



D-SERIES 1 LUMINAIRE
REFERENCE 'EX1'



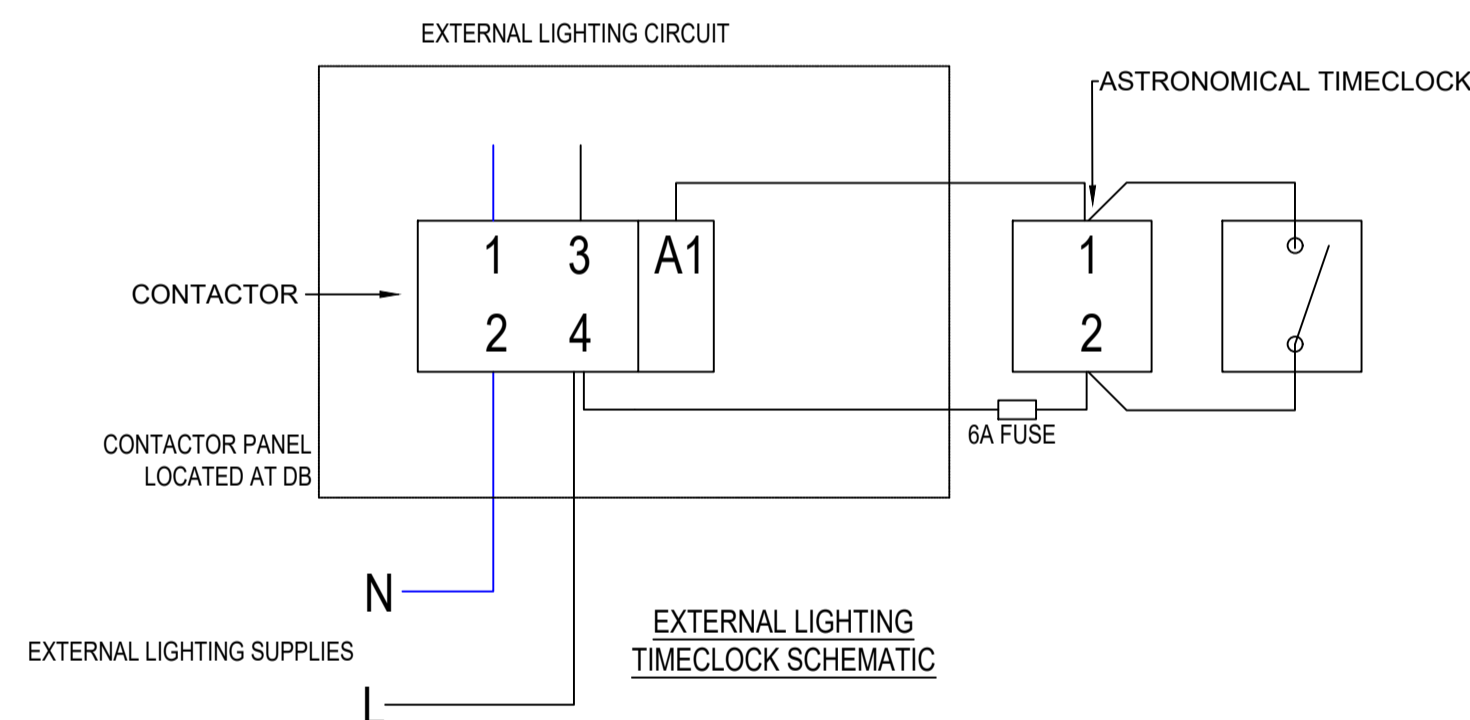
