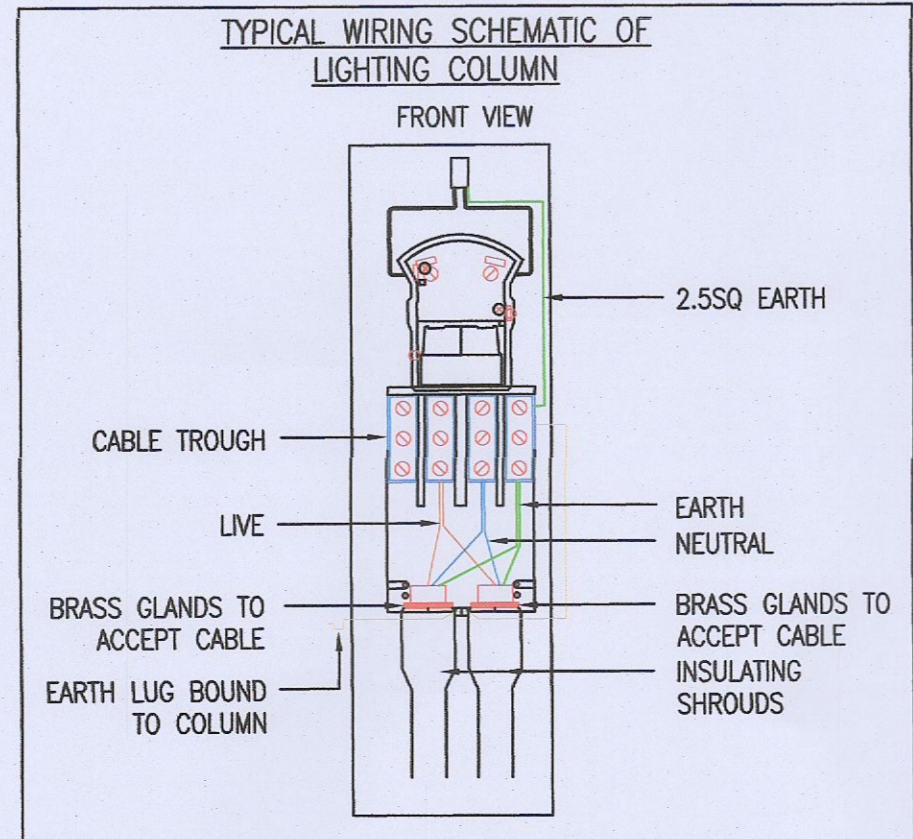


QNT	TYPE	DESCRIPTION
9		PROPOSED 6M MOUNTING HEIGHT COLUMN COMPLETE WITH POST TOP MOUNTED THORN ISARO PRO S 12L35 EWR 740 CLO CL1 2.07KLM'S. LUMINAIRE'S TO BE INSTALLED AT 0° TILT.
7		PROPOSED 6M MOUNTING HEIGHT COLUMN COMPLETE WITH POST TOP MOUNTED THORN ISARO PRO L 48L70 EWR 740 CLO CL1 14.95KLM'S. LUMINAIRE'S TO BE INSTALLED AT 0° TILT.
15		PROPOSED 6M MOUNTING HEIGHT COLUMN COMPLETE WITH POST TOP MOUNTED THORN ISARO PRO S 24L70 ENR 740 CLO CL1 7.62KLM'S. LUMINAIRE'S TO BE INSTALLED AT 0° TILT.
2		PROPOSED 6M MOUNTING HEIGHT COLUMN COMPLETE WITH POST TOP MOUNTED THORN ISARO PRO S 12L50 EWR 740 CLO CL1 2.82KLM'S. LUMINAIRE'S TO BE INSTALLED AT 0° TILT.
10		PROPOSED 3M WALL MOUNTED THORN PIAZZA II LED 2700-840 HF ANT 2.91KLM'S
14		PROPOSED 6M MOUNTING HEIGHT COLUMN COMPLETE WITH POST TOP MOUNTED THORN ISARO PRO S 36L70 EWR 740 CLO CL1 11.20KLM'S. LUMINAIRE'S TO BE INSTALLED AT 0° TILT.
3		MICRO-PILLAR

