Drawing No. 1338B-NGB-XX-XX-DR-E-90001 | Rev C02

SAFETY, HEALTH & ENVIRONMENTAL INFORMATION

For details of site wide and general risks to be read in conjunction with these notes, refer to the following documents:

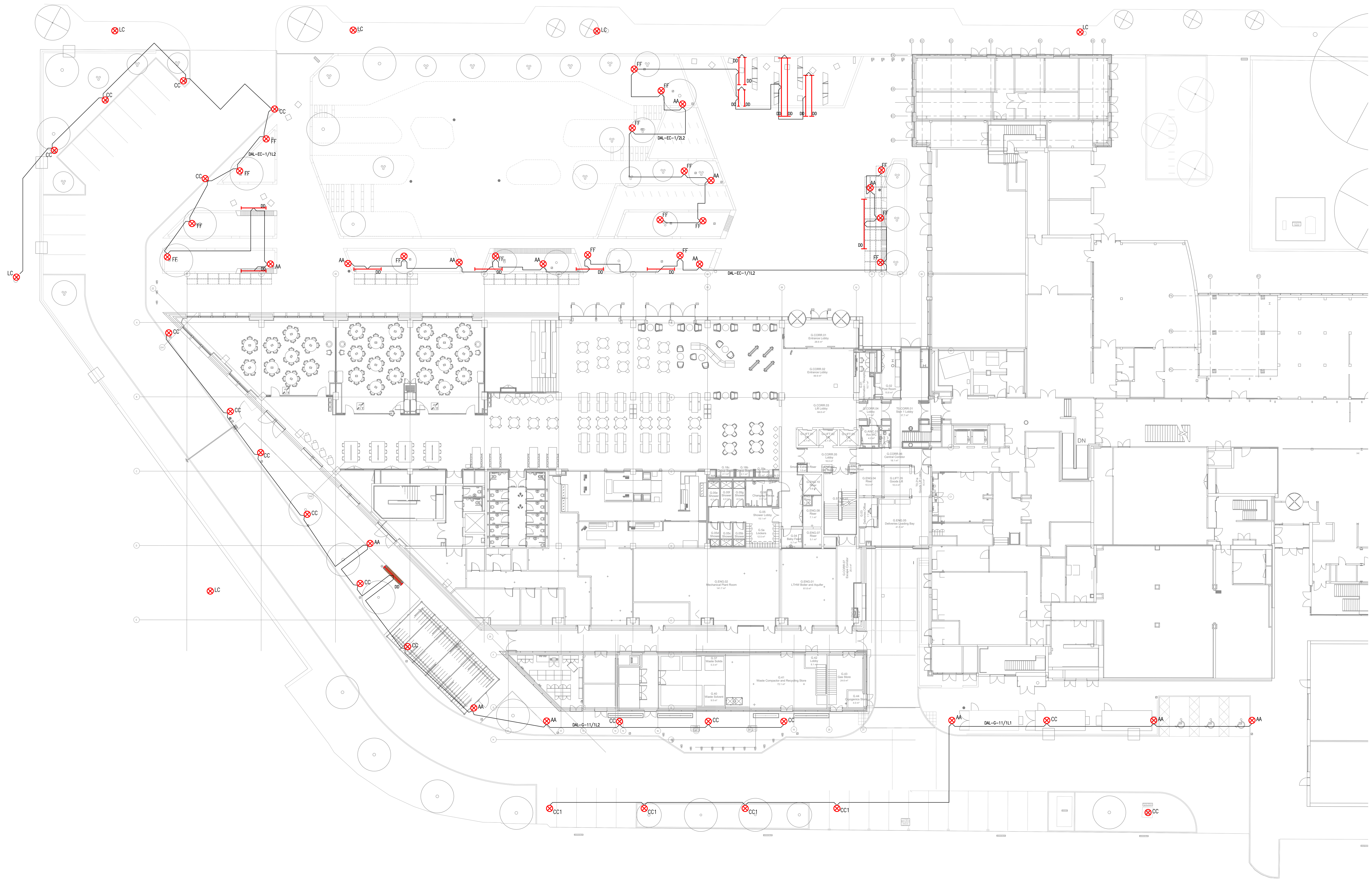
In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following;

Construction and Manufacture
FOR DETAILS OF ANY HAZOPS, REFER TO M52 SERIES DRAWING.

