External Lighting Design Illumination Levels

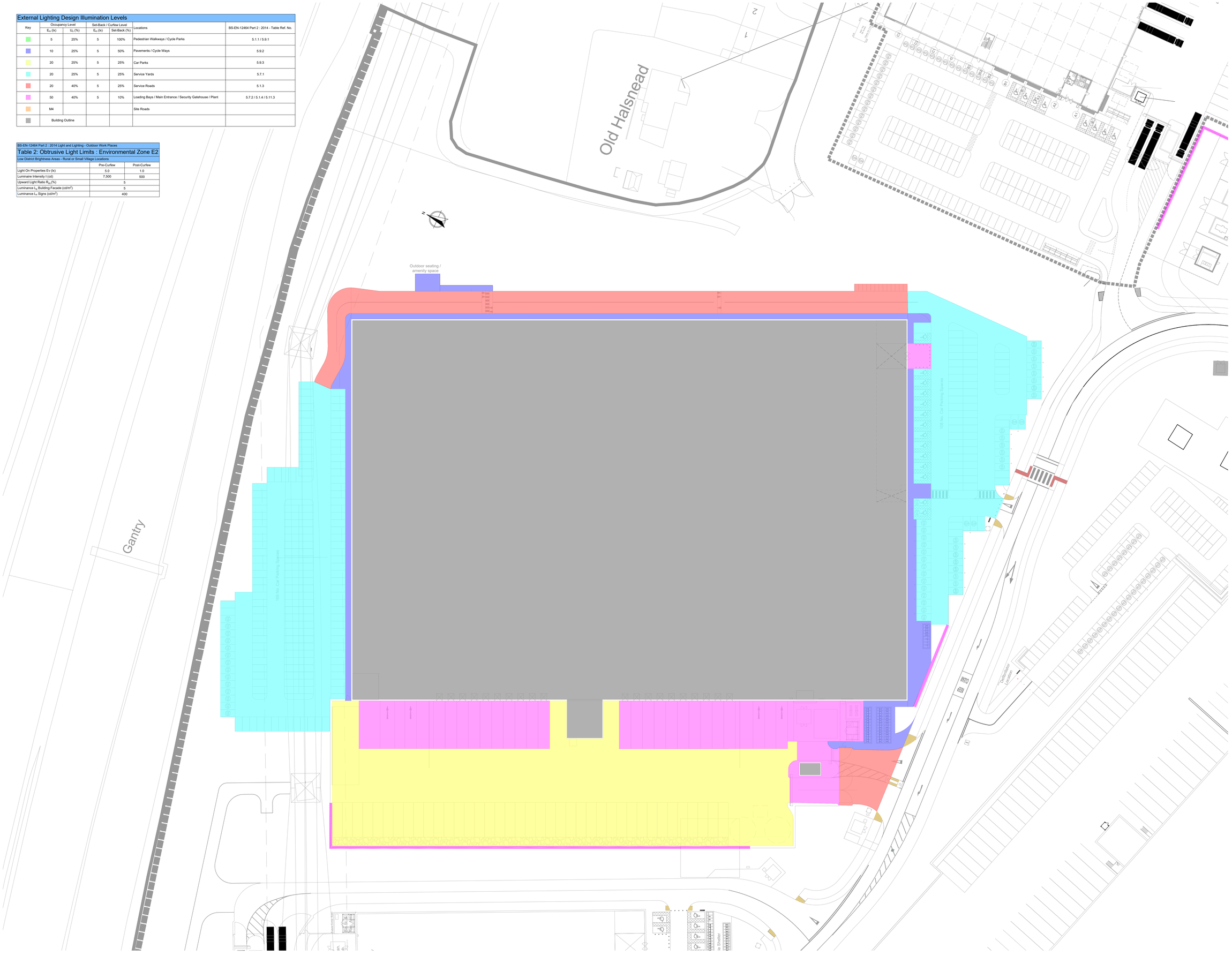
Key	Occupancy Level		Set-Back / Curfew Level		Locations	BS-EN-12464 Part 2 : 2014 - Table Ref. No.
	E_m (lx)	U_L (%)	E_m (lx)	Set-Back (%)		
	5	25%	5	100%	Pedestrian Walkways / Cycle Parks	5.1.1 / 5.9.1
	10	25%	5	50%	Pavements / Cycle Ways	5.9.2
	20	25%	5	25%	Car Parks	5.9.3
	20	25%	5	25%	Service Yards	5.7.1
	20	40%	5	25%	Service Roads	5.1.3
	50	40%	5	10%	Loading Bays / Main Entrance / Security Gatehouse / Plant	5.7.2 / 5.1.4 / 5.11.3
	M4				Site Roads	
	Building Outline					

BS-EN-12464 Part 2 : 2014 Light and Lighting - Outdoor Work Places

Table 2: Obtrusive Light Limits : Environmental Zone E2

Low District Brightness Areas - Rural or Small Village Locations

	Pre-Curfew	Post-Curfew
Light On Properties Ev (lx)	5.0	1.0
Luminaire Intensity I (cd)	7,500	500
Upward Light Ratio R_{UL} (%)	5	
Luminance L_b Building Facade (cd/m²)	5	
Luminance L_s Signs (cd/m²)	400	



This drawing was produced in AutoCAD. DO NOT change manually.
DO NOT scale from this drawing. The contractor must verify all site dimensions.

Issue	Date	Description	Drawn	Checked
3	09.09.25	Updated To Suit Architects Masterplan Drawing Number 22605-UMC-XXXX-SI-DR-A-0671-Illustrative Masterplan-P18 FOR APPROVALS	TRF	JW
2	26.08.25	Updated To Suit Architects Masterplan Drawing Number 22605-UMC-XXXX-SI-DR-A-0671-Illustrative Masterplan-P09 FOR APPROVALS	TRF	JW
1	28.11.24	FOR APPROVALS	TRF	JW

Hannan Associates
MEP Design Solutions

Hannan Associates Ltd
Beta House
Alphagate Drive
Manchester Road
Denton
M34 3SH
Tel : ++44 (0)161 337 2200
Email : info@hannan-uk.com
Web : www.hannan-uk.com

Client
TRITAX SYMMETRY
A TRITAX BIG BOX COMPANY

Project
Symmetry Park
Merseyside

Design Stage
Planning

Drawing Title
Site Plan - Unit 03
Electrical Services
External Lighting Design Strategy

HAN Project Number: 4032
Scale @ A0: 1:400

Drawing Number
02514 - HAN - PL - 03 - DR - E - 006341

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