- NOTES:**
- REFER TO ARCHITECTURAL DRAWINGS FOR SITEMWORKS INFORMATION.
 - ALL AREAS SHALL BE CAT SCAN/GPR SURVEYED PRIOR TO COMMENCEMENT OF THE WORKS.
 - ALL DRAWINGS SHALL BE READ IN CONJUNCTION WITH M&E SERVICES DRAWINGS AND DETAIL DRAWINGS.
 - ALL DUCTS TO BE TWIN WALL DUCTING SIZE AS INDICATED.
 - BUILDING CONTRACTOR TO INSTALL 110/ LV RED UNDERGROUND uPVC DUCTING FOR FINAL CONNECTION LOOPED INTO AND OUT FROM ALL SITE LIGHT FITTINGS, FROM EACH MANHOLE (ACCESS CHAMBER) LOCATION.
 - ALL SITE LIGHTING CIRCUITS SHALL BE WIRED USING NYCY SUITABLY SIZED AS PER SPEC
 - ALL DUCTS TO BE PROVIDED WITH 12mm NYLON DRAW ROPES.
 - LED LUMINAIRES SHALL BE PROGRAMMABLE ON SITE AND SHALL INITIALLY BE DIMMED BETWEEN MID-NIGHT AND 6AM TO 75%.
 - ENSURE CONTRACTOR TO Liaise WITH BUILDING CONTRACTOR TO ENSURE DUCTS FOR EXTERNAL LIGHTING ARE IN PLACE.
 - "AS BUILT" UNDERGROUND SITE SERVICES DRAWINGS TO BE PROVIDED BY CONTRACTOR TO CLIENT IN PAPER AND ELECTRONIC COPY AT PRACTICAL COMPLETION.
 - NUMERICAL POINTS INDICATES LUX LEVELS AT EACH POINT
 - ASSUMED ENVIRONMENTAL ZONE - E3/E4 AND 6 YEARLY CLEANING REGIME LEAD TO AN MF VALUE OF 0.87.
 - THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ITS ASSOCIATED REPORT
 - ALL LUMINAIRES ARE 2700K TO MITIGATE THE EFFECTS THE LIGHTING DESIGN HAS ON LOCAL BAT HABITATS.
 - DESIGNED TO LIGHTING LEVELS
100 LUX MIN FOR RAMPS AND STAIRS
5 LUX AV, 1 MIN AND 0.2500 FOR FOOTPATHS
20 LUX MIN FOR DISABLED PARKING
10 LUX AV, 2 MIN AND 0.4000 FOR ROADS AND PARKING BAYS
20 LUX MIN FOR TFC (FRONT TRANSITIONAL CAR FACILITY)
20 LUX MIN FOR BUILDING ENTRANCE