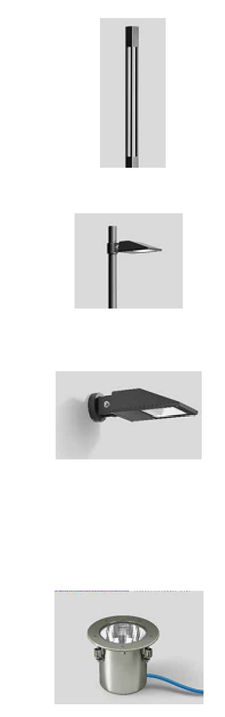
Maintenance, Cleaning and Operation
FOR DETAILS OF ANY HAZOPS, REFER TO M52 SERIES DRAWING.

Decommissioning and Demolition
FOR DETAILS OF ANY HAZOPS, REFER TO M52 SERIES DRAWING.

It is assumed that all works associated with this drawing will be carried out by competent operatives working, where appropriate, to an approved method statement.



LEGEND



BEGA 84065K3 43.5W LED EXTERNAL FEATURE COLUMN

BEGA 84247K3 25W LED EXTERNAL FEATURE COLUMN

BEGA 24351K3 25W LED WALL LUMINAIRE

LINEAR LED INTEGRAL TO THE EXTERNAL CONCRETE FURNITURE. (TO BE PROVIDED BY OTHERS)

BEGA 84351RK3 9.5W LED IN-GROUND UPLIGHTER LUMINAIRE

EXISTING EXTERNAL LIGHTING COLUMN

NOTES

1. THE EXTERNAL LIGHTING SHALL BE IN ACCORDANCE WITH BS 5489-1:2013, BS EN 12464-2:2014, BS 8300, ILP GUIDANCE NOTES ON OBTRUSIVE LIGHTING & SECURE BY DESIGN REQUIREMENTS.
2. EXTERNAL LIGHTING SHALL BE CONTROLLED VIA A PHOTOCELL (POSITION TO BE CONFIRMED BY CONTRACTOR & AGREED WITH ARCHITECT) & TIME SWITCH TO SWITCH OFF LUMINAIRES BETWEEN 11PM & 7AM. THERE SHALL BE A MANUAL OVERRIDE SWITCH LOCATED ADJACENT THE DISTRIBUTION BOARD.
3. LED LAMP COLOUR TEMPERATURES SHALL BE 3000K
4. REFER TO LUMINAIRE SCHEDULE FOR LUMINAIRE INFORMATION.

ACHIEVE EXTERNAL LIGHTING LEVELS AND UNIFORMITY

CALCULATION AREA	REQUIRED LUX LEVEL	ACHIEVED LUX LEVELS	REQUIRED UNIFORMITY	ACHIEVED UNIFORMITY
Access Road	10	25.7	0.25	0.28
Car Park 01	10	27.9	0.25	0.25
Car Park 02	10	39	0.25	0.25

EXTERNAL LUMINAIRE BREEAM DATA

FITTING REREFENCE	LAMP WATTS	CIRCUIT WATTS	LAMP LUMENS	Lm/WATT	LUMINAIRE LUMENS	COLOUR RENDERING	LOR %	ULOR %	ENE 03 COMPLIANT	COLOUR TEMP
AA	43.5	43.5	2641	60.7	2641	>=80	100	0	Y	3000K
CC	25	25	3256	130.2	3256	>=80	100	0	Y	3000K
CC1	25	25	3256	130.2	3256	>=80	100	0	Y	3000K
FF	9.5	9.5	841	88.5	841	>=80	100	0	Y	3000K
	TOTAL	103	9994							
	SITE AVERAGE		97.03							

Rev	Description	Date
C02	EXTERNAL LIGHTING POSITIONS AMENDED	13.12.23
C01	ISSUED FOR CONSTRUCTION	30.09.22
P01	PRELIMINARY ISSUE	20.04.22

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Client: Manchester Metropolitan University

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Design Manager: PL
Checked By: M Greenwood
Drawn By: J Parker

Title: External Services Lighting Layout

Issue Date: 21/12/23

Status: A1 - Approved and accepted | Scale: 1:200 | Sheet Size: A0 | Rev: C02

Drawing No. 1338B-NGB-XX-XX-DR-E-900001
[Project Code] [Originator] [Zone] [Level] [Type] [Role] [Number]

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