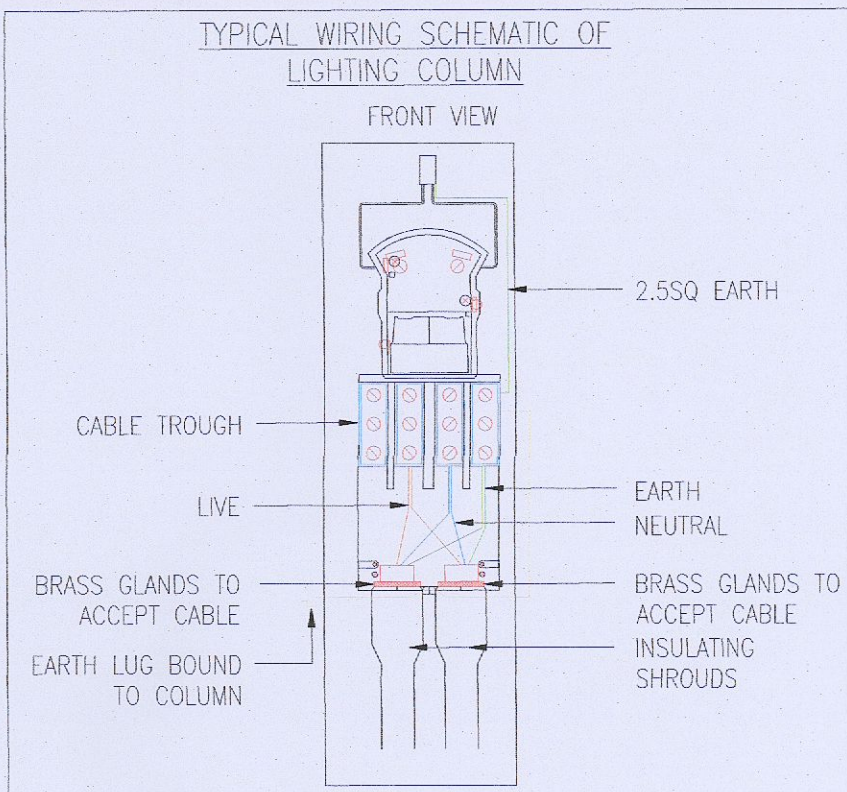


QNT	TYPE	DESCRIPTION
9		PROPOSED 6M MOUNTING HEIGHT COLUMN COMPLETE WITH POST TOP MOUNTED THORN ISARO PRO S 12L35 EWR 740 CLO CL1 2.07KLM'S. LUMINAIRE'S TO BE INSTALLED AT 0° TILT.
7		PROPOSED 6M MOUNTING HEIGHT COLUMN COMPLETE WITH POST TOP MOUNTED THORN ISARO PRO L 48L70 EWR 740 CLO CL1 14.95KLM'S. LUMINAIRE'S TO BE INSTALLED AT 0° TILT.
15		PROPOSED 6M MOUNTING HEIGHT COLUMN COMPLETE WITH POST TOP MOUNTED THORN ISARO PRO S 24L70 EWR 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 SITEWORKS 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 LUMINAIRE'S SHALL BE PROGRAMMABLE ON SITE AND SHALL INITIALLY BE DIMMED BETWEEN MID-NIGHT AND 6AM TO 75%.
 - ELECTRICAL 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 LUMINAIRE'S 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 AV, 1 MIN AND 0.25UO FOR FOOTPATHS
20 LUX MIN FOR DISABLED PARKING
10 AV, 2 MIN AND 0.40UO FOR ROADS AND PARKING BAYS
20 MIN FOR TFC (FRONT TRANSITIONAL CAR FACILITY)
20 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= 23.27 Emax= 68.30 Emin/Emax= 0.34 Emin/Eav= 0.52 Emax/Eav= 1.54</p>	<p>Grid 5 - Stairs 2 Results - Horizontal Illuminance (lux) Eav= 137.91 Emin= 128.74 Emax= 149.05 Emin/Emax= 0.86 Emin/Eav= 0.93 Emax/Eav= 1.08</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= 41.45 Emin= 23.91 Emax= 55.30 Emin/Emax= 0.45 Emin/Eav= 0.58 Emax/Eav= 1.33</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 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 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 4 - Road 1 Results - Horizontal Illuminance (lux) Eav= 29.97 Emin= 13.94 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 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 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= 3.35</p>	<p>Grid 15 - TCF Results - Horizontal Illuminance (lux) Eav= 43.59 Emin= 28.71 Emax= 61.81 Emin/Emax= 0.46 Emin/Eav= 0.66 Emax/Eav= 1.42</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 6 - Footpath 2 Results - Horizontal Illuminance (lux) Eav= 17.44 Emin= 5.99 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 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 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 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 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>		



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

PROJECT: 21 FIRST AVENUE, COOKSTOWN DEVELOPMENT

DRAWING TITLE: SITE LIGHTING DESIGN

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