LIGHTING SCHEDULE

IMAGE	LEGEND	DESCRIPTION
	A	SUSPENDED LINEAR CONTINUOUS LED LUMINAIRE, WHITE FINISH, DIRECT/INDIRECT, MODIFIED 160lm/W VERSION DALI DIMMABLE, AS PER ZUMTOBEL "SOPRANO" X 45 37W, OR SIMILAR APPROVED
	B	SURFACE MOUNTED DOWNLIGHTER, MODIFIED VERSION, DALI DIMMABLE, AS PER ZUMTOBEL "PISTON SM" 14W, 105lm/W OR SIMILAR APPROVED
	B2	RECESSED DOWNLIGHT, 11W, DALI DIMMABLE, 137lm/W E – DENOTES 3HR EMERGENCY AS PER ZUMTOBEL "GARDA CM", OR SIMILAR
	B3	WC RECESSED DOWNLIGHT, 10W, 112lm/W E – DENOTES 3HR EMERGENCY
	C	SURFACE MOUNTED LINEAR TAMPER-PROOF POLYCARBONATE IP65 RATED LUMINAIRE, 23.2W, 1510mm (L) 4350Lm LED 200mA, 164lm/W
	D1	RECEPTION – SUSPENDED DECORATIVE PENDANT LUMINAIRE, LARGE, MAX 150W, 500m, DIMMABLE AS PER MOOOI "MESHMATICS" TO BE INSTALLED AT ALTERNATING HEIGHTS IN CONJUNCTION WITH D2 (ARCHITECTS LF-06).
	D2	RECEPTION – SUSPENDED DECORATIVE PENDANT LUMINAIRE, SMALL, MAX 12W, 350m, DIMMABLE AS PER MOOOI "MESHMATICS" TO BE INSTALLED AT ALTERNATING HEIGHTS IN CONJUNCTION WITH D1 (ARCHITECTS LF-05).
	F1	WC'S AND CORE – WALL MOUNTED CERAMIC RAW BRASS LUMINAIRE, DIMMABLE, 5W 815 LED LAMP 2700K AS PER SPARK & BELL "ZALA CERAMIC WALL SCONCE"
	F2	RECEPTION – VERTICAL WALL MOUNTED LUMINAIRE AS PER BERT FRANK "FAROL DOUBLE", LEFT + RIGHT DIMMABLE, MAX 12W, BRONZE, OPAL GLASS TO BE INSTALLED AT CENTRELINE OF EXISTING COLUMNS TO HEIGHTS NOTED ON ELEVATIONS.
	F3	RECEPTION – WALL LIGHT, CREAM WHITE SEMI MATT, BLACK BASE, max 10W, 810lm AS PER GUBI "SATELLITE WALL LAMP" TO BE INSTALLED AT HEIGHTS NOTED ON ELEVATIONS. FITTINGS SETTING OUT TBC BY ARCHITECT.
	F4	RECEPTION / GROUND FLOOR – VERTICAL SINGLE WALL MOUNTED LUMINAIRE, MAX 12W AS PER BERT FRANK "FAROL SINGLE", DIMMABLE, BRONZE, OPAL GLASS TO BE INSTALLED AT CENTRELINE OF EXISTING COLUMNS TO HEIGHTS NOTED ON ELEVATIONS.
	G	STAIRCORE LIGHTING AS PER EXISTING NOM. CONTRACTOR TO ALLOW FOR RE-WIRING / LED REPLACEMENT. REPLACE FAULTY FITTINGS WITH LIKE FOR LIKE NEW FITTINGS
