

These details are confidential to illustrate the engineering services only for the purpose intended. Arrange to suit current architectural and structural details which may vary to some degree from these details. This drawing must be viewed and printed using Adobe Acrobat Version 9.0 or above when using as a PDF format. Do not scale from this drawing in either paper or digital format. To check the drawing has been printed at the intended scale this bar should be 25mm long at A3, 50mm long at A1 and 75mm long at A0.

Notes

- THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ALL OTHER CONTRACT DOCUMENTATION.
- LIGHTING LEVEL DESIGNED TO LGS & BS12464-2
- THE ILP GUIDANCE NOTES FOR THE REDUCTION OF OBTRUSIVE LIGHT WILL BE FOLLOWED TO MINIMISE THE IMPACT TO THE SURROUNDING ENVIRONMENT. ILP ENVIRONMENTAL ZONE ASSUMED TO BE E3 (SMALL TOWN CENTRES OR SUBURBAN LOCATIONS).
- TIME SWITCH CONTROL SHALL BE PROVIDED TO FACILITATE TURNING OFF THE LIGHTS BEYOND CERTAIN TIME WHEN LIGHTING IS NOT REQUIRED (TYPICALLY 10:30PM TO 5:00AM).
- ALL EXTERNAL LIGHTING TO COMPLY WITH THE AOA 'SAFEGUARDING OF AERODROMES ADVICE NOTE 2, LIGHTING NEAR AERODROMES', I.E. LIGHTING WILL DESIGNED WITH NO UPWARD LIGHT OUTPUT.

