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- Notes:
- The installation and design shall comply with the Occupational Health and Safety Act, and all Regulations.
 - All dimensions shown in millimetres.
 - This drawing shall be read in conjunction with all associated equipment schedules and mechanical, electrical, structural and architectural drawings.
 - All service routes, equipment locations & service/maintenance space shall be checked against fully detailed architectural, structural & specialist service drawings.
 - All dimensions shall be checked on site.
 - The contractor shall fully comply with all relevant standards, regulations, standard codes of practice, methods of working, and good practice.
 - Coordination working drawings, installation drawings and builderswork drawing shall be prepared by the contractor.
 - Dimensions shall not be scaled from the drawing. The contractor shall be responsible for obtaining all dimensions and levels on site for actual setting out of works

- Specific Notes:
- Lighting to be controlled by photocell down to dusk operation with manual over-ride switch.
 - Lighting installation to comply with ILP Guidance Note GN01 'The Reduction of Obtrusive Light', BS EN 12464-2 and other relevant regulations.
 - The site location is considered to be within Environmental Zone E3.
 - Luminaires shall have 2700 K light colour to minimise impact on nocturnal wildlife.
 - Rear shield accessory shall be provided to luminaires as necessary to limit light spill to minimum.
 - Glare rating (GR max) limits on nearby roads to be as per CIE 112-1994, i.e. 45 (Normal Traffic)
 - Luminous intensity limits for maintained views of occupants of the neighboring properties to be as per Table 3 of CIE 150-2017.
 - The scheme shall generally consist of luminaires with 0% Upward Light Ratio.
 - External plant areas to be provided with local wall mounted luminaires as required to achieve the specified lighting levels.

P3	05/09/2025	YS	PLANNING ISSUE
P2	01/08/2025	AO	PLANNING ISSUE
P1	03/04/2025	YJ	PLANNING ISSUE
REV	DATE	CHKD	DESCRIPTION

PRELIMINARY

REID

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Client
GLEAVE PARTNERSHIP LTD

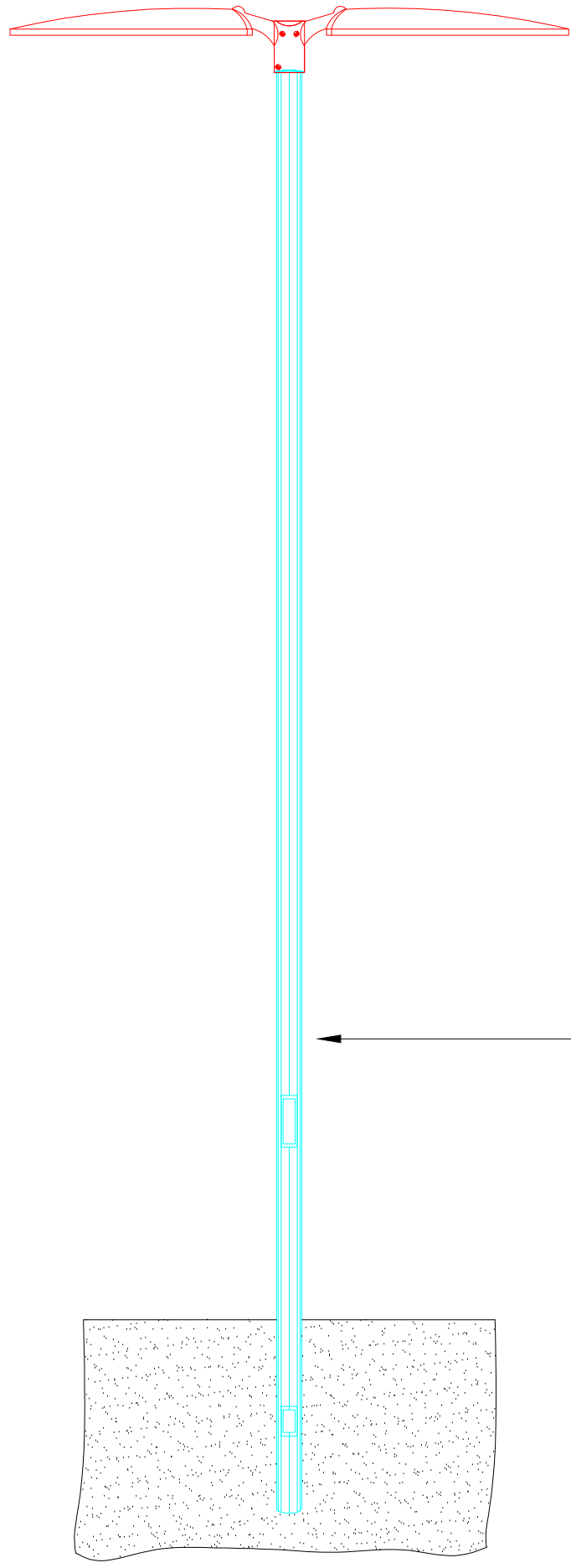
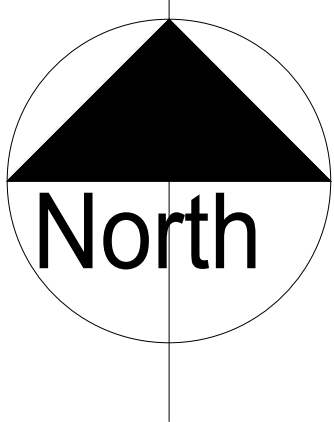
Project
HEATHROW LYSARA

