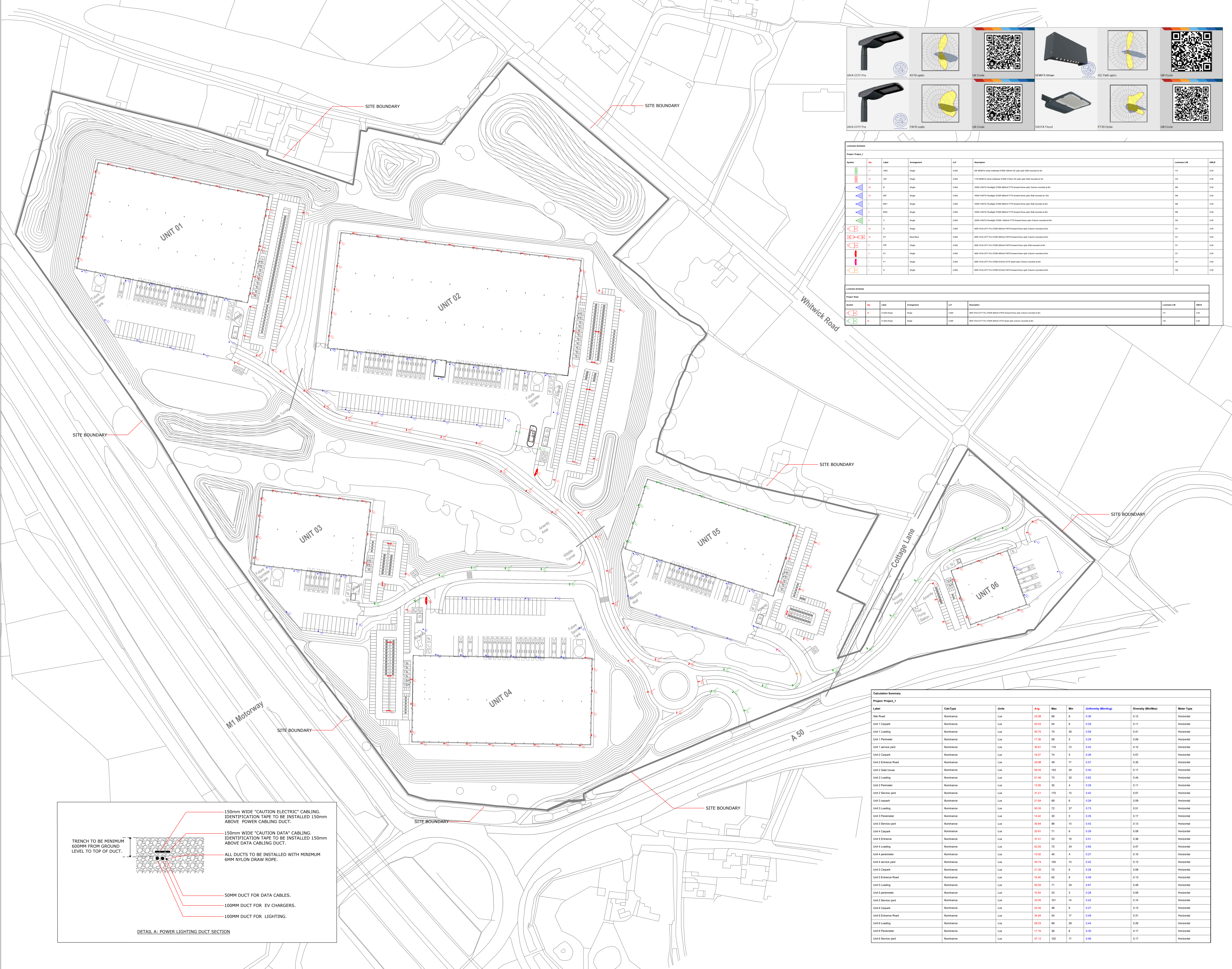




Luminaire Schedule									
Project: Project_1									
Symbol	Qty	Label	Arrangement	LxT	Description	Luminaire LW	WxH		
[Symbol]	11	AW2	Single	0.00	800 SEMTA Urban Suburban 2700K 200W OC path optic Wall mounted at 3m	110	0.00		
[Symbol]	14	AW	Single	0.00	1100 SEMTA Urban Suburban 2700K 410W OC path optic Wall mounted at 3m	121	0.00		
[Symbol]	28	R	Single	0.00	1600 VWA-CITY Pro 2700K 800W F770 forward throw optic Column mounted at 3m	160	0.00		
[Symbol]	30	RA	Single	0.00	1600 VWA-CITY Pro 2700K 800W F770 forward throw optic Wall mounted at 3m	160	0.00		
[Symbol]	1	BA1	Single	0.00	1600 VWA-CITY Pro 2700K 800W F770 forward throw optic Wall mounted at 3m	160	0.00		
[Symbol]	3	BA2	Single	0.00	1600 VWA-CITY Pro 2700K 800W F770 forward throw optic Wall mounted at 3m	160	0.00		
[Symbol]	3	C	Single	0.00	200W VWA-CITY Pro 2700K 100W F770 forward throw optic Column mounted at 3m	100	0.00		
[Symbol]	26	D	Single	0.00	800 VWA-CITY Pro 2700K 800W F770 forward throw optic Column mounted at 3m	121	0.00		
[Symbol]	10	D1	Back-Bay	0.00	800 VWA-CITY Pro 2700K 800W F770 forward throw optic Column mounted at 3m	121	0.00		
[Symbol]	4	DW	Single	0.00	800 VWA-CITY Pro 2700K 800W F770 forward throw optic Wall mounted at 3m	121	0.00		
[Symbol]	5	D1	Single	0.00	800 VWA-CITY Pro 2700K 800W F770 forward throw optic Column mounted at 3m	121	0.00		
[Symbol]	1	F1	Single	0.00	800 VWA-CITY Pro 2700K 800W F770 forward throw optic Column mounted at 3m	121	0.00		
[Symbol]	1	G	Single	0.00	800 VWA-CITY Pro 2700K 800W F770 forward throw optic Column mounted at 3m	121	0.00		
Luminaire Schedule									
Project: Road									
Symbol	Qty	Label	Arrangement	LxT	Description	Luminaire LW	WxH		
[Symbol]	20	D (Site Road)	Single	0.00	800 VWA-CITY Pro 2700K 800W F770 forward throw optic Column mounted at 3m	121	0.00		
[Symbol]	10	F1 (Site Road)	Single	0.00	800 VWA-CITY Pro 2700K 800W F770 forward throw optic Column mounted at 3m	121	0.00		

Calculation Summary									
Project: Project_1									
