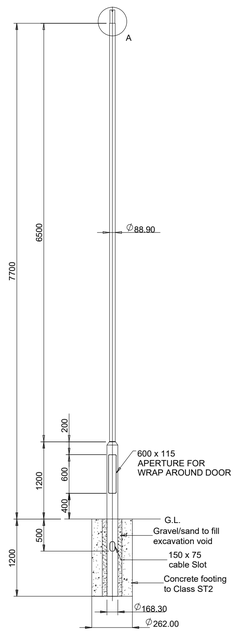
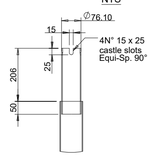
ISO A1 594mm x 841mm
Last saved by: CONROY.THOMAS (2024-05-30) Last Plotted: 2024-05-31
File name: C:\Users\thomas.conroy\AppData\Local\Temp\AcPublish_19180\60719865-ACM-CBB-XX-EE-CE-000100 - Lighting v2.dwg



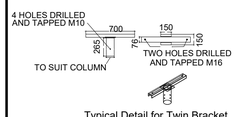
3rd Angle



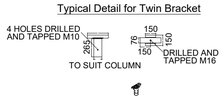
TYPICAL DETAIL OF 8 METRE TUBULAR POST TOP COLUMN
NTS



DETAIL A
SCALE 2 : 25



Typical Detail for Twin Bracket



Typical Detail for Single Bracket

Technical Information

Design

BSEN40, PD6547: 2004+A1: 2009 Extra heavy wind loading region (No sign)

Load class B

Deflection class 3

Head load 30kg/0.25m² *

Finish

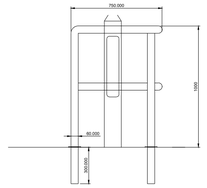
Galvanised to BSEN 1461:2009

Welding
In accordance with BSEN1011

Procedures to BSEN ISO 15614-1:2004

Welders qualified to BSEN 287-1:2004

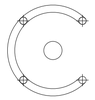
* Maximum design head load based on wind loading region with orientation of bracket/ luminaire(s) being on same plane as door



STANDARD UNIT DIMENSIONS:

DIAMETER TUBE: 60mm
GAUGE:5mm
ABOVE GROUND HEIGHT: 1000mm
ROOT LENGTH: 300mm
EXTERNAL DIAMETER:750mm

BROXAP SPECIFICATION OR SIMILARLY APPROVED. IN ACCORDANCE WITH BS EN 12767:2019, Passive Safe Bollards & Posts



TYPICAL LIGHTING COLUMN PROTECTION
(NTS)

Designed in accordance with BS5489-1:2013 to 20 Lux Average and 0.25 Uniformity. Disabled parking area designed to achieve higher levels.

Assumed Environmental Zone - E3/E4 and 6 yearly cleaning regime.

Luminaire Schedule

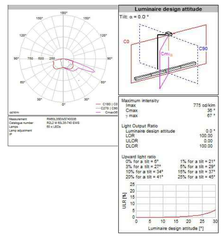
Label	Symbol	Qty	Arrangement	Total Lamp Lumens	LLF	Description	Tilt
EX1-Twin		70	TWIN 0.5m Bracket	15967	0.830	R2L2 M 96L35-740 EWS CL1	0
EX2		34	SINGLE Post Top	15967	0.830	R2L2 M 96L35-740 EWS CL1	0
EX3		11	SINGLE Post Top	10005	0.830	R2L2 M 60L35-740 EWS CL1	0

Calculation Summary

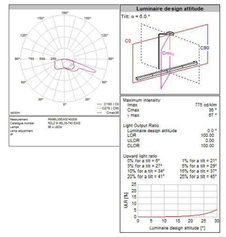
Label	Avg	Max	Min	Min/Avg	Min/Max
Road	22.0	51.7	5.02	0.29	0.10
Car Park 1	24.4	80.4	6.6	0.27	0.08
Car Park 2	26.3	75.9	7.90	0.30	0.10
Car Park 3	27.0	79.2	6.73	0.25	0.09
Car Park 4	27.2	80.9	7.22	0.27	0.09

NOTES:
-Luminaire's Mounting Height marked individually.
-Luminaire Column ID Numbers for the purpose of this drawing only.
-No upward light emission as ULOR of these two luminaries is equal to zero.

R2L2



Photometric Data of R2L2 M 60L35-740



Photometric Data of R2L2 M 96L35-740



THIRD PARTY INFORMATION	ISSUED BY	REFERENCE	DATE RECEIVED
TOPOGRAPHICAL SURVERY	ATLANTIC GEOMATICS	3543P06-P11	JUNE 2018
OS MASTERPLAN	MAG	ASSET TEAM	18/02/2024

THIRD PARTY INFORMATION	ISSUED BY	REFERENCE	DATE RECEIVED
LANDSCAPE PLAN	AECOM	60578226-MAN-CBB-LL-101	28/05/19
MEET AND GREET LAYOUT	AECOM	SELF PARK MEET AND GREET	05/04/2024

0 25 50 m
1:1000

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AECOM

PROJECT

CLOUGH BANK B

CLIENT

MAG

CONSULTANT

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NOTES

1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.
2. IF RECEIVED ELECTRONICALLY, IT IS THE RECIPIENT'S RESPONSIBILITY TO PRINT TO THE CORRECT SCALE. ONLY THE DIMENSIONS STATED ARE TO BE USED.
3. THE CAR PARK LIGHTING IS TO BE CONTROLLED VIA PHOTOCELL WITH NEMA SOCKET INCORPORATED INTO EACH LUMINAIRE HEAD.
4. ALL LIGHTING COLUMNS AND STREET FURNITURE TO BE PLACED AT LEAST 450mm FROM THE EDGE OF A CARRIAGEWAY.

ISSUE/REVISION

I/R	DATE	DESCRIPTION	BY	CK	AP
P03	31/05/2024	UPDATED TO ALIGN WITH CONDITION 20.	PH	SL	VB
P02	25/05/2024	UPDATED AS PER CLIENT COMMENT RECEIVED 22.05.24	CT	GT	VB
P01	26/04/2024	TENDER ISSUE	PH	SL	VB

SUITABILITY

D2 - Suitable for Tender

PROJECT NUMBER

60719865

SHEET TITLE

CLOUGH BANK B
LIGHTING LAYOUT

SHEET NUMBER

60719865-ACM-CBB-XX-DR-EE-00003

SCALE 1:1000 @ A1

REVISION P03