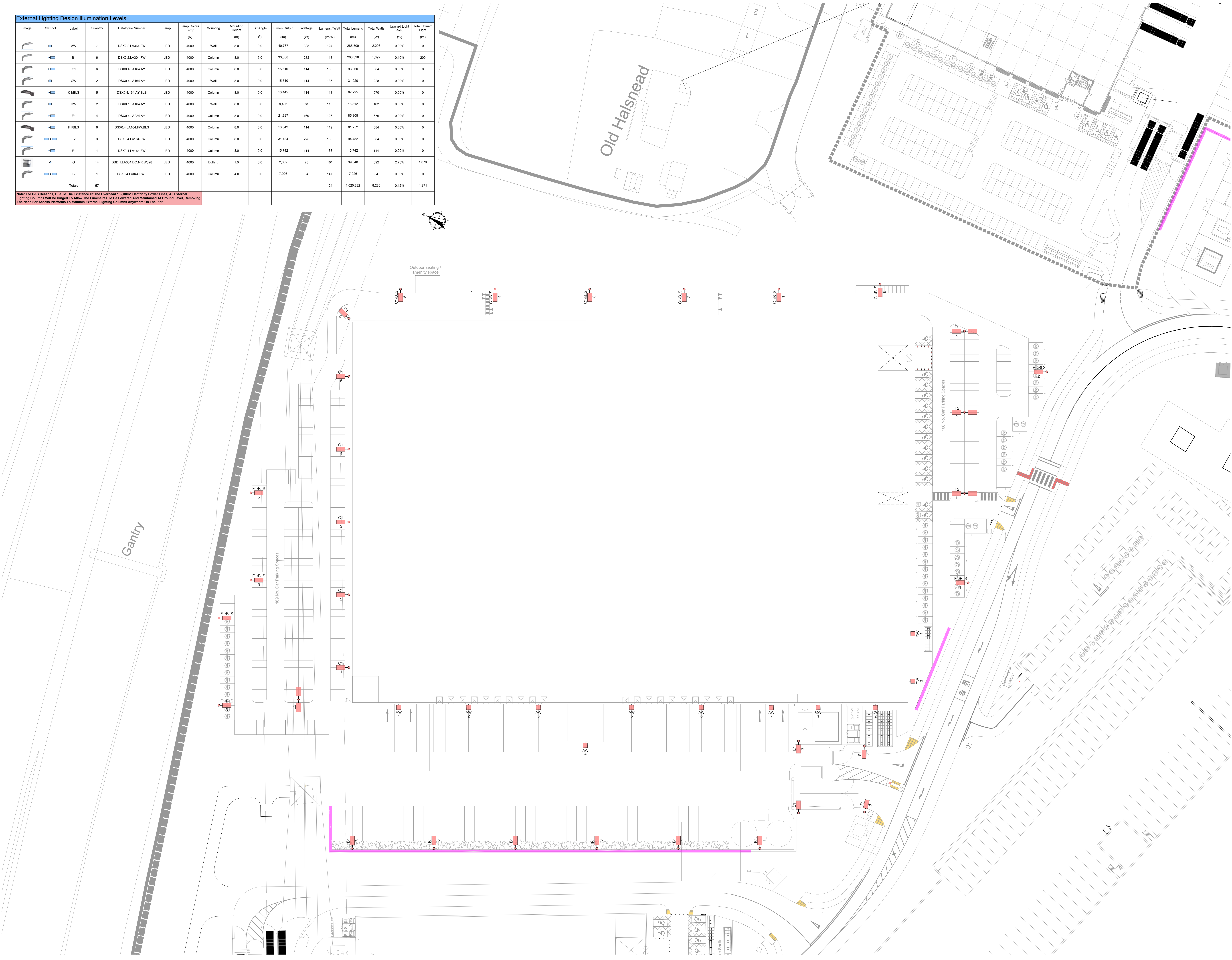


External Lighting Design Illumination Levels																		
Image	Symbol	Label	Quantity	Catalogue Number	Lamp	Lamp Colour Temp (K)	Mounting	Mounting Height (m)	Tilt Angle (°)	Lumen Output (lm)	Wattage (W)	Lumens / Watt (lm/W)	Total Lumens (lm)	Total Watts (W)	Upward Light Ratio (%)	Total Upward Light (lm)		
	AW	AW	7	DSK2.2.LA364.FW	LED	4000	Wall	8.0	0.0	40,787	328	124	285,509	2,296	0.00%	0		
	B1	B1	6	DSK2.2.LA304.FW	LED	4000	Column	8.0	5.0	33,388	282	118	200,328	1,692	0.10%	200		
	C1	C1	6	DSK0.4.LA164.AY	LED	4000	Column	8.0	0.0	15,510	114	136	93,060	684	0.00%	0		
	CW	CW	2	DSK0.4.LA164.AY	LED	4000	Wall	8.0	0.0	15,510	114	136	31,020	228	0.00%	0		
	C1BLS	C1BLS	5	DSK0.4.164.AY.BLS	LED	4000	Column	8.0	0.0	13,445	114	118	67,225	570	0.00%	0		
	DW	DW	2	DSK0.1.LA104.AY	LED	4000	Wall	8.0	0.0	9,406	81	116	18,812	162	0.00%	0		
	E1	E1	4	DSK0.4.LA224.AY	LED	4000	Column	8.0	0.0	21,327	169	126	85,308	676	0.00%	0		
	F1BLS	F1BLS	6	DSK0.4.LA164.FW.BLS	LED	4000	Column	8.0	0.0	13,542	114	119	81,252	684	0.00%	0		
	F2	F2	3	DSK0.4.LA164.FW	LED	4000	Column	8.0	0.0	31,484	228	138	94,452	684	0.00%	0		
	F1	F1	1	DSK0.4.LA164.FW	LED	4000	Column	8.0	0.0	15,742	114	138	15,742	114	0.00%	0		
	G	G	14	DS0.1.LA034.DO.NRW028	LED	4000	Bollard	1.0	0.0	2,832	28	101	39,648	392	2.70%	1,070		
	L2	L2	1	DSK0.4.LA044.FWE	LED	4000	Column	4.0	0.0	7,926	54	147	7,926	54	0.00%	0		