Title
ELECTRICAL SERVICES
EXTERNAL LIGHTING LAYOUT

Designed YJ	Checked AO	Drawn AL	Rev P3
Scale As Indicated@A1	Date Created MAR 25		

Dwg No.
W.003850-RED-XX-XX-DR-E-2300

Project No.	Company	Volume	Level	Doc Type	MEP	Seq No.
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A DETAIL

TYPICAL TWIN SURFACE MOUNTED COLUMN

NTS

1 PLAN

PROPOSED SITE PLAN

1:500

SCHEDULE							
SYMBOL	LABEL	IMAGE	QUANTITY	CATALOG NUMBER	DESCRIPTION	LUMENS PER LAMP	WATTAGE
	A1		2	DSX0.4.LA034.RCCO (TZ)	D-SERIES 0 - AREA LUMINAIRE, SINGLE HEAD COLUMN MOUNTED @ 4m - CORNER CUT OFF OPTIC	2135	21
	B1		5	DSX0.4.LA034.AY (TZ)	D-SERIES 0 - AREA LUMINAIRE, SINGLE HEAD COLUMN MOUNTED @ 4m	2908	20
	B2		2	DSX0.4.LA034.AY (TZ)	D-SERIES 0 - AREA LUMINAIRE, TWIN HEAD COLUMN MOUNTED @ 4m	2908	40
	C1		9	DSX0.4.LA034.BLC (TZ)	D-SERIES 0 - AREA LUMINAIRE, SINGLE HEAD COLUMN MOUNTED @ 4m - BACK LIGHT CUT OFF	2115	20
	D		55	CSVT.1.LM0348.M1.SY	CSVT LED BATTEN - INTERNAL LUMINAIRE, MOUNTED UNDER CANOPY.	3003	21
	D/PIR		10	CSVT.1.LM0348.M1.SY.PL1	CSVT LED BATTEN - INTERNAL LUMINAIRE, MOUNTED UNDER CANOPY. PIR CAPABLE OF DIMMING TO 30%.	3003	21
	FW		3	DWL.1.LA014.AY.W007	DENVER ID WALL. HEIGHTS TBC.	864	6.5
	G1		4	DSX0.4.LA134.AY.(DSX0.40LED BLS) (TZ)	D-SERIES 0 - AREA LUMINAIRE WITH BACK LIGHT SHIELD. SINGLE HEAD COLUMN MOUNTED @ 6m	10924	90
	H2/PIR		1	DSX0.4.LA084.BLC.TZ02.PH1 (TZ)	D-SERIES 0 - AREA LUMINAIRE WITH BACK LIGHT CUT OFF OPTIC. TWIN HEAD COLUMN MOUNTED @ 6m. PIR CAPABLE OF DIMMING TO 50%.	5641	112

STATISTICS				
DESCRIPTION	SYMBOL	AVG	MIN	MIN/AVG
CANOPY PARKING	+	39 Lux	12 Lux	0.31
CANOPY PARKING	+	38 Lux	12 Lux	0.32
CANOPY PARKING	+	42 Lux	14 Lux	0.33
CANOPY PARKING	+	41 Lux	12 Lux	0.29
CANOPY PARKING	+	40 Lux	12 Lux	0.30
CANOPY PARKING	+	41 Lux	14 Lux	0.34
CANOPY PARKING	+	33 Lux	12 Lux	0.36
CYCLES	+	9 Lux	3 Lux	0.33
ENTRANCE ROAD - 20Lux / 0.2Uo	+	20 Lux	7 Lux	0.35
MAIN PARKING AREA - 10Lux / 0.25Uo	+	11 Lux	4 Lux	0.36
MAINTENCE BAYS - 10Lux / 0.25Uo	+	10 Lux	4 Lux	0.40
PARKING - 10Lux / 0.25Uo	+	14 Lux	6 Lux	0.43
PARKING ROADWAY 10Lux / 0.25Uo	+	15 Lux	4 Lux	0.27
PARKING ROADWAY - 10Lux / 0.25Uo	+	13 Lux	4 Lux	0.31
SPILL	+	0 Lux	0 Lux	N/A
WALKWAY - 5Lux / 0.25Uo	+	13 Lux	7 Lux	0.54
WALKWAY - 5Lux / 0.25UO	+	8 Lux	6 Lux	0.75
WALKWAY - 5Lux / 0.25Uo	+	8 Lux	2 Lux	0.25

Note:
EV Charging Points are assumed to have self-illuminated displays. No Emergency Luminaires in this design.

THE FOLLOWING DESIGN INFORMATION HAS BEEN USED IN THE PRODUCTION OF THIS DRAWING.				
Drawing Description	Drawing Number	Issue No.	Revision	Date
ARCHITECTURAL PLANS:				
EXTERNAL LIGHTING LAYOUT	P155-2766	-	C	13.03.2025