	H	WALL MOUNTED OFFICE COLUMN LIGHTS AS PER GUBI "COBRA" WALL LIGHT, WALL MOUNTED, MAX 6W, 470lm, DIMMABLE TO BE INSTALLED AS PER ARCHITECT'S ROP, CLIENT TO CONFIRM QTY PRIOR TO PURCHASE AND INSTALLATION
	J	RECEPTION – SUSPENDED LINEAR LED PENDANT, DIMMABLE, AS PER SANTA AND COLE "LAMIA 165", BLACK FINISH, SUSPENDED, 54W, 1484lm, DIMMABLE TO BE INSTALLED AS PER ARCHITECT'S ROP, CLIENT TO CONFIRM QTY PRIOR TO PURCHASE AND INSTALLATION
	K	CEILING MOUNTED ADJUSTABLE LED SPOTLIGHT AS PER J. ADAMS & Co SPOT SINGLE CEILING LIGHT, CEILING FIXED, 3.0W, 290lm, DIMMABLE TO BE INSTALLED AS PER ARCHITECT'S ROP, CLIENT TO CONFIRM QTY PRIOR TO PURCHASE AND INSTALLATION
	E1	SURFACE MOUNTED (ON TRAY) 3W NON-MAINTAINED 3HR EMERGENCY SPOTLIGHT, 170lm, OPEN PLAN VERSION
		SURFACE MOUNTED 3HR MAINTAINED EXIT SIGNAGE, AS PER THORN "VOYAGER BLADE 2 MRCR ANT E3D WH" OR SIMILAR SELF TEST, STAINLESS STEEL BODY WITH ACRYLIC LEGEND. BRUSHED BRASS FINISH
	E	E DENOTES NON-MAINTAINED EMERGENCY 3HR CONVERSION FITTING WITH BATTERY PACK
	E1	EMERGENCY MAINTAINED WEATHERPROOF RECTANGULAR BULKHEAD WITH OPAL DIFFUSER, COMBINED OPERATION TO ALLOW MANUAL SWITCHING.
		PHOTOCELL SENSOR
		PRESENCE DETECTOR
		COMBINED PRESENCE & PHOTOCELL DETECTOR (DALI MULTI-SENSOR – SURFACE MOUNTED)
		ONE WAY LIGHTSWITCH, N = NUMBER OF GANGS
		TWO WAY LIGHT SWITCH
		INTERMEDIATE LIGHT SWITCH
		PULLCORD LIGHT SWITCH
		KEYSWITCH
		DIMMER SWITCH
	SS	SCENE SETTING PLATE
	ECM	DALI HARD WIRED ETHERNET/DALI CONNECTIVITY MODULE (ECM) MOUNTED WITHIN RISER TO PROVIDE DALI COMMUNICATIONS AND ETHERNET ROUTING CAPABILITY TO THE LUMINAIRES.
	CC10	LIGHTING CONTROL MODULE ENABLING POWER SUPPLY AND DALI NETWORK CONNECTION TO DALI SUPPORTED LUMINAIRES AND LIGHTING CONTROL DEVICES VIA 5-CORE STARTER LEADS (UP TO 8 OUTPUTS). LOMS TO BE ONWARD CONNECTED TO OTHER LOMS ON SAME CIRCUIT VIA A MALE TO FEMALE INTERCONNECTING CABLE. ALL CC10 BOXES WILL BE SUPPLIED WITH MALE OUTPUT PLUGS TO BE CABLED ON SITE AND EACH CC10 WILL PROVIDE TWO SPARE PORTS FOR FUTURE EXPANSION.
		LIGHT TRACK