Totals			57											124	1,020,282	8,236	0.12%	1,271
Note: For H&S Reasons, Due To The Existence Of The Overhead 132,000V Electricity Power Lines, All External Lighting Columns Will Be Hinged To Allow The Luminaires To Be Lowered And Maintained At Ground Level, Removing The Need For Access Platforms To Maintain External Lighting Columns Anywhere On The Plot																		



External Lighting

Key

Column Mounted Luminaire

Wall Mounted Luminaire

Lighting Bollard

3	08	Updated To Sul Architects Masterplan Drawing Number 08/23855-UMC-3000-St-DR-A-067-Illustrative Masterplan-P08 FOR APPROVALS	TRF	JW
2	26	Updated To Sul Architects Masterplan Drawing Number 26/23855-UMC-3000-St-DR-A-067-Illustrative Masterplan-P08 FOR APPROVALS	TRF	JW
1	11	FOR APPROVALS	TRF	JW

Hannan Associates Ltd

Beta House

Alphington Drive

Manchester Road

Denton

M4 5SH

Tel: +44 (0)161 337 2200

Email: info@hannan-uk.com

Web: www.hannan-uk.com

A TRITAX BIG BOX COMPANY

Symmetry Park

Merseyside

Project Name

Planning

Site Plan - Unit 03

Electrical Services

External Lighting Design Layout

4032

1:400

02514 - HAN - PL - 03 - DR - E - 006351

This drawing is the property of Hannan Associates. It must not be copied or sent to any third party without the written consent of Hannan Associates, and must be returned upon request.