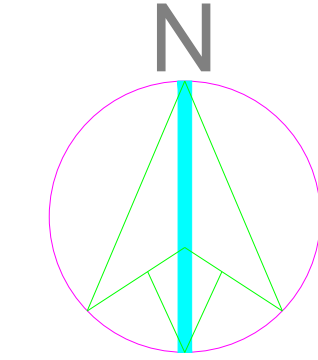




Notes:
All LED lanterns must have Constant Light Output (CLO).
Automatically dimmed to 75% each night from 12 midnight to 6am.
All lanterns to have 7pin NEMA sockets fitted.
Electronic Photocells switched at 35/18lux
All columns, luminaires, cable and pillars, shall comply with Local Authority General Specification for Public Lighting.
No trees to be located within falling distance of P/L columns.
Minimum set-back of columns is 800mm from face of kerb.



0.25 lux
0.5 lux
1.0 lux
3.0 lux
5.0 lux

TYPE C COLUMN DETAILS
HEIGHT : 6m
BRACKET LENGTH : Post-top
INCLINATION : 0 Degrees
COLUMN QUANTITY : 13
LANTERN DETAILS
AVERAGE WATTAGE (CLO) : 22
MAKE & MODEL : Urbis-Schreder Axia 2.1 - 24 LED@300mA - 5241 - WW 2200K - Rear Louvres

TYPE D COLUMN DETAILS
HEIGHT : 6m
BRACKET LENGTH : Post-top
INCLINATION : 0 Degrees
COLUMN QUANTITY : 67
LANTERN DETAILS
AVERAGE WATTAGE (CLO) : 22
MAKE & MODEL : Urbis-Schreder Axia 2.1 - 24 LED@300mA - 5166 - WW 2200K - Rear Louvres

TYPE E COLUMN DETAILS
HEIGHT : 5m ABACUS Raise & lower type
BRACKET LENGTH : Post-top
INCLINATION : 0 Degrees
COLUMN QUANTITY : 20
LANTERN DETAILS
AVERAGE WATTAGE (CLO) : 6
MAKE & MODEL : Urbis-Schreder Axia 2.1 - 4 LED@350mA - 5165 - WW 2200K - Front & Rear Louvres

TYPE F COLUMN DETAILS
HEIGHT : 6m
BRACKET LENGTH : Post-top
INCLINATION : 0 Degrees
COLUMN QUANTITY : 11
LANTERN DETAILS
AVERAGE WATTAGE (CLO) : 15
MAKE & MODEL : Urbis-Schreder Axia 2.1 - 24 LED@200mA - 5166 - WW 2200K -

TYPE G COLUMN DETAILS
HEIGHT : 6m
BRACKET LENGTH : Post-top
INCLINATION : 0 Degrees
COLUMN QUANTITY : 19
LANTERN DETAILS
AVERAGE WATTAGE (CLO) : 22
MAKE & MODEL : Urbis-Schreder Axia 2.1 - 24 LED@300mA - 5165 - WW 2200K - Rear Louvres

TYPE H COLUMN DETAILS
HEIGHT : 5m ABACUS Raise & lower type
BRACKET LENGTH : Post-top
INCLINATION : 0 Degrees
COLUMN QUANTITY : 4
LANTERN DETAILS
AVERAGE WATTAGE (CLO) : 5
MAKE & MODEL : Urbis-Schreder Axia 2.1 - 4 LED@300mA - 5165 - WW 2200K

TYPE I COLUMN DETAILS
HEIGHT : 5m ABACUS Raise & lower type
BRACKET LENGTH : Post-top
INCLINATION : 0 Degrees
COLUMN QUANTITY : 3
LANTERN DETAILS
AVERAGE WATTAGE (CLO) : 41
MAKE & MODEL : Urbis-Schreder Axia 2.1 - 24 LED@540mA - 5165 - WW 2200K - Front & Rear Louvres

TYPE J COLUMN DETAILS
HEIGHT : 5m ABACUS Raise & lower type
BRACKET LENGTH : 0.5m Sofa bracket
INCLINATION : 0 Degrees
COLUMN QUANTITY : 11
LANTERN DETAILS
AVERAGE WATTAGE (CLO) : 13
MAKE & MODEL : Urbis-Schreder Flexia Midi- 10 LED@300mA - 5300 - WW 2200K

TYPE K COLUMN DETAILS
HEIGHT : 5m ABACUS Raise & lower type
BRACKET LENGTH : 0.5m Sofa bracket
INCLINATION : 0 Degrees
COLUMN QUANTITY : 3
LANTERN DETAILS
AVERAGE WATTAGE (CLO) : 14
MAKE & MODEL : Urbis-Schreder Flexia Midi- 20 LED@200mA - 5304SYM - WW 2200K