FINAL LIGHTING POSITIONS TO BE CO-ORDINATED BY ARCHTIECT

Notes:

1. This drawing is subject to copyright and is not to be reproduced in part or whole without approval.
2. Do not scale this drawing - check all dimensions on site.
3. This drawing shall be read in conjunction with the project specification(s) and all other contract documentation.
4. All dimensions are in millimetres unless otherwise stated.

DESIGN NOTES

1. THE CONTRACTOR WILL BE RESPONSIBLE FOR DEVELOPING THE DESIGN AS PART OF A 'DESIGN & BUILD' CONTRACT TO PROVIDE A COMPLETE SYSTEM TO COVER ALL AREAS OF THE DEVELOPMENT, COORDINATING AND AGREEING THE LOCATIONS OF ALL EQUIPMENT ETC WITH THE PROJECT ARCHITECT.
2. THIS DRAWING IS PART OF A TENDER PACKAGE FOR A DESIGN AND BUILD CONTRACT. INFORMATION ON THE DRAWING IS PROVIDED WITHOUT PREJUDICE AND DOES NOT ABSOLVE THE CONTRACTOR FROM HIS DESIGN DUTIES AND RESPONSIBILITY.
3. ELECTRICAL SERVICES CONTRACTOR TO LIAISE WITH MECHANICAL SERVICES CONTRACTOR TO ENSURE FULL CO-ORDINATION OF SERVICES.
4. THE EXACT POSITION OF ALL SERVICES AND EQUIPMENT SHALL BE AGREED BY THE CONTRACT ADMINISTRATOR AND SHALL BE SET OUT OFF INTERIOR DESIGNERS LAYOUT DRAWINGS.
5. ALL EQUIPMENT TO BE FULLY CO-ORDINATED BY ELECTRICAL CONTRACTOR.
6. TO AVOID ACOUSTIC ISSUES, WHERE PRACTICAL NO OUTLETS SHALL NOT BE PLACED BACK TO BACK.
7. THE ELECTRICAL SERVICES CONTRACTOR SHALL LIAISE CLOSELY WITH THE PROJECT INTERIOR DESIGNER/ARCHITECT TO ENSURE ALL CO-ORDINATION OF DECORATIVE ELEMENTS ARE PROVIDED, PRIOR TO ANY 1ST FIX IS CARRIED OUT.
8. ALL LIGHTING AND SMALL POWER CABLING WILL BE CARRIED OUT USING 6242B FLAT MULTICORE (TWIN AND EARTH) CU/LSF CABLE. THE INSTALLATION WILL BE FLUSH WITH CABLES ROUTED WITHIN THE BUILDING FABRIC, MECHANICAL PROTECTION SHALL BE AFFORDED THROUGHOUT AND WHERE PRACTICAL CONDUITS AND CABLE WAYS SHALL BE PROVIDED TO ENSURE FUTURE RE-WIRE PROVISION. CABLING SHALL GENERALLY BE AS FOLLOWS:

   LIGHTING CIRCUITS 1.5MM²
   RING MAIN CIRCUITS 2.5MM²
   (MAX 10NO TWIN SOCKETS)
   RADIAL CIRCUITS 4.0MM²
   (MAX 6NO TWIN SWITCHED SOCKETS)
   COOKER CIRCUITS 6.0MM²
9. MOUNTING HEIGHTS ARE TO BE TAKEN OFF THE TYPICAL MOUNTING HEIGHT SCHEDULE TO CONFORM WITH APPROVED DOCUMENT PART M
10. LIGHTING CONTROL SYSTEM SHALL BE PART OF AN ADDRESSABLE SITE WIDE LIGHTING CONTROL SYSTEM CONTROLLED VIA A CENTRAL PC WITHIN THE MANAGEMENT OFFICE.
11. CONTACT MATHEW RUTHERFORD FOR DETAILS OF SOPRANO LIGHT FITTING.
    EMAIL: MR@OZZMIUM.CO.UK
12. CEILING MOUNTED ITEMS WITHIN EXPOSED OFFICE SPACES TO BE INSTALLED ON THE GALVANISED TRAY / CHANNEL SYSTEM ON THE CEILING BEAM LINE, OR ON CONDUIT. CONTRACTOR SHALL LIAISE WITH THE ARCHITECT PRIOR TO ANY INSTALLATION TAKING PLACE FOR EXACT CO-ORDINATION.
13. ALL TENANT AREAS SHALL INCLUDE DAYLIGHT LINKED DIMMING.

Rev:	Date:	Status/Amendments:	By:
T3	14.09.23	STAGE 4 REVIEW	K.K
T2	08.09.23	REVIEW AND COMMENT	K.K
T1	31.05.23	STAGE 4 ISSUE	F.R
P1	28.03.23	STAGE 3 ISSUE	M.J

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KINGS

Client:
KINRISE

Project:
SUNLIGHT HOUSE
MANCHESTER

Drawing Title:
ELECTRICAL SERVICES
GROUND FLOOR
LIGHTING SERVICES
LAYOUT

Engineer:	Checked By:	Cad By:
E.S	M.J	G.M
Scale: 1:100	Paper Size: A1	Date Created: MAR 2023
Drawing Number: 4084-KIN-XX-00-DR-E-6300		Drawing Revision: T3