Label	CatType	Units	Avg	Max	Min	Uniformity (Min/Max)	Diversity (Min/Max)	Meter Type	
Site Road	luminaire	Lux	22.08	68	8	0.38	0.12	Horizontal	
Unit 1 Carpark	luminaire	Lux	20.53	54	6	0.29	0.11	Horizontal	
Unit 1 Loading	luminaire	Lux	50.70	74	30	0.59	0.41	Horizontal	
Unit 1 Perimeter	luminaire	Lux	17.38	68	5	0.29	0.09	Horizontal	
Unit 1 Service yard	luminaire	Lux	30.91	110	13	0.42	0.12	Horizontal	
Unit 2 Carpark	luminaire	Lux	19.27	74	5	0.28	0.07	Horizontal	
Unit 2 Entrance Road	luminaire	Lux	29.98	49	17	0.57	0.35	Horizontal	
Unit 2 Gate house	luminaire	Lux	59.45	143	24	0.40	0.17	Horizontal	
Unit 2 Loading	luminaire	Lux	51.46	73	32	0.62	0.44	Horizontal	
Unit 2 Perimeter	luminaire	Lux	13.59	35	4	0.29	0.11	Horizontal	
Unit 2 Service yard	luminaire	Lux	31.21	115	13	0.42	0.07	Horizontal	
Unit 3 Carpark	luminaire	Lux	21.64	69	6	0.28	0.09	Horizontal	
Unit 3 Loading	luminaire	Lux	50.55	72	37	0.73	0.51	Horizontal	
Unit 3 Perimeter	luminaire	Lux	14.42	30	5	0.35	0.07	Horizontal	
Unit 3 Service yard	luminaire	Lux	30.84	98	13	0.42	0.13	Horizontal	
Unit 4 Carpark	luminaire	Lux	20.81	71	6	0.29	0.08	Horizontal	
Unit 4 Entrance	luminaire	Lux	37.41	53	19	0.51	0.26	Horizontal	
Unit 4 Loading	luminaire	Lux	62.55	72	34	0.65	0.47	Horizontal	
Unit 4 perimeter	luminaire	Lux	15.03	40	4	0.27	0.10	Horizontal	
Unit 4 service yard	luminaire	Lux	30.74	104	13	0.42	0.13	Horizontal	
Unit 5 Carpark	luminaire	Lux	21.35	75	6	0.28	0.08	Horizontal	
Unit 5 Entrance Road	luminaire	Lux	16.40	62	8	0.48	0.13	Horizontal	
Unit 5 Loading	luminaire	Lux	59.03	71	34	0.67	0.48	Horizontal	
Unit 5 perimeter	luminaire	Lux	15.54	30	3	0.28	0.09	Horizontal	
Unit 5 Service yard	luminaire	Lux	29.05	101	14	0.42	0.14	Horizontal	
Unit 6 Carpark	luminaire	Lux	22.55	46	6	0.27	0.13	Horizontal	
Unit 6 Entrance Road	luminaire	Lux	24.94	54	17	0.49	0.21	Horizontal	
Unit 6 Loading	luminaire	Lux	59.63	99	38	0.44	0.28	Horizontal	
Unit 6 Perimeter	luminaire	Lux	17.19	36	6	0.35	0.17	Horizontal	
Unit 6 Service yard	luminaire	Lux	37.12	102	17	0.46	0.17	Horizontal	

