

Risk Register Reference	Hazard Description	Hazard Colour	Servery	Risk Rating	Risk Active at Approval	Risk Active at Construction
		Red - Major (Seek Advice)		(1-5)	(Y/N)	(Y/N)
		Amber - Review Risk Assessment		(1-5)	(Y/N)	(Y/N)
		Green - Caution		(1-5)	(Y/N)	(Y/N)
SCALE	LEVEL OF RISK	SCALE	CONSEQUENCE	SCALE	LIKELIHOOD	
EXCEPTIONAL	EXCEPTIONAL	CATASTROPHIC	VERY PROBABLE			
HIGH	ABOVE MODERATE	MAJOR	PROBABLE OR FREQUENT			
MODERATE	TYPICAL OR NORMAL	MODERATE	POSSIBLE			
LOW	BELOW MODERATE	MINOR				
VERY LOW	WELL BELOW MODERATE	TRIVIAL	REMOTE			

THIS RISK BOX IS FOR **GUIDANCE ONLY**. THE CONTENT HAS BEEN PRODUCED BY THE SES TEAM. IT IS IMPERATIVE THAT THE READER OF THIS DOCUMENT REVIEWS ALL **RAMS / RISK ASSESSMENTS / TECHNICAL DOCUMENTATION & METHOD STATEMENTS** BEFORE PROCEEDING.

001	Working At Height To Install Services	AMBER	3	Y	N	N
002	Slip, Trip & Falls	AMBER	2	Y	N	N
003	Mechanical Isolations	AMBER	2	Y	N	N
004	Electrical Isolations	AMBER	4	Y	N	N

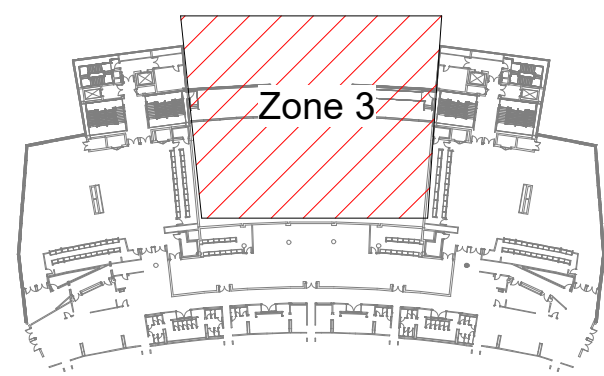
© THIS DRAWING IS CONFIDENTIAL AND MAY NOT BE USED, COPIED OR DISCLOSED TO ANYONE WITHOUT PERMISSION OF SES (ENGINEERING SERVICES)

DO NOT SCALE OFF THIS DRAWING

DRAWING STAGE DEFINITIONS (BSRIA BG62014)

STAGE 2 CONCEPT
STAGE 3B DEVELOPED DESIGN
STAGE 4A TECHNICAL DESIGN
STAGE 4B COORDINATED WORKING
STAGE 5 INSTALLATION DRAWING/RECORD

