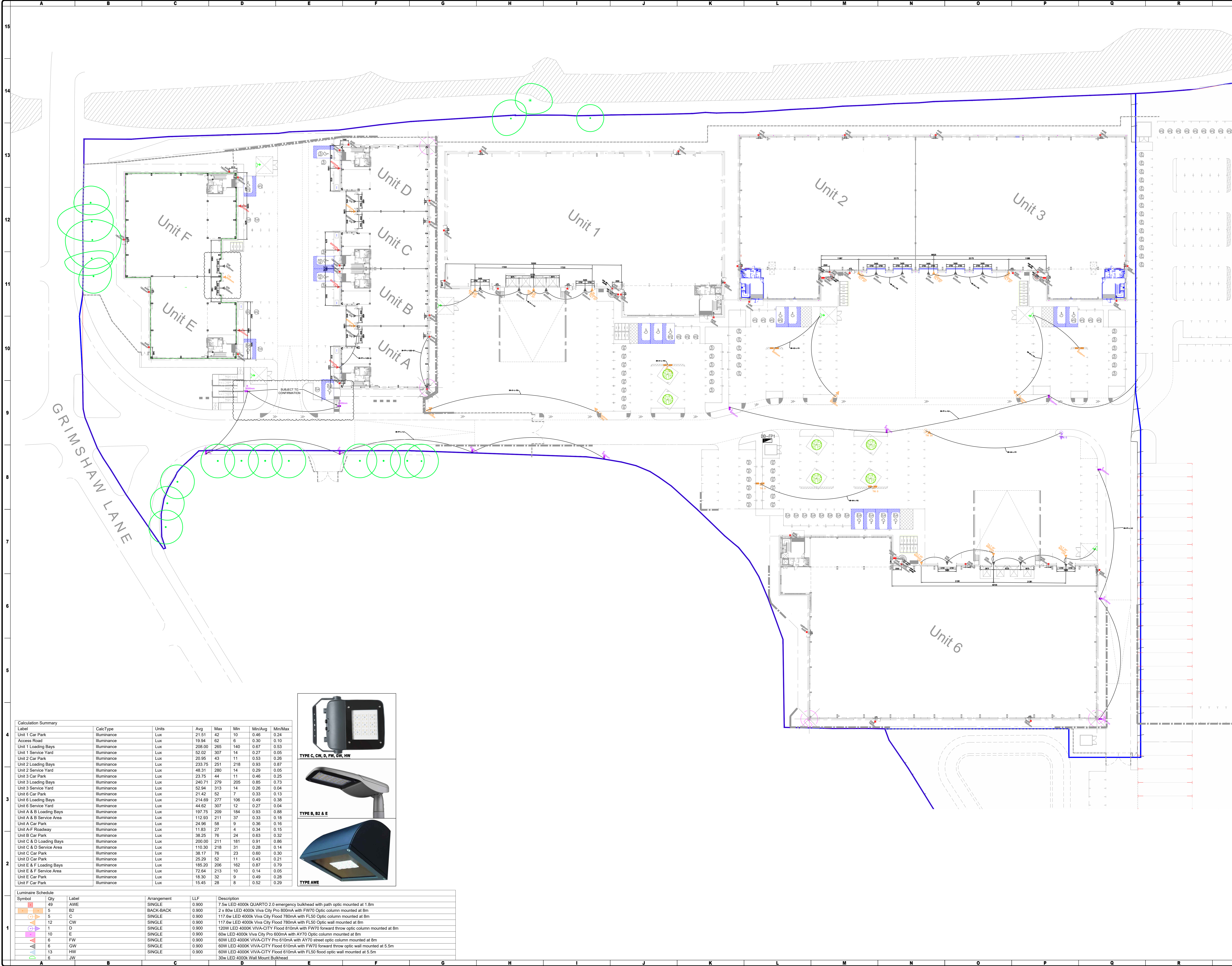




Calculation Summary						
Label	CalcType	Units	Avg	Max	Min	Min/Avg
Unit 1 Car Park	Illuminance	Lux	21.51	42	10	0.46
Access Road	Illuminance	Lux	19.94	62	6	0.30
Unit 1 Loading Bays	Illuminance	Lux	268.00	265	140	0.67
Unit 1 Service Yard	Illuminance	Lux	52.02	307	14	0.27
Unit 2 Car Park	Illuminance	Lux	20.95	43	11	0.53
Unit 2 Loading Bays	Illuminance	Lux	233.75	251	218	0.93
Unit 2 Service Yard	Illuminance	Lux	48.31	280	14	0.29
Unit 3 Car Park	Illuminance	Lux	23.75	44	11	0.46
Unit 3 Loading Bays	Illuminance	Lux	240.71	279	205	0.85
Unit 3 Service Yard	Illuminance	Lux	52.94	313	14	0.26
Unit 6 Car Park	Illuminance	Lux	21.42	52	7	0.33
Unit 6 Loading Bays	Illuminance	Lux	214.69	277	106	0.49
Unit 6 Service Yard	Illuminance	Lux	44.62	307	12	0.27
Unit A & B Loading Bays	Illuminance	Lux	197.75	209	184	0.93
Unit A & B Service Area	Illuminance	Lux	112.93	211	37	0.33
Unit A Car Park	Illuminance	Lux	24.96	58	9	0.36
Unit A-F Roadway	Illuminance	Lux	11.83	27	4	0.34
Unit B Car Park	Illuminance	Lux	38.25	76	24	0.63
Unit C & D Loading Bays	Illuminance	Lux	200.00	211	181	0.91
Unit C & D Service Area	Illuminance	Lux	110.30	218	31	0.28
Unit C Car Park	Illuminance	Lux	38.17	76	23	0.60
Unit D Car Park	Illuminance	Lux	25.29	52	11	0.43
Unit E & F Loading Bays	Illuminance	Lux	185.20	206	162	0.87
Unit E & F Service Area	Illuminance	Lux	72.64	213	10	0.14
Unit E Car Park	Illuminance	Lux	18.30	32	9	0.49
Unit F Car Park	Illuminance	Lux	15.45	28	8	0.52



Luminaire Schedule				
