

LIGHTING & FIRE ALARM LEGEND
AND SYMBOLS

✓

LIGHTING SWITCH

K

EMERGENCY LIGHTING KEY TEST SWITCH

X

LINEAR CEILING MOUNTED LED LUMINAIRE
x = LUMINAIRE REFERENCE

HD

OPTICAL HEAT DETECTOR
CV = CEILING VOID MOUNTED

SD

OPTICAL SMOKE DETECTOR
CV = CEILING VOID MOUNTED

SMALL POWER LEGEND
AND SYMBOLS

2

SWITCHED TWIN SOCKET OUTLET

CL

SINGLE SWITCHED SOCKET OUTLET
LABELLED 'CLEANERS'

X

SWITCH DISCONNECTOR UNFUSED
X = RATING (AMPERES)

MET

MAIN EARTH TERMINAL

SSE

SSE SUPPLY CUT OUT AND CT
CHAMBER WITH UTILITY METER

PPC

POWER FACTOR CORRECTION

DB/x

DISTRIBUTION BOARD
X = BOARD REFERENCE

SB/x

SWITCH BOARD
X = BOARD REFERENCE

CONTAINMENT & LEGEND
AND SYMBOLS

CABLE TRAY CONTAINMENT

The diagram illustrates the proposed containment and void detection layout for the Mortuary Block. It shows three main areas: the Generator Room, a central Store, and the Mortuary. Key features include:

- Generator Room:** Contains an incoming LV supply, 100mm LV trunking, and a switchboard (SB-LV-01).
- Store:** Features a 100mm LV cable tray, a 225mm LV cable tray, and various void detectors (CV, SD).
- Mortuary:** Includes electrical LV distribution inside the building via cable tray to external, and cabling drop to low-level within ducts in this location.
- Containment:** Red dashed lines indicate the proposed containment areas.
- Void Detection:** Symbols for optical heat detectors (HD) and optical smoke detectors (SD) are placed throughout the layout.

PROPOSED CONTAINMENT
& VOID DETECTION LAYOUT

The diagram shows the proposed lighting and fire alarm layout. It includes the Generator Room and the Store. Key features include:

- Generator Room:** Shows a fire alarm control panel (FACP) and a fire alarm bell (FAB).
- Store:** Features a fire alarm bell (FAB) and a fire alarm control panel (FACP).
- Lighting:** Symbols for lighting switches and emergency lighting key test switches are shown.

PROPOSED LIGHTING & FIRE ALARM
LAYOUT

The diagram illustrates the proposed small power layout. It shows the Generator Room and the Store. Key features include:

- Generator Room:** Features a new switchboard with a utility meter and a switchboard (SB-LV-01) with a 315A TPN.
- Store:** Includes a switchboard (SB-LV-01) with a 315A TPN and a switchboard (SB-LV-01) with a 315A TPN.
- Small Power:** Symbols for small power components like switches and outlets are shown.

PROPOSED SMALL POWER
LAYOUT

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE STATED
DO NOT SCALE FROM THIS DRAWING

GENERAL NOTES

- THIS DRAWING IS APPROXIMATE AND DIAGRAMMATIC. TENDERERS SHALL BE RESPONSIBLE FOR ASCERTAINING ITS ACCURACY AND FOR ENSURING ALL EQUIPMENT CAN BE ACCOMMODATED IN ACCORDANCE WITH THE DESIGN INTENT.
- THIS DRAWING IS THE PROPERTY OF GLJ DESIGN AND IS ISSUED SOLELY FOR THE PURPOSE OF THE CONTRACT TO WHICH IT REFERS AND MUST NOT BE REPRODUCED OR USED FOR ANY OTHER PURPOSE WHATSOEVER, EXCEPT BY THE EXPRESS PERMISSION OF GLJ DESIGN.
- DO NOT SCALE FROM THIS DRAWING.
- THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ALL RELEVANT STRUCTURAL, ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS AND SPECIFICATIONS AND ASSOCIATED TENDER DOCUMENTS.
- ANY INACCURACIES IN THIS DRAWING SHALL BE IDENTIFIED TO THE CONTRACT ADMINISTRATOR IN WRITING DURING THE TENDER PERIOD.
- ALL LOCATIONS SHOWN ON THIS DRAWING INDICATE INTENT ONLY. THE EXACT LOCATIONS OF ALL EQUIPMENT SHALL BE AGREED ON SITE AFTER CONSULTATION WITH ALL OTHER TRADES.
- THE CONTRACTOR IS TO ENSURE THE ACOUSTIC AND FIRE INTEGRITY OF ALL PARTITION WALLS AND BARRIERS ARE MAINTAINED.
- THE CONTRACTOR SHALL NOTE THAT ALL DUCTWORK/ PIPEWORK ROUTES AND EQUIPMENT POSITIONS INDICATED ON THIS LAYOUT DRAWING ARE PROVISIONAL ONLY. EXACT ROUTES, POSITIONS AND HEIGHTS SHALL BE SHOWN ON THE CONTRACTORS WORKING DRAWINGS.
- CONTRACTOR TO VERIFY ALL EXISTING PIPEWORK SIZES AND CONFIRM DIFFERENCES TO THE ENGINEER BEFORE THE CONTRACTOR COMMENCES ONSITE WORKS. FINAL PIPEWORK SIZES SHALL BE AGREED WITH THE ENGINEER.
- REFER TO LUMINAIRE SCHEDULE FOR LUMINAIRE PROPOSALS.

TENDER

Rev	Description	Date	Checked
T3	TENDER ISSUE	22.09.21	CDB
T2	TENDER ISSUE	07.09.21	CDB
T1	TENDER ISSUE	24.08.21	CDB

AMENDMENT RECORD

GLJ Design Services Limited,
Chartered Building Services Engineers,
37 High Street, Totton, Southampton, SO40 9HL,
07511 004818
gary@gljdesign.co.uk
www.gljdesign.co.uk

Tollgate Estates, Stanbridge Earls,
Romsey SO51 0HE
t: 01794 511255
www.studiofourarchitects.com

Project:
DELLWOOD HOSPITAL READING
22 LIEBENROOD RD
READING
RG30 2DX

Drawing Title:
DELLWOOD HOSPITAL
PROPOSED MORTUARY BLOCK
ELECTRICAL SERVICES LAYOUT

Project Manager: L. WARREN	Engineer: C. DEL BARCO
Scale: 1:50@A1	Drawn: JPG
Architect: -	Sheet Size: A1
Checked: G JONES	Date: JULY 2021

Drawing No:	6123-E-400
Revision:	T1T2T3