- NOTES
- GIVEN IN DRAWINGS AND SPECIFICATIONS SHALL BE UTILISED AND VERIFIED BY THE CONTRACTOR. IF IN DOUBT ASK.
 - THE CONTRACTOR SHALL NOTE DRAWINGS ARE PRODUCED TO RIBA STAGE 3 AND PROPOSED QUANTITIES AND NOTIONAL PROVISION OF SERVICES WHERE GIVEN SHALL BE TREATED AS INDICATIVE OUTLINING THE DESIGN INTENT.
 - ALL WORKS ASSOCIATED WITH THIS PROJECT SHALL BE UNDERTAKEN IN ACCORDANCE WITH THE RELEVANT CONTRACT DOCUMENTS INCLUDING ALL MECHANICAL, ELECTRICAL, PUBLIC HEALTH, FIRE PROTECTION, ARCHITECTURAL, STRUCTURAL AND CIVIL ENGINEERING DRAWINGS, SPECIFICATIONS AND SCHEDULES.
 - THE CONTRACTOR SHALL DESIGN, SUPPLY, INSTALL, SET TO WORK AND COMMISSION ALL MATERIAL AND EQUIPMENT NECESSARY TO PROVIDE A FULLY COORDINATED AND OPERATIONAL INSTALLATION. THESE SHALL INCLUDE ANY MATERIAL THAT MAY OR MAY NOT BE SPECIFIED.
 - THE CONTRACTOR SHALL DESIGN, SUPPLY, INSTALL, SET TO WORK AND COMMISSION AN EXTERNAL LIGHTING INSTALLATION AND BUILDING EMERGENCY LIGHTING INSTALLATION TO SUIT THE PROPOSED SITE PLAN AND BUILDING LAYOUT.
 - THE CONTRACTOR SHALL DESIGN AN EXTERNAL LIGHTING STRATEGY TO REDUCE LIGHT POLLUTION FROM THE DEVELOPMENT.
 - THE EXTERNAL LIGHTING INSTALLATION SHALL BE DESIGNED TO SUITABLE ZONING AND CONTROL SYSTEMS. TIME SCHEDULING SHALL BE PROVIDED AND COMMISSIONED TO ENABLE LUMINAIRES TO BE SWITCHED OFF BETWEEN 23:00-07:00 HOURS.
 - LIGHTING CONTROL AND OPERATION OF TIME SCHEDULES SHALL BE INSTALLED AND COMMISSIONED IN LINE WITH LOCAL PLANNING AUTHORITY REQUIREMENTS.
 - LED VERSION LUMINAIRES SHALL BE INSTALLED WITH AN AVERAGE LUMINOUS EFFICACY OF NO LESS THAN 70 LUMEN/ WATT PER LUMINAIRE PER CIRCUIT WATT INSTALLED THROUGHOUT WITH SUITABLE CONTROL SOLUTIONS IN LINE WITH THE BREEM REQUIREMENTS AND SHELL SPECIFICATION.
 - THE CONTRACTOR SHALL INSTALL A COMPLETE LIGHTING CONTROL INSTALLATION IN LINE WITH THE OUTLINE SPECIFICATION AS DETAILED.
 - STANDARD TUBULAR ROOF MOUNTED LIGHTING COLUMNS SHALL BE SUPPLIED AND INSTALLED MANUFACTURED IN ACCORDANCE WITH EN12210 FINISHED IN HOT DIP GALVANISED AS STANDARD TO SERVE THE PROPOSED EXTERNAL LIGHTING INSTALLATION AS DETAILED.
 - LIGHTING COLUMNS SHALL BE PROVIDED WITH SUITABLE MANUFACTURERS APPROVED COLUMN BRACKETS AND COMPONENTRY TO FACILITATE THE INSTALLATION OF THE LUMINAIRES.
 - LIGHTING COLUMNS SHALL BE SUPPLIED COMPLETE WITH COLUMN DOORS AND SPECIALIST KEY ACCESS AND FUSED CUTOFF MOUNTED ON A SUITABLE BACKBOARD AS PER MANUFACTURERS INSTALLATION REQUIREMENTS.
 - ALL EQUIPMENT AND ELECTRICAL COMPONENTS MUST BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS INSTALLATION REQUIREMENTS.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE LOCATION OF ANY EXISTING UNDERGROUND SERVICES ROUTED THROUGH EXISTING AREA INCLUDING UTILITY SERVICES AND DRAINAGE. THEY SHALL ENSURE THAT EXISTING SERVICES SHALL BE IDENTIFIED AND PROTECTED BY THE CONTRACTOR DURING ANY EXCAVATION AND CONSTRUCTION WORKS.
 - THE CONTRACTOR SHALL LIAISE WITH THE STRUCTURAL ENGINEER TO DETERMINE FINAL LOCATIONS, DUCTWORK CABLE ROUTES/ENTRY POINTS AND FOUNDATION DETAILS AS APPLICABLE.
 - SUB MAIN CABLES AND ASSOCIATED CPC'S SHALL BE INSTALLED WITH CABLE IDENTIFICATION LABELS AT EITHER END OF THE CABLE LENGTH TO IDENTIFY THE CABLE ORIGIN OF SUPPLY. THESE SHALL BE AS PER THE FOLLOWING CONFIGURATION: BOARD REF/WAY/PHASE.
 - IF DUCTS ARE NOT SHOWN ON DRAWINGS, DUCT SHALL BE INSTALLED TO ALL EQUIPMENT AND LIGHTING.
 - ALL DUCT SHALL BE FULLY SEALED INTERNALLY WITH A SUITABLE COMPONENT AND FLEXIBLE SEALANT AT EACH END OF THE DUCT.
 - THE LIGHTING INSTALLATION SHALL BE FULLY TESTED AND COMMISSIONING LUMINAIRES SHALL BE POSITIONED IN ACCORDANCE WITH THE LIGHTING DESIGN REQUIREMENTS FOR ROTATION AND TILT ANGLE. ON COMPLETION OF SATISFACTORY COMMISSIONING THIS SHALL BE VERIFIED BY MEASUREMENT OF CALCULATED LIGHTING VALUES.
 - NEW CIRCUITS SHALL BE VERIFIED AND TESTED AND SHALL FULLY COMPLY WITH THE REQUIREMENTS OF BS 7671 LATEST EDITION FOR ELECTRICAL INSTALLATION.

