

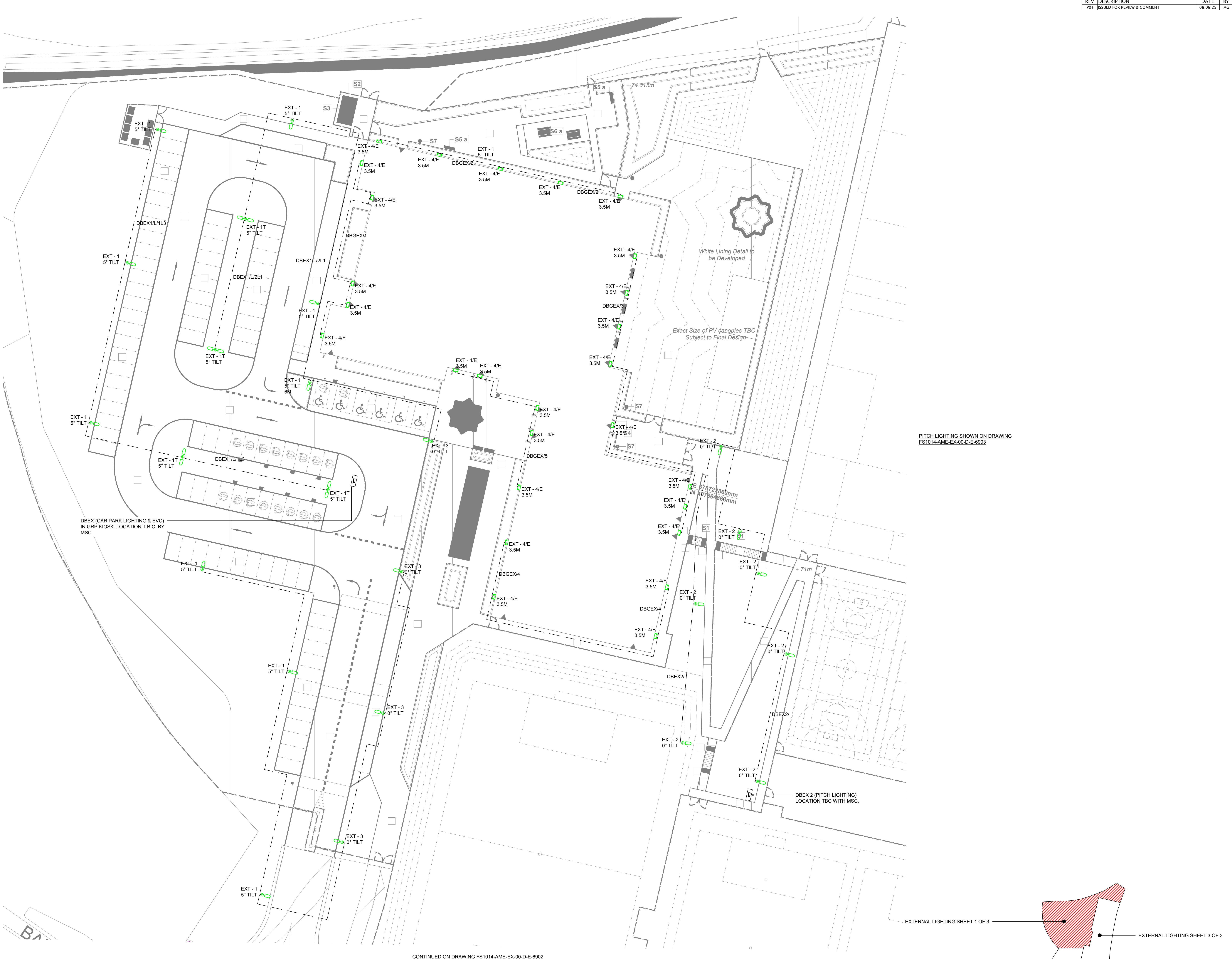
NOTES:
All dimensions must be checked on site and not scaled from this drawing.

