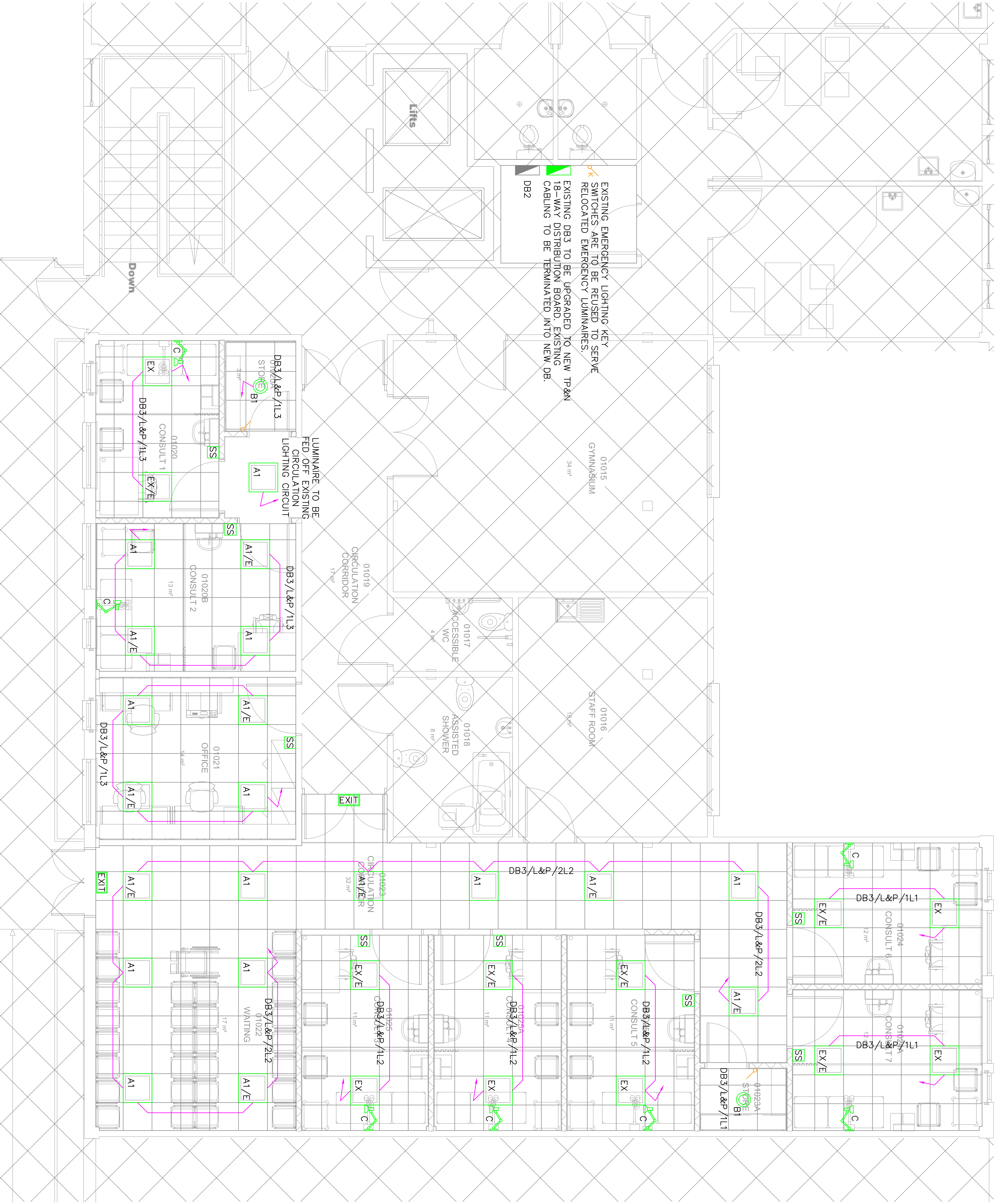


NOTES:

- DO NOT SCALE
THIS DRAWING IS BEST VIEWED IN COLOUR & MUST BE READ IN CONJUNCTION WITH THE ELECTRICAL SPECIFICATION & ASSOCIATED DOCUMENTS.
THIS DRAWING MUST BE READ IN CONJUNCTION WITH THE ARCHITECT'S DRAWINGS AND DOCUMENTS.
THE ELECTRICAL INSTALLATION MUST COMPLY IN FULL WITH THE REQUIREMENTS OF BS7671: 18TH EDITION OF THE IEE WIRING REGULATIONS INCLUDING ANY ASSOCIATED GUIDANCE NOTES & AMENDMENTS.
THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE CO-ORDINATION OF ELECTRICAL SERVICES & MUST LIAISE WITH THE MAIN CONTRACTOR, MECHANICAL CONTRACTOR AND OTHER RELEVANT PARTIES ON SITE.
THE ELECTRICAL CONTRACTOR SHALL REMOVE AND/OR MODIFY EXISTING CONTAINMENT, LUMINAIRES, FIRE ALARM DEVICES ETC. AS REQUIRED TO FACILITATE THE INSTALLATION OF NEW SERVICES WITHIN THE WORKING AREA.
THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR THE CO-ORDINATION OF ELECTRICAL SERVICES, INCLUSIVE OF DEVICE POSITIONS, FINAL LOAD SIZES etc. & MUST LIAISE WITH THE MAIN CONTRACTOR, MECHANICAL CONTRACTOR & OTHER RELEVANT PARTIES REGARDING SETTING OUT ON SITE.
THE ELECTRICAL CONTRACTOR SHALL UNDERTAKE A SITE SURVEY TO FAMILIARISE THEMSELVES WITH THE BUILDING, EXISTING SERVICES & ASSOCIATED RESTRICTIONS.
IT MUST BE NOTED THAT ADVANCEMENT AREAS WILL REMAIN OPERATIONAL DURING THE CONTRACT PERIOD, & AS SUCH, DUE CARE & ATTENTION MUST BE MADE TO ENSURE ELECTRICAL SUPPLIES ARE UNINTERRUPTED DURING THIS TIME.
ALL WIRING SYSTEMS SHALL BE FULLY TESTED AND COMMISSIONED IN ACCORDANCE WITH THE IET WIRING REGULATIONS AND NICEIC RECOMMENDATIONS PRIOR TO PUTTING INTO SERVICE. AT THE END OF THE PROJECT AN NICEIC COMPLETION CERTIFICATE SHALL BE PROVIDED FOR THE WHOLE INSTALLATION.

DISTRIBUTION BOARD DB3 – LIGHTING & POWER BOARD									
WAY No.	MCR/RCBO RATING	TRIP CURVE	RCO/RCBO TYPE	ARC FAULT DETECTION	PHASE & NEUTRAL	OPC	CABLE TYPE	RING OR FINAL CIRCUIT	DUTY
1L1	10	TYPE B	N/A	N/A	2.5mm	2.5mm	SINGLES	RAJAL	CONSULT ROOM STORE LIGHTING
1L2	10	TYPE B	N/A	N/A	2.5mm	2.5mm	SINGLES	RAJAL	CONSULT ROOM STORE LIGHTING
1L3	10	TYPE B	N/A	N/A	2.5mm	2.5mm	SINGLES	RAJAL	CONSULT ROOM 1, 2, OFFICE AND STORE LIGHTING
2L1	10	TYPE B	N/A	N/A	2.5mm	2.5mm	SINGLES	RAJAL	WAITING ROOM AND CORRIDOR LIGHTING
2L2-6L3	WAYS TO BE USED FOR EXISTING CIRCUITS DIVERTED TO NEW DISTRIBUTION BOARD								

DISTRIBUTION BOARD DB3 – LIGHTING & POWER BOARD									
WAY NO.	MED. ACCESS TRAINING	TRIP CURVE	ROD. ACCESS TYPE	AFC FAULT DETECTION	PHASE & NEUTRAL	OPC	CABLE TYPE	RING OR FINAL CIRCUIT	DUTY
7L1	20	TYPE B	30mA TYPE B	N/A	4.0mm	4.0mm	SINGLES	RADIAL	CONSULT ROOM 6 AND 7. GENERAL POWER.
7L2	20	TYPE B	30mA TYPE B	N/A	4.0mm	4.0mm	SINGLES	RADIAL	CONSULT ROOM 4 AND 5. GENERAL POWER.
7L3	20	TYPE B	30mA TYPE B	N/A	4.0mm	4.0mm	SINGLES	RADIAL	OFFICE GENERAL POWER.
8L1	20	TYPE B	30mA TYPE B	N/A	4.0mm	4.0mm	SINGLES	RADIAL	CONSULT ROOM 6, 7 AND STORE CLEANERS SOCKETS
8L2	20	TYPE B	30mA TYPE B	N/A	4.0mm	4.0mm	SINGLES	RADIAL	CONSULT ROOM 3, 4, 5 AND CLEANERS SOCKETS
8L3	20	TYPE B	30mA TYPE B	N/A	4.0mm	4.0mm	SINGLES	RADIAL	CONSULT ROOM 1 AND 2. GENERAL POWER.

[illegible]

- The EMERGENCY LIGHTING INSTALLATION MUST COMPLY IN FULL WITH THE REQUIREMENTS OF BS 5266. LUMINAIRE TO COMPLY WITH BSI05958-2:-22Z

EACH LUMINAIRE SHALL HAVE ITS CIRCUIT REFERENCE & LUMAIRE ADDRESS (WHERE APPLICABLE) IN A SUITABLE LOCATION, SUCH THAT IT IS EASILY VISIBLE TO MAINTENANCE PERSONNEL BUT DOES NOT DEDUCT FROM THE LUMAIRE AESTHETICS.

A NEW LIGHT SWITCH ACCESSORIES SHALL BE OF THE UK LOGIC PLUS RANGE (WHITE PWC FINISH).