REV	DESCRIPTION	DATE	BY	CHKD	DATE
001	ISSUED FOR TENDER	18.03.2025	BL	CH	18.03.2025
002	REVISED TO INCLUDE BREEM ON OFFICE TABLE AND REVISIONS TO INCLUDE BREEM ON OFFICE TABLE	18.03.2025	BL	CH	18.03.2025
003	REVISED TO INCLUDE BREEM ON OFFICE TABLE AND REVISIONS TO INCLUDE BREEM ON OFFICE TABLE	18.03.2025	BL	CH	18.03.2025
004	REVISED TO INCLUDE BREEM ON OFFICE TABLE AND REVISIONS TO INCLUDE BREEM ON OFFICE TABLE	18.03.2025	BL	CH	18.03.2025
005	REVISED TO INCLUDE BREEM ON OFFICE TABLE AND REVISIONS TO INCLUDE BREEM ON OFFICE TABLE	18.03.2025	BL	CH	18.03.2025
006	REVISED TO INCLUDE BREEM ON OFFICE TABLE AND REVISIONS TO INCLUDE BREEM ON OFFICE TABLE	18.03.2025	BL	CH	18.03.2025
007	REVISED TO INCLUDE BREEM ON OFFICE TABLE AND REVISIONS TO INCLUDE BREEM ON OFFICE TABLE	18.03.2025	BL	CH	18.03.2025
008	REVISED TO INCLUDE BREEM ON OFFICE TABLE AND REVISIONS TO INCLUDE BREEM ON OFFICE TABLE	18.03.2025	BL	CH	18.03.2025
009	REVISED TO INCLUDE BREEM ON OFFICE TABLE AND REVISIONS TO INCLUDE BREEM ON OFFICE TABLE	18.03.2025	BL	CH	18.03.2025
010	REVISED TO INCLUDE BREEM ON OFFICE TABLE AND REVISIONS TO INCLUDE BREEM ON OFFICE TABLE	18.03.2025	BL	CH	18.03.2025

PRELIMINARY

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CADDICK DEVELOPMENTS LTD

Project: **CDL MARKFIELD**

Drawing Title: **ELECTRICAL SERVICES EXTERNAL LIGHTING LAYOUT**

Project No:	50091	Scale:	NTS @ A0
Drawing No:	50091/E/112	Revision:	P06
Date:	JULY 2025	Prepared:	MMar
		Checked:	MMar
		Drawn:	BL

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