

LEGEND:

- MULTICOORE CABLE/SPINWAL/SZH CABLE
- FIRE RATED CABLE
- SP+N MCB DISTRIBUTION BOARD

TP+N SPLIT LIGHTING & POWER MCB DISTRIBUTION BOARD WITH EACH SIDE SEPARATELY METERED

- AIR CIRCUIT BREAKER, FIXED PATTERN
- MOLDED CASE CIRCUIT BREAKER
- ISOLATOR
- SP+N ISOLATING SWITCH

FIRE ALARM REPEATER PANEL

INTRUDER ALARM PANEL

- ELECTRONIC MULTIFUNCTION METER
- 'G' DENOTES GENERATION METER
- 'U' DENOTES UTILITY METER
- 'B' DENOTES MID APPROVED

NOTES:

- THIS IS NOT AN INSTALLATION DRAWING.
- THIS DRAWING SHALL BE READ IN CONJUNCTION WITH THE STAGE 4 SPECIFICATION AND ALL RELATED ARCHITECTS AND STRUCTURAL ENGINEERS DRAWINGS.
- THE ELECTRICAL INSTALLATION SHALL COMPLY IN FULL WITH THE REQUIREMENTS OF BS 7671:2018 (IET WIRING REGULATIONS) INCLUDING ALL ASSOCIATED GUIDANCE NOTES & AMENDMENTS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETAILING & COORDINATING ASSOCIATED BUILDERS WORK.
- ARMoured CABLES WITH CSA OF 70mm<sup>2</sup> OR GREATER SHALL BE INSTALLED WITH CABLE CLEATS.
- ALL PANEL AND DISTRIBUTION BOARDS SHALL BE PROVIDED WITH 25% SPARE OUTGOING WAYS AND 25% OF THE SPARE WAYS PROVIDED SHALL BE FITTED OUT WITH FRAME AND TRIP UNITS / CPDs.
- ALL SUB MAIN CABLING SHALL BE PROVIDED WITH TRAFALYTE LABELS.
- CONTRACTOR TO ENSURE TERMINAL SIZES SUITABLE FOR INCOMING CABLES WIRING TO INPT DEVICE ONLY FOR POWER FACTOR CORRECTION.
- ALL THREE PHASE CABLE GLAND PLATES SHALL BE HEX BOLTED REMOVABLE PLATES MADE FROM ZINTEC STEEL OF MINIMUM THICKNESS OF 3mm.
- GLAND PLATES FOR SINGLE CORE CABLES SHALL BE NON-FERREOUS.
- METER READINGS TO BE PROVIDED FROM EXISTING WORKSHOP TO DETERMINE ELECTRICAL CAPACITY.
- ELECTRICAL CONTRACTOR TO VALIDATE EXISTING INTAKES.
- PLEASE REFER TO DETAIL A FOR WIRING 4 POLE MCCBS TO USE WITH SINGLE PHASE LOADS.

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2023/2024

STAGE 4

Status

TENDER

Client  
MHS Trust

CTC WORKSHOP RELOCATION

ELECTRICAL SERVICES  
PROPOSED LV SCHEMATIC

Drawing Title		Date		By		Vn	
MIS		JULY 2023		WS		KW	
20/11/14	CPW	ZZ	XX	BR	E	00/00/1	SA
230114.CPW-ZZ-XX-DR-E-001001		SA		T01			

THIS DRAWING IS AN INDICATIVE LAYOUT ONLY, DEMONSTRATING THE CONCEPTUAL REQUIREMENTS CORRELATING WITH THE AGREED SCHEMATIC SOLUTIONS. THE PURPOSE OF THIS DRAWING IS TO DEMONSTRATE DESIGN INTENT, FOR FURTHER DEVELOPMENT BY THE RELEVANT SERVICES DESIGNER ONLY.

CABLE SCHEDULE

ALL DESIGN DETAILS ARE WORK IN PROGRESS

Cable Ref	Service	Cable Size & Type	Qty
C00	LV PANEL BOARD - DB/FF-01	1 x 4C 70mm <sup>2</sup> PVC SW/POCS - EXISTING	30mm <sup>2</sup> GREEN/YELLOW LSZH/C - EXISTING
C01	POWER & LIGHTING 3-PHASE SPLIT LOAD DB - DB/GF-01	1 x 4C 35mm <sup>2</sup> XLPE SW/LSZH/C	16mm <sup>2</sup> GREEN/YELLOW LSZH/C
C02	POWER & LIGHTING 3-PHASE SPLIT LOAD DB - DB/GF-02	1 x 4C 35mm <sup>2</sup> XLPE SW/LSZH/C	16mm <sup>2</sup> GREEN/YELLOW LSZH/C
C03	POWER 1-PHASE DB - DB/GF-03	1 x 4C 35mm <sup>2</sup> XLPE SW/LSZH/C	16mm <sup>2</sup> GREEN/YELLOW LSZH/C
C04	POWER & LIGHTING 3-PHASE SPLIT LOAD DB - DB/FF-01	1 x 4C 35mm <sup>2</sup> XLPE SW/LSZH/C	16mm <sup>2</sup> GREEN/YELLOW LSZH/C
C05	FIRE ALARM REPEATER PANEL	1 x 4C 35mm <sup>2</sup> ETP 120	6mm <sup>2</sup> GREEN/YELLOW ETP 120
C06	INTRUDER ALARM PANEL	1 x 4C 35mm <sup>2</sup> ETP 120	6mm <sup>2</sup> GREEN/YELLOW ETP 120
C07	SPARE - EXISTING SERVICES		
C08	SPARE - EXISTING SERVICES		
C09	SPARE - EXISTING SERVICES		