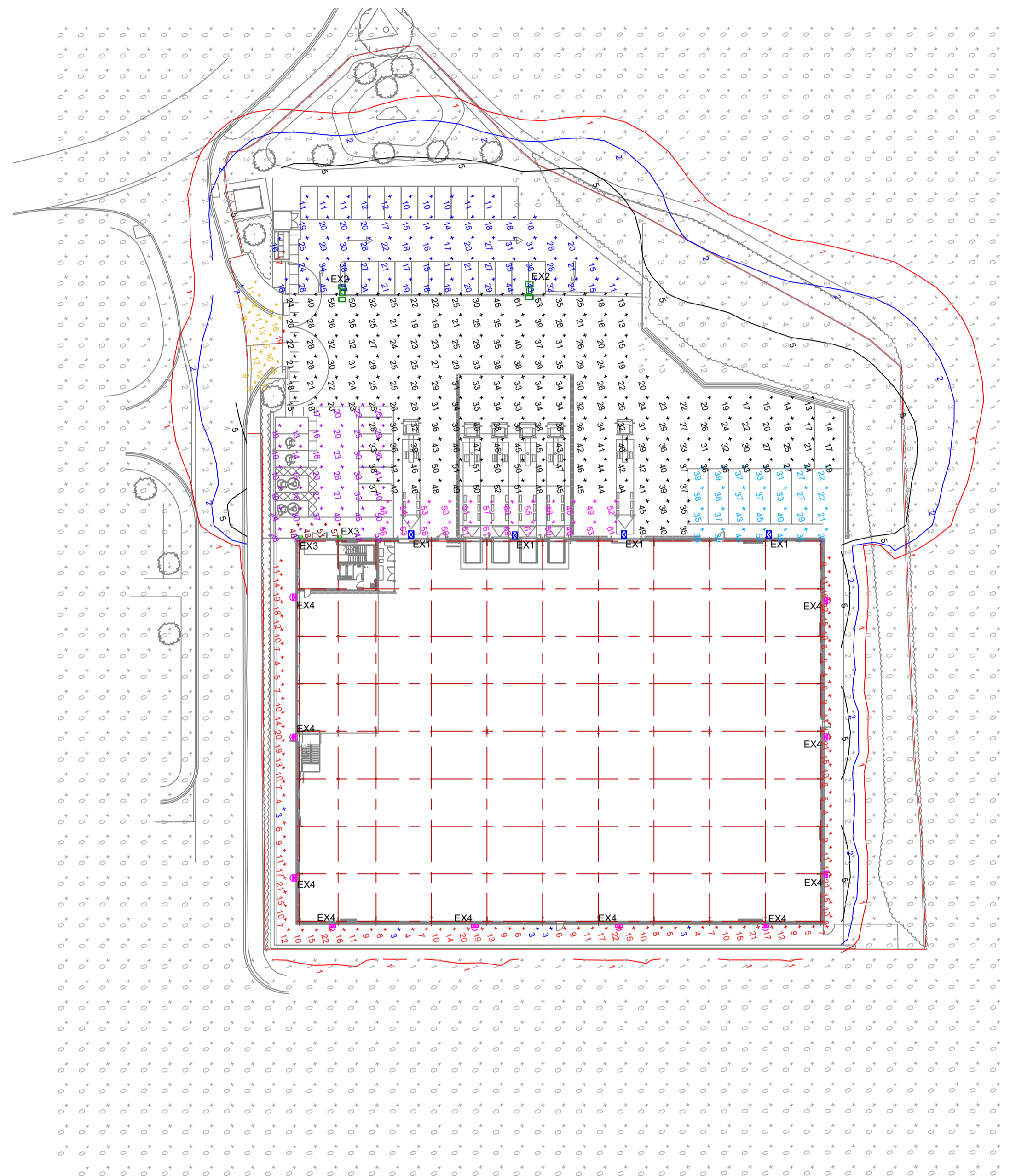
D-SERIES 0 LUMINAIRE
REFERENCE 'EX2'