For full definitions refer to BSRIA BG62014 Table 1



KEY PLAN

CLIENT DIRECT FIT OUT - WHITEBOX AREAS

LIGHTING NOTES

- THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ALL RELEVANT STRUCTURAL, ARCHITECTURAL & CONSULTANTS DRAWINGS.
- THIS DRAWING SHALL BE READ IN CONJUNCTION WITH THE SERVICES SPECIFICATION & ASSOCIATED EQUIPMENT SCHEDULES.
- DO NOT SCALE FROM THIS DRAWING. ALL DIMENSIONS TO BE VERIFIED ON SITE.
- THIS DRAWING SHALL ONLY BE USED FOR THE SPECIFIC SERVICES INDICATED.
- ALL EQUIPMENT REQUIRED FOR THE SYSTEM SHALL BE PROVIDED AND INSTALLED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.
- ENSURE ALL EQUIPMENT AND SYSTEMS ARE INSTALLED TO PROVIDE ELECTROMAGNETIC COMPATIBILITY WITHIN THE SYSTEMS AND WITH ANY OTHER SYSTEMS INSTALLED IN THE SAME LOCATION.
- ALL EQUIPMENT LOCATED IN EXTERNAL OR WET AREAS SHALL BE SUITABLY IP RATED AND FIT FOR PURPOSE FOR THE ENVIRONMENT, MOUNTING POSITION AND ORIENTATION.
- FINAL COORDINATION AND SETTING OUT OF ALL SERVICES IS TO BE COMPLETED BY THE NOMINATED MEP CONTRACTOR.
- THE CONTRACTOR SHALL PROVIDE LIGHTING TO MEET WITH THE DESIGN AND SPECIFICATION, INCLUDING ALL LAMP SELECTIONS, COLOUR TEMPERATURES AND COLOUR RENDERING PROPERTIES.
- THE CONTRACTOR SHALL PROVIDE EMERGENCY LIGHTING THROUGHOUT INCLUDING ILLUMINATED LED EXIT SIGNAGE AS INDICATED ON THE ARCHITECTURAL DRAWINGS.
- THE COMPLETED INSTALLATION SHALL PROVIDE EMERGENCY EGRESS LIGHTING THROUGHOUT AND SHALL BE MAINTAINED FOR A MINIMUM OF THREE HOURS DURATION DURING A POWER FAILURE.
- NUMBER AND LOCATION OF EXIT SIGNS TO BE CONFIRMED TO SUIT FINAL ARCHITECTURAL LAYOUTS AND FIRE ENGINEERS REQUIREMENTS.
- IT IS THE CONTRACTORS RESPONSIBILITY TO ENSURE THAT THE EMERGENCY LIGHTING INSTALLATION PROVIDES ADEQUATE LUMINANCE AND UNIFORMITY IN EACH AREA TO CONFORM TO ALL RELEVANT BRITISH STANDARDS AND BUILDING REGULATIONS.
- LIGHTING LEVELS, UNIFORMITY ETC. SHALL MEET WITH CIBSE LIGHTING GUIDES.
- THE CONTRACTOR SHALL ENSURE THAT ALL CONTROL GEAR AND COMPONENTS OF THE SYSTEM ARE SUITABLE FOR LAMP TYPE, WATTAGE AND STARTING CHARACTERISTICS. OBTAIN FROM MANUFACTURERS WRITTEN CONFIRMATION OF COMPATIBILITY.
- ALL LUMINAIRES SHALL BE SUPPLIED WITH PHOTOMETRIC DATA IN ACCORDANCE WITH EN 13032-1. THE CONTRACTOR SHALL ENSURE THAT LUMINAIRES OF SIMILAR TYPE ARE PROVIDED WITH SAME PHOTOMETRIC PERFORMANCE AS PUBLISHED DATA WITHIN THE TOLERANCES DEFINED BY EN 13032-1.
- ALL LUMINAIRES SHALL BE SUPPLIED IN ACCORDANCE WITH EN 60598, WITH CLASSIFICATION TO EN 60598-1. ALL LUMINAIRES SHALL COMPLY WITH EN 61547 FOR EMC IMMUNITY.
- ALL LUMINAIRES SHALL BE PROVIDED COMPLETE WITH LAMP/CONTROL GEAR AS SPECIFIED WITHIN THE LUMINAIRE SCHEDULES.
- WHERE CONTROL GEAR IS REMOTE TO THE LUMINAIRE, LOCATE EQUIPMENT IN SEPARATE LOCKABLE CABINET OF SHEET STEEL WITH SAME DEGREE OF PROTECTION AND FINISH SPECIFIED FOR LUMINAIRE. COMPLY WITH MANUFACTURERS RECOMMENDATIONS FOR MAXIMUM CABLE LENGTH BETWEEN GEAR AND LAMP.
- ALL EMERGENCY LIGHTING LUMINAIRES SHALL COMPLY WITH BS 5266. THE CONTRACTOR SHALL ENSURE THAT ALL LUMINAIRES AS PART OF THE EMERGENCY LIGHTING INSTALLATION ARE MARKED WITH AN ICEL CERTIFICATION LABEL.
- GOOD WORKMANSHIP BY COMPETENT PERSONS OR PERSONS UNDER THEIR SUPERVISION AND PROPER MATERIALS SHALL BE USED IN THE ERECTION OF THE ELECTRICAL INSTALLATION. ELECTRICAL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE INSTRUCTIONS PROVIDED BY THE MANUFACTURERS OF THE EQUIPMENT.
- LIGHTING CONTROL SHALL BE PROVIDED BY LIGHTING CONTROLS SYSTEMS TO ENABLE SCENE SETTING, DIMMING AND AUTOMATED CONTROL AS REQUIRED.

L02 LIGHTING HEIGHTS

3900 AFFL
3500 AFFL
3200 AFFL
2700 AFFL
2500 AFFL
2400 AFFL

C02	JM	BG	12.05.25	Layout & Essential DB Locations & Circuitry Updated
C01	JBD	BG	23.01.25	Issued For Construction
P03	RJS	BG	05.12.24	Issued For Comments
P02	JBD	BG	30.08.24	Stage 4 Issue
P01	AR	BG	12.07.24	Stage 4 Issue
Rev	Dim	Ok'd	Date	Description

Scale: As indicated Original Size: A0

Status: A5 - FOR AUTHORISATION AS STAGE COMPLETE

Client: MANCHESTER CITY

Project: MCFC

Title: NORTH STAND LIGHTING LAYOUT LEVEL 02 ZONE 3

Drawing No: NSE-SEE-NS-02-DR-E-632431 Revision: C02

SES (Engineering Services) Ltd
Think Park
Building Three
Mosley Road
Trafford Park
Manchester
M17 1FQ
(T) 0161 945 5589
(W) www.ses-td.co.uk



L02-Upper Concourse Lighting - Zone 3

1 : 50