THE EFFICIENCY OF THE LIGHTING SCHEME SHALL AFFORD COMPLIANCE WITH THE NECESSARY STANDARDS (PART L ETC), BUT SHALL ALSO AS A MINIMUM, ACHIEVE AN EFFICIENCY OF 60 LUMAIRE-LUMENS PER WATT FOR GENERAL APPLICATIONS AND 22 LUMAIRE-LUMENS PER WATT FOR DISPLAY LIGHTING.

MAINTENANCE FACTOR SHALL BE CALCULATED AS OUTLINED IN CIBSE TIL GUIDANCE. ROOM CLEANING FREQUENCY SHALL BE TAKEN AS 24 MONTHS. LUXEN DEPRECIATION SHALL BE BASED ON 20% (180)

THE CONTROLS REGIME SHALL BE BASED ON SCENE SELECT PLATES TO ALLOW STAFF TO VARY LIGHTING LEVELS DEPENDING ON THE USE OF THE AREA.

ALL OCCUPIED SPACES SHALL BE DESIGNED IN ACCORDANCE WITH THE PRINCIPLES OUTLINED IN CIBSE LIGHTING GUIDE 2 TO ENSURE THAT THE SPACE IS CORRECTLY ILLUMINATED








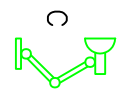

ALL SPACES SHALL ACHIEVE AN AVERAGE LUMINAENCE LEVEL ON THE WALLS THAT IS AT LEAST 50% OF THE AVERAGE LUMINAENCE LEVEL ON THE WORKING PLANE.

THE EMERGENCY LIGHTING SYSTEM SHALL BE BASED ON SEPARATE LED FITTINGS.

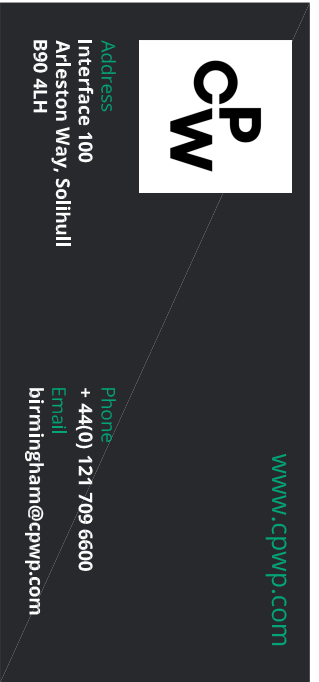
THE EMERGENCY LIGHTING SYSTEMS SHALL BE BASED ON SELF-CONTAINED FITTINGS IE. INTEGRAL BATTERIES.

LIGHTING CONTROLS SHALL BE PROVIDED WITHIN THE DRAWING.

TWO SETS OF O-H-M TO BE PROVIDED.

Image	Ref	Description	Lamp/Lumen Package
		RECESSED 600x600 LED 30W DIMMABLE LUMINAIRE C/W 400K LAMPS, ØP4L DIFFUSER AND SMART SENSOR, AS PER CLUS THEIR PHOENIX RECESSED MODULARE.	3780lm
		RECESSED 600x600 LED 30W DIMMABLE LUMINAIRE C/W 400K LAMPS, ØP4L DIFFUSER AND SMART SENSOR, THESE FITTINGS ARE ALREADY INSTALLED ON SITE AND ARE TO BE RETAINED AND RELOCATED AS PER THE PROPOSED LIGHTING LAYOUT.	3780lm
		CIRCULAR LED RECESSED 15W DIMMABLE DOWNLIGHT C/W 4000K LAMPS & ØP4L DIFFUSER, AS PER CLUS THEIR HELIOS SLIM LINE.	1725lm
		THE EXISTING CLUS EMERGENCY LIGHTING FITTINGS ARE ALREADY INSTALLED ON SITE AND ARE TO BE RETAINED AND RELOCATED AS PER THE PROPOSED LIGHTING LAYOUT.	N/A
		PATIENT EXAMINATION LIGHT C/W 3000K LAMPS AND ANTIBACTERIAL POWDER COATING, AS PER GLAMOX THEIR CARELITE.	N/A

REV	DATE	DESCRIPTION	BY	VE
111	7/27/27	1 CHECK ISSUED	JF	CF



STAGE 4

TENDER ISSUE

Client

 **Bedfordshire Hospitals**
NHS Foundation Trust

**PROPOSED CONSULTATION ROOMS
WITHIN EXISTING CHAUL END COMMUNITY CENTRE
(FIRST FLOOR)**

PROPOSED LIGHTING LAYOUT

ProID	Opstar	Volume	Lead	Type	Role	Number	Subsity	Position
150			FEB'22			JF	EF	

LIGHTING SPECIALIST:
COMMERCIAL AND INDUSTRIAL LIGHTING SOLUTIONS
COLLINSHAM HOUSE, 6-12 GLADSTONE ROAD,
LONDON SW19 1QT
Contact: MATT BOND
Tel: 07719 177518
Email: matt.bond@cljsuk.com