DENVER ID WALL
REFERENCE 'EX3 & EX4'

NOTES

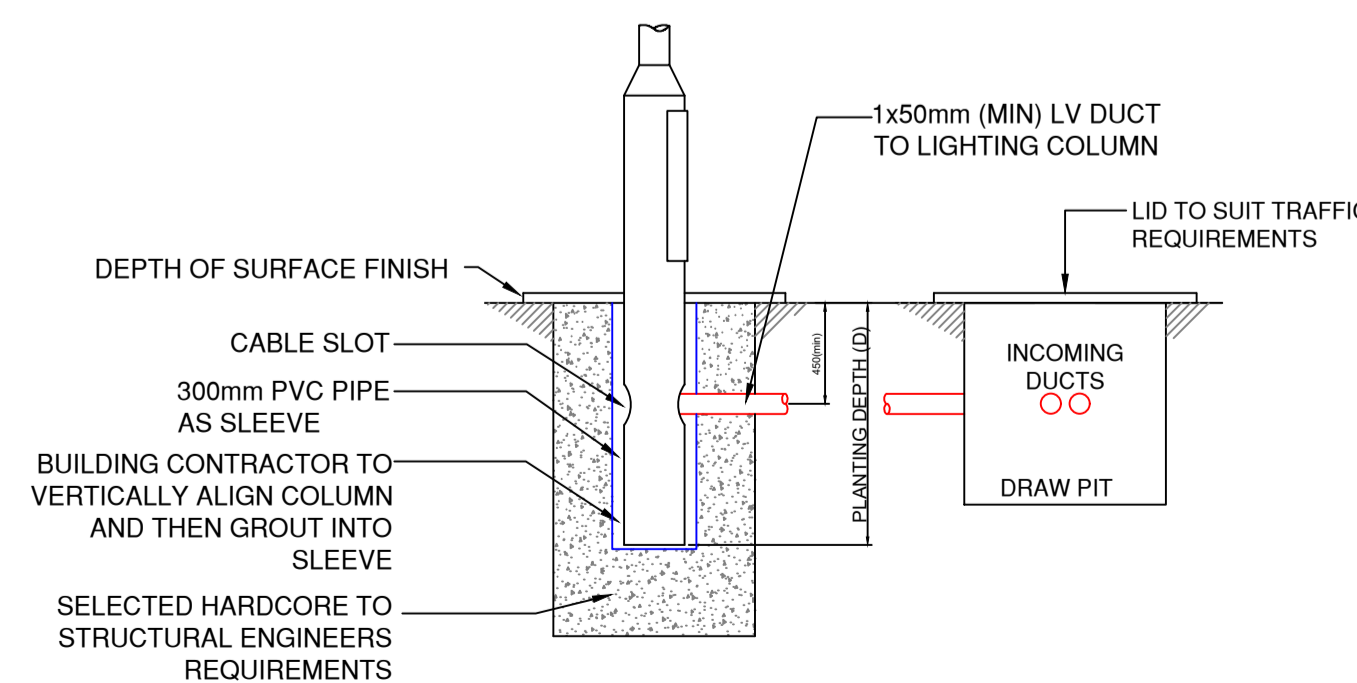
- DO NOT SCALE FROM THE DRAWING
- ALL EXTERNAL LIGHTING COLUMNS ARE TO BE PROVIDED WITH PRE-FORMED DEMOUNTABLE POLE CHAMBER SYSTEM WHICH COMBINE COLUMN AND CABLE CHAMBER FOR EASE OF WIRING AND MAINTENANCE
- ALL LV CABLING DUCTS ARE TO HAVE SLOW RADIUS BENDS
- EXTERNAL LIGHTING IS TO BE OPERATED BY ASTRONOMICAL TIME CLOCK COMPLETE WITH MANUAL OVERRIDE SWITCH. TIME SETTING DETAILS TBC ON SITE