NOTES

1. THE EXACT POSITION OF ALL SERVICES AND EQUIPMENT SHALL BE AGREED BY THE CONTRACT ADMINISTRATOR.
2. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ALL MECHANICAL, ELECTRICAL, ARCHITECTURAL AND STRUCTURAL DRAWINGS, CONTRACT DOCUMENTATION, SCHEDULES AND SPECIFICATION FOR THE WORKS.
3. ALL DIMENSIONS SHOWN ARE IN MILLIMETRES UNLESS OTHERWISE STATED.
4. DO NOT SCALE FROM THIS DRAWING.
5. THE ELECTRICAL INSTALLATION SHALL BE IN INSTALLED ACCORDANCE WITH THE 18TH EDITION OF IEE WIRING REGULATIONS BS7671 (REQUIREMENTS FOR ELECTRICAL INSTALLATIONS) INCLUDING AMENDMENT 2.
6. LIGHTING IS DESIGNED IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE DFE TECHNICAL ANNEX 2E: DAYLIGHT & ELECTRIC LIGHTING. SLL LIGHTING GUIDE 5: LIGHTING FOR EDUCATION & BSEN 14442-2 LIGHTING OF WORKPLACES - OUTDOOR WORKPLACES.
7. LIGHTING SHALL BE PROVIDED TO MINIMISE LIGHT SPILL AND NUISANCE. LIGHTING SHALL BE DESIGNED IN LINE WITH THE REQUIREMENTS OF THE RELEVANT I.P. GUIDANCE NOTES ON OBTRUSIVE LIGHT (GN01:2021).
8. BUILDING MOUNTED LUMINAIRES SHALL BE WIRED FROM INSIDE THE BUILDING AND NO CIRCUITRY SHALL BE VISIBLE FROM THE OUTSIDE.
9. EXTERNAL EMERGENCY LUMINAIRES SHALL BE LOCATED ADJACENT EACH FINAL EXIT DOOR. EXTERNAL EMERGENCY LIGHTING SHALL BE PROVIDED FROM FINAL EXITS.
10. THE INTENDED HOURS OF OPERATION FOR THE SITE ARE AS FOLLOWS: MONDAY TO FRIDAY - 8:30AM TO 10:00PM. SATURDAY AND SUNDAY - 8:00AM TO 8:00PM.
11. THE EXTERNAL LIGHTING WHICH COVERS MAIN ACCESS ROADS, CAR PARK AREAS AND THE BUILDING PERIMETERS SHALL BE CONTROLLED VIA PHOTOCELL / TIMECLOCK ARRANGEMENT WITH MANUAL OVERRIDE.
12. THE EXTERNAL LIGHTING DESIGN HAS BEEN DESIGNED TO PROVIDE SAFE & SECURE ACCESS AND MOVEMENT THROUGHOUT THE SITE DURING THE PROPOSED HOURS OF OPERATION. AT CERTAIN PARTS OF THE SITE THE REQUIREMENTS FOR SAFE VEHICLE AND PEDESTRIAN ACCESS TAKES PRECEDENCE OVER THE RECOMMENDATIONS WITHIN THE ECOLOGY / BAT EMERGENCE REPORTS RECOMMENDING THE REDUCTION OF LUX LEVELS TO 3 LUX AT GROUND LEVEL.
13. THE EXTERNAL LIGHTING DESIGN HAS BEEN DEVELOPED TO ENSURE THAT THERE IS MINIMAL LIGHT SPILL ON THE VEGETATED BOUNDARY OF THE SITE, COLUMNS KEPT TO A REDUCED HEIGHT WITHOUT IMPACTING ON LIGHTING LEVELS AND ENSURING NO OBTRUSIVE UPWARD LIGHT GLARE.

LUMINAIRE SCHEDULE			
Ref	Description	Lumen Output / Wattage	Image
EXT - 1 ☐	MISTRAL SMALL AREA OPTIC, 4000K, ON 6M COLUMN	5148lm / 34.6W	
EXT - 1T ☐	MISTRAL SMALL AREA OPTIC, 4000K, ON 6M COLUMN, TWIN ARM	5148lm / 34.6W	
EXT - 2 ☐	MISTRAL SMALL PATH OPTIC, 4000K, ON 6M COLUMN	3001lm / 17.9W	
EXT - 3 ☐	MISTRAL MIDI SQUARE OPTIC, 4000K ON 6M COLUMN	14541lm / 95W	
EXT - 4 ☐	SPECTRE WX WALL MOUNTED AT 3500MM	1119lm / 9W	
SUFFIX 'E'	DENOTES INTEGRAL EMERGENCY	N/A	

AREA	TARGET LUX	AVG LUX	MAX	MIN	TARGET Uo	ACTUAL Uo
BUILDING PERIMETER H	5lx	13.4lx	27.5lx	3.4lx	0.25Uo	0.25Uo
WALKWAY	5lx	19.4lx	43.7lx	6.7lx	0.25Uo	0.35Uo
DROP OFF AREA	10lx	20.9lx	43.6lx	8.4lx	0.40Uo	0.40Uo
WALKWAY TO MUGA	5lx	10.4lx	20lx	3.7lx	0.25Uo	0.35Uo
ELECTRIC CAR PARK BAYS	10lx	16.2lx	38.2lx	8.7lx	0.40Uo	0.54Uo
ROADWAY	10lx	18.3lx	44.5lx	7.3lx	0.40Uo	0.40Uo
CAR PARK AREA	10lx	17.8lx	44.8lx	4.9lx	0.25Uo	0.27Uo



CONTINUED ON DRAWING FS1014-AME-EX-00-D-E-6902

EXTERNAL LIGHTING SHEET 1 OF 3

EXTERNAL LIGHTING SHEET 3 OF 3

EXTERNAL LIGHTING SHEET 2 OF 3

KEY PLAN

Client MORGAN SINDALL CONSTRUCTION	Job Title STAR RADCLIFFE ACADEMY, BURY	Drawing Title EXTERNAL LIGHTING LAYOUT SHEET 1 OF 3	Date 11.06.25	
			Scale NTS @A0	Drawn by AG
			Drawing Number FS1013-AME-EX-00-D-Z-6901	Revision P01