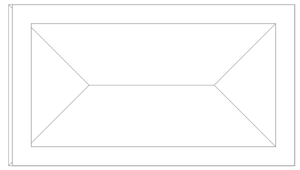
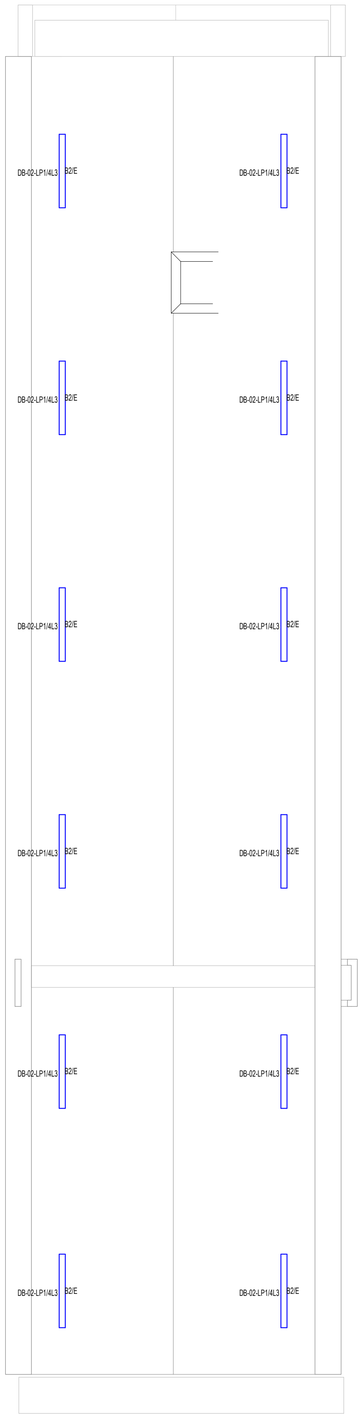
Rev C01

Drawing Number UOMRB-CAD-XX-RF-DR-E-63004

LUMINAIRES LEGEND	
LUMINAIRE REF.	LUMINAIRE TYPE
A1	1500mm CONTINUOUS LINEAR SUSPENDED LED LUMINAIRE - THORLUX KANBY ZIP LOW GLARE SMART (5490lm, 36W, IP40, SMARTSCAN, 4000k) KZ18989
A2	1500mm CONTINUOUS LINEAR SUSPENDED LED LUMINAIRE - THORLUX KANBY ZIP LOW GLARE SMART (3470lm, 22W, IP40, SMARTSCAN, 4000k) KZ18988
A3	1500mm SUSPENDED LED LUMINAIRE - THORLUX KANBY EVO LOW GLARE SMART (5490lm, 36W, IP40, SMARTSCAN, 4000k) KE18957
A4	1500mm SUSPENDED LED LUMINAIRE - THORLUX KANBY EVO LOW GLARE SMART (3470lm, 22W, IP40, SMARTSCAN, 4000k) KE18956
B1	1570mm LINEAR SURFACE MOUNTED LED LUMINAIRE - THORLUX THOROPROOF (3700lm, 23W, IP54, SMARTSCAN, 4000k) TP19775
B2	1570mm LINEAR SURFACE MOUNTED LED LUMINAIRE - THORLUX THOROPROOF (4900lm, 30W, IP54, SMARTSCAN, 4000k) TP19773
C1	1500mm CONTINUOUS LINEAR SUSPENDED LED LUMINAIRE - THORLUX KANBY ZIP OPAL SMART (3330lm, 22W, IP40, SMARTSCAN, 4000k) KZ18980
C2	1500mm CONTINUOUS LINEAR SUSPENDED LED LUMINAIRE - THORLUX KANBY ZIP OPAL SMART (6250lm, 43W, IP40, SMARTSCAN, 4000k) KZ18982
C3	1500mm SUSPENDED LED LUMINAIRE - THORLUX KANBY EVO OPAL SMART (3330lm, 22W, IP40, SMARTSCAN, 4000k) KE18948
C4	1500mm SUSPENDED LED LUMINAIRE - THORLUX KANBY EVO OPAL SMART (6250lm, 43W, IP40, SMARTSCAN, 4000k) KE18950
D1	320mmØ CIRCULAR SURFACE MOUNTED LED - THORLUX DOT OPAL (SMALL) (1910lm, 14W, IP40, SMARTSCAN, 4000k) DOT18626
D2	425mmØ CIRCULAR SURFACE MOUNTED LED - THORLUX DOT OPAL (LARGE) (2465lm, 17W, IP40, SMARTSCAN, 4000k) DOT16493
G1	SUSPENDED PENDANT LED LUMINAIRE- THORLUX DRUM PENDENT (5223lm, 8W, IP20, 4000k) HP19295VW