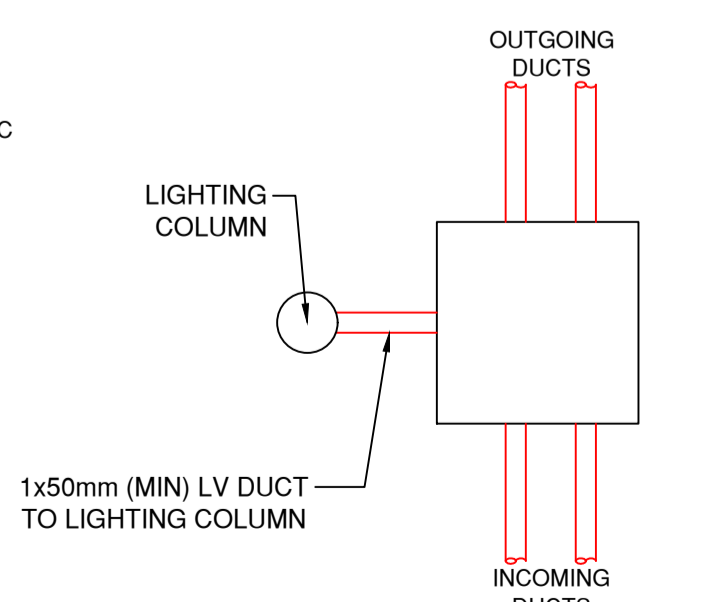
LUX PLOT LEGEND				
SYMBOL	DESCRIPTION	AVG	MIN	MIN/AVG
+	CYCLE STORAGE	17 LUX	16 LUX	0.94
+	ENTRANCE (50 AVE 0.4 Uo)	51 LUX	48 LUX	0.94
+	LOADING BAYS (50 AVE 0.4 Uo)	54 LUX	46 LUX	0.85
+	PARKING MAIN (10 AVE 0.25 Uo)	22 LUX	10 LUX	0.45
+	PARKING OUTSIDE RECEPTION (10 AVE 0.25 Uo)	27 LUX	10 LUX	0.37
+	PARKING VANS (10 AVE 0.25 Uo)	35 LUX	21 LUX	0.60
+	PERIMETER (10 AVE 0.25 Uo)	11 LUX	3 LUX	0.27
+	SERVICE YARD (30 AVE 0.4 Uo)	32 LUX	13 LUX	0.41
+	SITE ENTRANCE (10 AVE 0.4 Uo)	12 LUX	7 LUX	0.58
+	SPILL LIGHT	1 LUX	0 LUX	0.00

EXTERNAL LIGHTING COLUMN SLEEVE DETAILS		
LIGHTING COLUMN HEIGHT	SLEEVE SIZE	HOLE IN SLEEVE HALF WAY UP
3M, 4M & 5M	800mm LONG 300mm WIDE	100mm
6M	1000mm LONG 400mm WIDE	100mm
8M	1200mm LONG 400mm WIDE	100mm
10M	1600mm LONG 450mm WIDE	100mm
12M	1700mm LONG 450mm WIDE	100mm

LEGEND OF EXTERNAL LIGHTING SYMBOLS					
SYMBOL	DESCRIPTION	QUANTITY	WEIGHTS	LLMW	WINDAGE
EX1	200W (2200LM) D-SERIES 1 LUMINAIRE WITH FORWARD THROW OPTIC, WALL MOUNTED AT 6M - DSX1.2.LA224.FW - HOLOPHANE	4	12.2 kg	110	0.09
EX2	162W (10000LM) D-SERIES 0 LUMINAIRE WITH FORWARD THROW OPTIC, TWIN HEAD COLUMN MOUNTED AT 6M - DSX0.1.LA104.FW.BLS - HOLOPHANE	2	8.0 kg	123	0.09
EX3	11W (2000LM) DENVER ID WALL WITH LONG AND NARROW THROW OPTIC, WALL MOUNTED AT 5M - DWL.1.LA024.NR.W011 - HOLOPHANE	2	6.5 kg	155	N/A
EX4	6.5W (1000LM) DENVER ID WALL WITH LONG AND NARROW THROW OPTIC C/W PIR, WALL MOUNTED AT 3.5M - DWL.1.LA014.NR.W007.PLO - HOLOPHANE	10	6.5 kg	127	N/A



TYPICAL LIGHTING COLUMN AND
DRAW PIT SECTION 'DETAIL A'



TYPICAL LIGHTING COLUMN AND
DRAW PIT PLAN 'DETAIL 1'

P2	EX4 FITTINGS AMENDED TO INCORPORATE PIR SENSORS. CHANGES CLOUDED.	LH	20/11/2023
P1	PRELIMINARY ISSUE.	LH	02/11/2023
Rev.	Description	By	Date

PRELIMINARY



Project **UNIT 3 WINGATES,
BOLTON**

Title **UNIT 3 EXTERNAL LIGHTING
& LUX PLOT LAYOUT**

Scale **1:500** Drg. Size **A1** Date **02.11.2023**

Drawn **LH** Checked **TW** Approved **XX**

Drg. No. **P23012-EBM-EX-XX-DR-E-0931** Rev. **P2**

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