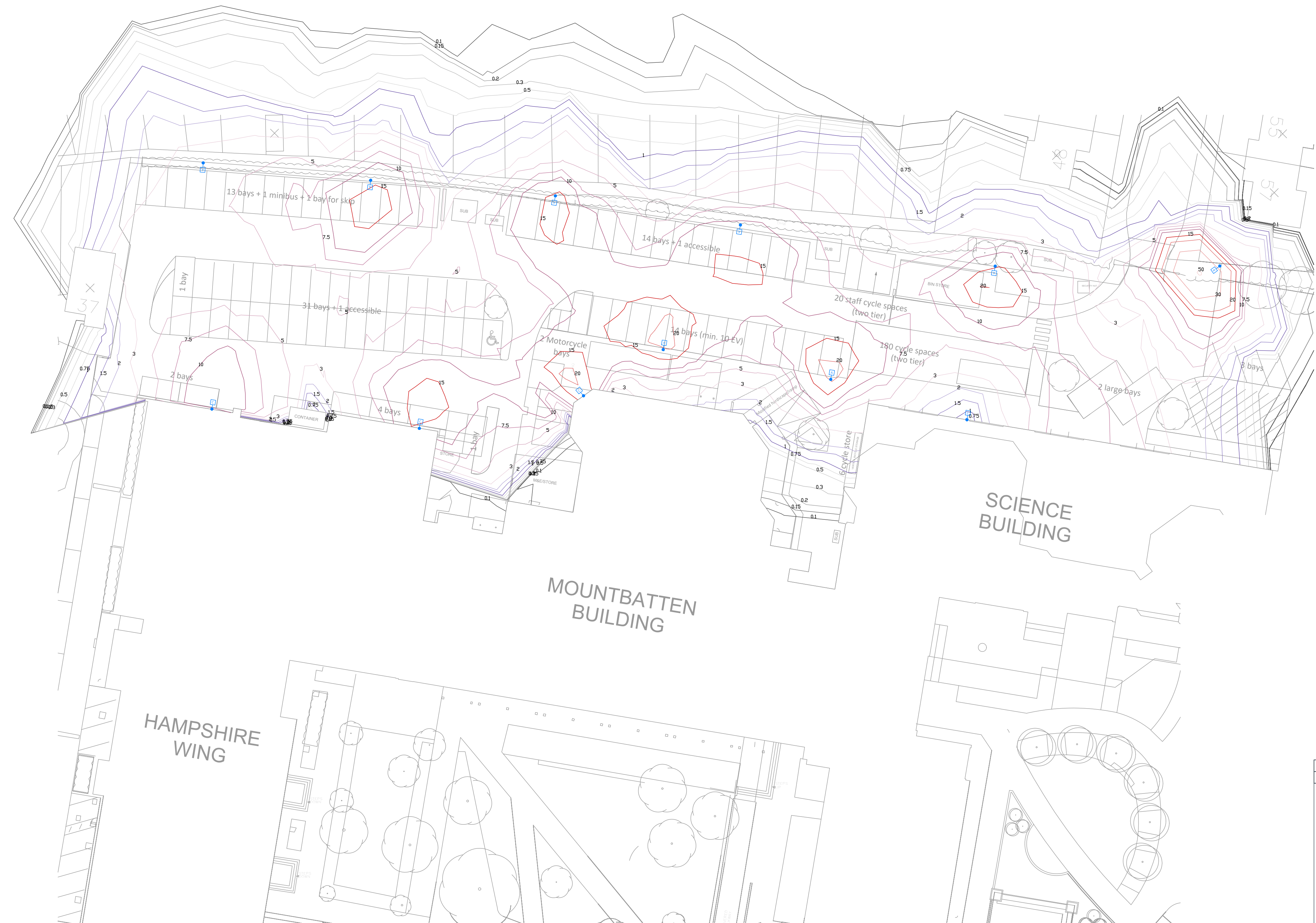
Table 2: Environmental zones

Zone	Surrounding	Lighting environment	Examples
E0	Protected	Dark (SQM 20.5+)	Astronomical Observable dark skies, UNESCO starlight reserves, IDA dark sky places
E1	Natural	Dark (SQM 20 to 20.5)	Relatively uninhabited rural areas, National Parks, Areas of Outstanding Natural Beauty, IDA buffer zones etc.
E2	Rural	Low district brightness (SQM ~15 to 20)	Sparsely inhabited rural areas, village or relatively dark outer suburban locations
E3	Suburban	Medium district brightness	Well inhabited rural and urban settlements, small town centres of suburban locations
E4	Urban	High district brightness	Town / City centres with high levels of night-time activity

Table 3 (CIE 150 table 2): Maximum values of vertical illuminance on premises

Light technical parameter	Application conditions	Environmental zone				
		E0	E1	E2	E3	E4
Illuminance in the vertical plane (E _v)	Pre-curfew	n/a	2 lx	5 lx	10 lx	25 lx
	Post-curfew	n/a	<0.1 lx*	1 lx	2 lx	5 lx

NOTE 3



LUMINAIRE SCHEDULE				
SYMBOL	TYPE	MANUFACTURER & MODEL	REMARKS	PHOTO
	COLUMN MOUNTED LUMINAIRE	THORLUX STARBEAM 22W (3775lm), 4000K, AREA STANDARD OPTIC	MOUNTED ON 5M COLUMNS	
	COLUMN MOUNTED LUMINAIRE	THORLUX STARBEAM 22W (3775lm), 4000K, AREA STANDARD OPTIC	INSTALL WITH BACK BAFFLE (SB20925). MOUNTED ON 3M COLUMNS	
	WALL MOUNTED LUMINAIRE	THORLUX STARBEAM 22W (3775lm), 4000K, AREA STANDARD OPTIC	COMPLETE WITH WALL MOUNT BRACKET SB15808	

1	PRELIMINARY	AG	AG	AG	01.05.2026
REV	AMENDMENTS	DRAWN	CHECKED	APPROVED	DATE
CLIENT BARTON PEVERIL COLLEGE					
PROJECT MOUNTBATTEN CARPARK					
TITLE EXTERNAL LIGHTING ISOLINE PLOTS FOR PLANNING					
DRAWING NUMBER 13246-CBG-XX-EX-DR-E-20001		SCALE NTS@A0		 www.cbgc.com OXFORD LONDON T:01865 864500 T:020 7387 4175 ©CBG Consultants Ltd	
STATUS PRELIMINARY		REVISION 1			

DO NOT SCALE