Symbol	Qty	Label	Arrangement	Description
48	1	AWE	SINGLE	7.5w LED 4000K QUARTO 2.0 emergency bulkhead with path optic mounted at 1.8m
5	5	B2	BACK-BACK	2 x 80w LED 4000K Viva City Pro 800mA with FW70 Optic column mounted at 8m
5	5	C	SINGLE	117.6w LED 4000K Viva City Flood 780mA with FL50 Optic column mounted at 8m
12	1	CW	SINGLE	117.6w LED 4000K Viva City Flood 780mA with FL50 Optic wall mounted at 8m
1	1	D	SINGLE	120W LED 4000K VIVA-CITY Flood 610mA with FW70 forward throw optic column mounted at 8m
10	1	E	SINGLE	60w LED 4000K Viva City Pro 600mA with AY70 Optic column mounted at 8m
6	1	FW	SINGLE	60W LED 4000K VIVA-CITY Pro 610mA with AY70 street optic column mounted at 8m
6	1	GW	SINGLE	60W LED 4000K VIVA-CITY Flood 610mA with FW70 forward throw optic wall mounted at 5.5m
13	1	HW	SINGLE	60W LED 4000K VIVA-CITY Flood 610mA with FL50 flood optic wall mounted at 5.5m
6	1	JW	SINGLE	30w LED 4000K Wall Mount Bulkhead

Columns added to ramp and stair case

Luminaire types updated, lighting levels updated

Construction issue, bin store lights added, unit 6 light reconfigured

20-03-24

23-01-24

31-10-23

MA

MA

MA

PJ

PJ

PJ

REV

DESCRIPTION OF CHANGES

DATED

BY

CHKD

☐ INFORMATION ONLY

☐ FOR APPROVAL

☒ FOR CONSTRUCTION

☐ AS FITTED

CONTRACTS LTD
ELECTRICAL ENGINEERING EXCELLENCE

Client:
A & H CONSTRUCTION AND DEVELOPMENT LTD

Project:
LOWERY PARK
GRIMSHAW LANE
MANCHESTER

Title:
ELECTRICAL SERVICES
EXTERNAL LIGHTING LAYOUT

Date:
Sept 2023

Dwg:
MA

App:
PJ

Scale:
1:350@A0

Drawing No:
C2338-E003

Rev:
C3