Pass | |
| Light Transgress Into Windows (Lux) | Pass | | | |
| Pre-Curfew | 10 | | Pass | |
| Post-Curfew | 2 | | Pass | |
| Building Luminance (cd/m²) | 10 | | Pass | |

| | |
|---|--------|
| Total CO2 Per Year (Tonnes) | 0.21 |
| Total Electric Consumption (kwh) | 0.23 |
| Total Electric Consumption Per Year (kwh) | 998.64 |
| Average Luminaire Lumens Per Circuit Watt | 87.42 |

| | |
|---|------|
| Compliance Status | Pass |
| Part 04 - Reduction of Night Time Light Pollution | Pass |
| Part 03 - Energy Efficient External Lighting | Pass |
| Part 01 - Internal And External Lighting Levels | Fail |

Note - HEA01 in this report only applies to exterior lighting
 ** AET = (Average Run Time)
 Date: 29/03/2023

A1



| | | | |
|--|--|-------------------------------|--|
| Vinyl Square Terrace 9 | | Scale 1:425at A1 | Project Number D48852C TERRACE 9 |
| | | Date 29 March 2023 | Drawing No. D48852/PA/C |
| 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. | | Lighting Designer: Paul Askew | |
| 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. | | | |