<p>Grid 1 - Footpath 1 Results - Horizontal Illuminance (lux) Eav= 26.34 Emin= 2.51 Emax= 157.49 Emin/Emax= 0.02 Emin/Eav= 0.10 Emax/Eav= 5.98</p>	<p>Grid 11 - Disabled Bays 1 Results - Horizontal Illuminance (lux) Eav= 44.39 Emin= 23.07 Emax= 68.30 Emin/Emax= 0.34 Emin/Eav= 0.52 Emax/Eav= 1.54</p>	<p>Grid 9 - Ramp 2 Results - Horizontal Illuminance (lux) Eav= 136.51 Emin= 115.74 Emax= 154.05 Emin/Emax= 0.75 Emin/Eav= 0.85 Emax/Eav= 1.13</p>
<p>Grid 2 - Stairs 1 Results - Horizontal Illuminance (lux) Eav= 118.93 Emin= 109.88 Emax= 125.88 Emin/Emax= 0.87 Emin/Eav= 0.92 Emax/Eav= 1.06</p>	<p>Grid 12 - Disabled Bays 2 Results - Horizontal Illuminance (lux) Eav= 41.48 Emin= 23.91 Emax= 55.30 Emin/Emax= 0.43 Emin/Eav= 0.58 Emax/Eav= 1.33</p>	<p>Grid 10 - Footpath 4 Results - Horizontal Illuminance (lux) Eav= 57.46 Emin= 19.92 Emax= 139.88 Emin/Emax= 0.14 Emin/Eav= 0.35 Emax/Eav= 2.43</p>
<p>Grid 3 - Ramp 1 Results - Horizontal Illuminance (lux) Eav= 143.25 Emin= 119.11 Emax= 163.98 Emin/Emax= 0.73 Emin/Eav= 0.83 Emax/Eav= 1.14</p>	<p>Grid 13 - Stairs 3 Results - Horizontal Illuminance (lux) Eav= 129.90 Emin= 121.13 Emax= 141.01 Emin/Emax= 0.86 Emin/Eav= 0.93 Emax/Eav= 1.09</p>	<p>Grid 1 - Footpath 5 Results - Horizontal Illuminance (lux) Eav= 65.38 Emin= 26.25 Emax= 120.46 Emin/Emax= 0.22 Emin/Eav= 0.40 Emax/Eav= 1.84</p>
<p>Grid 4 - Road 1 Results - Horizontal Illuminance (lux) Eav= 29.97 Emin= 11.94 Emax= 111.93 Emin/Emax= 0.11 Emin/Eav= 0.40 Emax/Eav= 3.73</p>	<p>Grid 14 - Ramp 3 Results - Horizontal Illuminance (lux) Eav= 129.79 Emin= 109.19 Emax= 150.17 Emin/Emax= 0.73 Emin/Eav= 0.84 Emax/Eav= 1.16</p>	<p>Grid 2 - Entrance 2 Results - Horizontal Illuminance (lux) Eav= 48.00 Emin= 22.73 Emax= 68.85 Emin/Emax= 0.33 Emin/Eav= 0.47 Emax/Eav= 1.43</p>
<p>Grid 5 - Road 2 Results - Horizontal Illuminance (lux) Eav= 38.33 Emin= 15.54 Emax= 129.73 Emin/Emax= 0.12 Emin/Eav= 0.41 Emax/Eav= 3.38</p>	<p>Grid 15 - TCF Results - Horizontal Illuminance (lux) Eav= 43.50 Emin= 28.71 Emax= 61.81 Emin/Emax= 0.46 Emin/Eav= 0.66 Emax/Eav= 1.42</p>	<p>Grid 3 - Footpath 6 Results - Horizontal Illuminance (lux) Eav= 10.99 Emin= 3.77 Emax= 28.01 Emin/Emax= 0.13 Emin/Eav= 0.34 Emax/Eav= 2.55</p>
<p>Grid 6 - Footpath 2 Results - Horizontal Illuminance (lux) Eav= 17.44 Emin= 5.09 Emax= 90.84 Emin/Emax= 0.06 Emin/Eav= 0.29 Emax/Eav= 5.21</p>	<p>Grid 16 - Road 3 Results - Horizontal Illuminance (lux) Eav= 32.27 Emin= 7.20 Emax= 100.66 Emin/Emax= 0.07 Emin/Eav= 0.22 Emax/Eav= 3.12</p>	<p>Grid 4 - Footpath 7 Results - Horizontal Illuminance (lux) Eav= 17.83 Emin= 10.74 Emax= 32.36 Emin/Emax= 0.33 Emin/Eav= 0.60 Emax/Eav= 1.81</p>
<p>Grid 7 - Footpath 3 Results - Horizontal Illuminance (lux) Eav= 7.62 Emin= 2.72 Emax= 17.36 Emin/Emax= 0.16 Emin/Eav= 0.36 Emax/Eav= 2.28</p>	<p>Grid 17 - Road 4 Results - Horizontal Illuminance (lux) Eav= 27.17 Emin= 7.40 Emax= 61.58 Emin/Emax= 0.12 Emin/Eav= 0.27 Emax/Eav= 2.27</p>	<p>Grid 19 - Ramp 4 Results - Horizontal Illuminance (lux) Eav= 126.35 Emin= 117.23 Emax= 136.99 Emin/Emax= 0.86 Emin/Eav= 0.93 Emax/Eav= 1.08</p>
<p>Grid 8 - Stairs 2 Results - Horizontal Illuminance (lux) Eav= 137.91 Emin= 128.74 Emax= 149.06 Emin/Emax= 0.86 Emin/Eav= 0.93 Emax/Eav= 1.08</p>	<p>Grid 18 - Road 5 Results - Horizontal Illuminance (lux) Eav= 32.57 Emin= 10.82 Emax= 81.92 Emin/Emax= 0.13 Emin/Eav= 0.33 Emax/Eav= 2.51</p>	<p>Grid 20 - Entrance 1 Results - Horizontal Illuminance (lux) Eav= 28.42 Emin= 18.13 Emax= 33.50 Emin/Emax= 0.54 Emin/Eav= 0.64 Emax/Eav= 1.18</p>



CLARIFICATION OF FURTHER INFORMATION RESPONSE

REV	DATE	DESCRIPTION	BY	CHK
P01	23.01.2022	ISSUED FOR PLANNING	RD	MD
P02	24.01.2022	ISSUED FOR PLANNING	RD	MD
P03	25.01.2023	ISSUED FOR PLANNING	RD	MD
P04	19.04.2023	ISSUED FOR PLANNING	RD	MD

PROJECT:
21 FIRST AVENUE, COOKSTOWN DEVELOPMENT

DRAWING TITLE:
SITE LIGHTING DESIGN

JV TIERNEY & CO
MECHANICAL ELECTRICAL & SUSTAINABLE ENGINEERS

The Tannery, 53-56 Cork Street, Dublin D08 P92R, Ireland
T: +353 1 421 4900 Email: jvtierney.ie W: www.jvtierney.ie
ISO 45001:2018 I.S. EN ISO 9001:2015 I.S. EN ISO 14001:2015

DRAWING NUMBER:
4046-JVT-00-SI-DRE-6006

DRAWN: RD DATE: 23/01/2023
CHECKED: MD DATE: 23/01/2023
SCALE: 1:250@A1L
PROJECT NUMBER: 4046
REVISION: P04