LUMINAIRES LEGEND	
LUMINAIRE REF.	LUMINAIRE TYPE
TL	TYPICAL DESK LAMP - ARTEMIDE TEMPIO TABLE LAMP
H1	1516mm SURFACE/SUSPENDED LED LUMINAIRE - THORLUX HI-BAR LOW GLARE SMART (2975lm, 30W, IP40, SMARTSCAN, 4000k) HB18687
H1	1516mm SURFACE/SUSPENDED LED LUMINAIRE - THORLUX HI-BAR LOW GLARE SMART (1725lm, 17W, IP40, SMARTSCAN, 4000k) HB18686S
H2	1516mm SURFACE/SUSPENDED LED LUMINAIRE - THORLUX HI-BAR LOW GLARE SMART (4300lm, 45W, IP40, SMARTSCAN, 4000k) HB18688
EXIT	WALL MOUNTED LED EMERGENCY EXIT SIGNAGE WITH ARROW UPWARD - THORLUX LEXI (1.7W, IP40, SMARTSCAN)
EXIT	WALL MOUNTED LED EMERGENCY EXIT SIGNAGE WITH ARROW DOWNWARD - THORLUX LEXI (1.7W, IP40, SMARTSCAN)
EMT	SURFACE MOUNTED LED EMERGENCY BULKHEAD 3HR DURATION, NON MAINTAINED - THORLUX MINI-8 (4W, IP65, SMARTSCAN)
	SUSPENDED CONTINOUS TRUNKING FOR KANBY ZIP LUMINAIRE
XE	EXTERNAL WALL MOUNTED LUMINAIRE - THORLUX REALTA MICRO (550lm, 6W, IP66, SMARTSCAN, 4000k) WRL16607L





1 RF - Lighting Design - RCP
1 : 50

NOTES:
THIS IS A DESIGN DRAWING NOT AN INSTALLATION DRAWING.
DIMENSIONS SHOULD NOT BE SCALED.
SITE DIMENSIONS TO BE CHECKED BEFORE PRODUCTION OF CRITICAL MANUFACTURING DRAWINGS.
THE DRAWING IS COPYRIGHT AND NO PART MAY BE REPRODUCED WITHOUT WRITTEN CONSENT.

GENERAL LIGHTING NOTES

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE MECHANICAL AND ELECTRICAL STAGE 2 REPORTS AND ALL RELEVANT LAYOUT DRAWINGS.
2. FINAL POSITIONS OF ACCESSORIES TO BE AGREED ON SITE.
3. FINAL QUANTITIES AND LOCATIONS OF LIGHTING CONTROL MODULES SHALL BE DETERMINED AND INCLUDED AS PART OF THE CONTRACTORS DESIGN.
4. FINAL SETTING OUT OF CEILING MOUNTED SERVICES TO BE CONFIRMED BY ARCHITECT
5. THE LIGHTING INSTALLATION SHALL BE ADDRESSABLE BACK TO A CENTRAL DATABASE DASHBOARD FOR FAULT FINDING, ENERGY CONSUMPTION AND HOURS OF USE.
6. PLEASE REFER TO THE MEP SCOPING REPORT FOR DETAILS OF THE LIGHTING CONTROL TO BE DEPLOYED ON THE BUILDING. IN SUMMARY
   a. THE LIGHTING CONTROL IN THE OFFICES, MEETING ROOMS, SHALL BE ABSENCE DETECTION WITH DAYLIGHT LINKED DIMMING. LIGHTS TO BE MANUALLY SWITCHED ON FROM ENTRANCE AND AUTOAMTICALLY SWITCHED OFF AFTER PERIOD OF ABSENCE.
   b. THE LIGHTING CONTROL IN THE ACADEMICS AND POST GRAD AREAS SHALL BE ABSENCE DETECTION WITH DAYLIGHT LINKED DIMMING.
   c. AUTOMATIC PRESENCE DETECTION SHALL BE PROVIDED TO SWITCH LIGHTING IN UTHERFORD ROOM, WC'S, TEA POINTS, COMMON ROOM SERVER ROOM AND CIRCULATION SPACES.
7. ALL LUMINARIES SHALL BE WHITE IN COLOUR - RAL 9010
8. SUSPENDED PENDANT DRUM FITTINGS SHALL BE WIRED FROM THE SMARTSCAN HUB LOCAL TO EACH SPACE. THE SMARTSCAN HUBS SHALL BE MOUNTED ABOVE ACOUSTIC BAFFLES SO THEY ARE NOT VISIBLE.

LIGHTING CONTROL LEGEND

- PART M COMNPLIANT LIGHT SWITCH WITH THORLUX SMART SCAN WIRELESS SWITCH MODULE SS20054
- R — RETRACTIVE LIGHT SWITCH WITH THORLUX SMART SCAN WIRELESS SWITCH MODULE SS20054
- "x"9 — "x" DENOTES NUMBER OF GANGS
- SH — SMARTSCAN HUB

Rev	
C01	STAGE 4 CONTRACT ISSUE
	By: KO | Chkd: EB | Date: 12.08.24 | App: AD

Status	Description	Stage
A4	STAGE 4A COMPLETED	4

Client: MANCHESTER 1824 The University of Manchester

Project: UNIVERSITY OF MANCHESTER RUTHERFORD BUILDING

Drawing: ELECTRICAL SERVICES
GENERAL & EMERGENCY LIGHTING
ROOF
GENERAL ARRANGEMENT LAYOUT

CAD 21 LTD BUILDING SERVICES & ENERGY CONSULTING ENGINEERS
NEWCASTLE ▫ TEESSIDE ▫ YORKSHIRE ▫ NORTH WEST

Drawing Number	Revision
UOMRB-CAD-XX-RF-DR-E-63004	C01

Scale	Size
As indicated	A1

Drawing Origins :
RBUM-IBI-XX-XX-M3-A-000002 Rev 241108