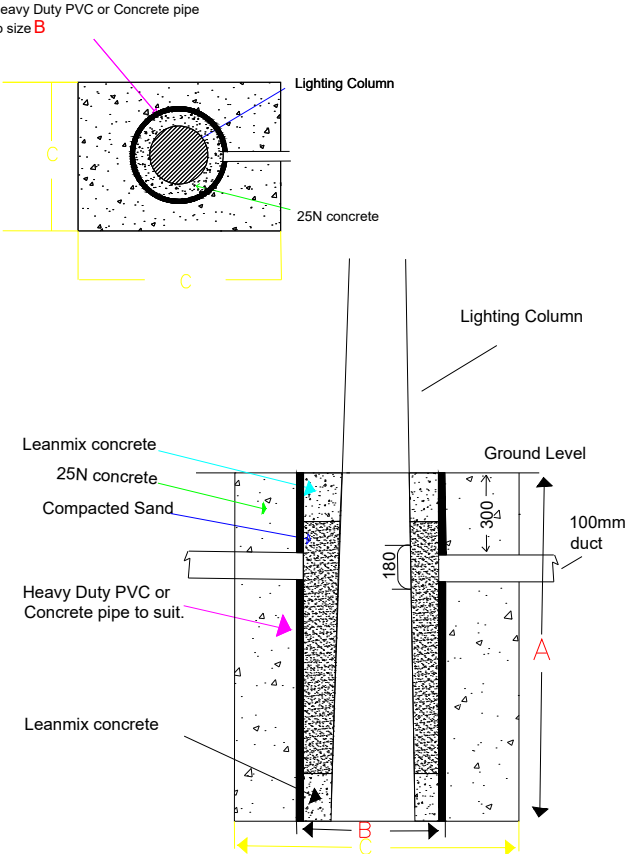
TYPE A COLUMN DETAILS
HEIGHT : 8m
BRACKET LENGTH : Post-top
INCLINATION : 0 Degrees
COLUMN QUANTITY : 8
LANTERN DETAILS
AVERAGE WATTAGE (CLO) : 43
MAKE & MODEL : Urbis-Schreder Axia 2.2 - 48 LED@300mA - 5187 - WW 2200K

TYPE B COLUMN DETAILS
HEIGHT : 8m
BRACKET LENGTH : Post-top (qty 1 1.0m bracket)
INCLINATION : 0 Degrees
COLUMN QUANTITY : 19
LANTERN DETAILS
AVERAGE WATTAGE (CLO) : 43
MAKE & MODEL : Urbis-Schreder Axia 2.2 - 48 LED@300mA - 5166 - WW 2200K - Rear Louvres

2X6kg NYCY cable laid in ducting to ET01 ET01.
Single wall ducting, colour red to be used
manufactured from high density polyethylene (H.D.P.E.),
107mm external diameter, having a wall thickness of 5mm.
This ducting to have the words "Steel Lighting" stamped on
letter size firm at 1m intervals. The lettering to face uppermost
in the trench. All works to Local Authority specification.
This is a detail layout and not indicative of where ducts are to be laid.
Public Lighting Pillar (located at least 2m from ESB pillar)

Typical Base detail, to be checked
by site engineers.

COLUMN MOUNTING HEIGHT	12m	10m	8m	6m
COLUMN ROOT DEPTH	1.9m	1.7m	1.5m	1.0m
CABLE ENTRY DEPTH	0.3m	0.3m	0.3m	0.3m
ROOTING CONCRETE DEPTH				
COLUMN DOOR HEIGHT	1.5m	1.5m	1.5m	1.5m
COLUMN SLEEVE SIZE(mm) internal	450	400	400	300
EXCAVATION (width x length)	1000	800	600	400



NOTES
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THE CALCULATION SHOWN BY THIS DRAWING ASSUMES THAT THE WHOLE AREA BEING
CONSIDERED IS IN THE SAME PLANE, I.E. THERE ARE NO CHANGES IN GRADIENT OR
ELEVATION.
This drawing layout is based on calculated lighting levels, produced by Sabre Electrical Services Ltd., using Lighting
Reality software. Any alterations to the layout or luminaires type used for the lighting design calculations, will require a
revised lighting design to be carried-out. A redesign may require approval from the Local Authority Public Lighting
Dept. prior to any alterations/modifications being implemented on site.

Sabre
ELECTRICAL SERVICES LTD.
Specialist Contractors
PUBLIC LIGHTING - FLOOD LIGHTING - SPORTS LIGHTING

UNIT 11,
BELLVUE INDUSTRIAL ESTATE,
FINGLAS,
DUBLIN 11.
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PH: 01-811 0875

- ?	GS	CHK	-----
- ?	GS	CHK	-----
- ?	GS	CHK	-----
D	Updated as per comments	AN	CHK 15-03-22
C	Updated site layout	AN	CHK 23-02-22
B	Updated site layout	AN	CHK -----
A	Updated layout	AN	CHK 09-02-22
REV	DESCRIPTION	INTS	CHKD DATE

CLIENT/CUSTOMER
Cairn Homes Properties Ltd

PROJECT
Coolagad

TITLE
Public Lighting Layout

DRAWN A.N	SCALE 1:1000 @A1	DATE 26-01-22
DRAWING NUMBER SES 17121 Sheet 2	ISSUE 5	

BASE DRAWING NUMBER
20005 - PL03-PL08 Site Plan.dwg

DRAWING ORIGIN
edit

DO NOT SCALE FROM THIS DRAWING