

Rev:	Date:	Description:	By:	Chk:
P01	20.05.26	First Issue	MDH	SC/SB
P02	27.05.26	Data Amended, Fire Alarm, Intruder and Emergency Lighting	MDH	SC/SB
P03	22.06.26	Added: Data Cabinet Moved to TP Store + Other minor additions. Roller Shutter and Intruder Alarm supplies added. Data layout amended for WFT, CCTV and Access Control.	MDH	SC/SB

FIRE ALARM

FAP	FIRE ALARM CONTROL PANEL
IFU	INTERFACE UNIT
S	SMOKE DETECTOR
S	SMOKE DETECTOR / SOUNDER BASE
H	HEAT DETECTOR / SOUNDER BASE
S	SOUNDER BEACON
M	MANUAL CALL POINT
FA	FIRE ALARM SUPPLY (RED KEY SWITCH)

EMERGENCY LIGHTING

EXIT PL	PHOTO-LUMINESCENT EMERGENCY EXIT SIGN
EXIT	EMERGENCY EXIT LIGHT
WB	EMERGENCY BULKHEAD
WP	EMERGENCY BULKHEAD WEATHER-PROOF

INTRUDER ALARM

IAP	INTRUDER ALARM CONTROL PANEL
RIO	RIO ZONE EXPANDER
RIO P	RIO POWERED ZONE EXPANDER
K	KEYPAD
R	RELAY
DC	DOOR CONTACT
NT	DUAL TECH PIR
INT	INTERNAL SOUNDER
SAB	EXTERNAL SOUNDER
DCY	DECOY SOUNDER
IA	INTRUDER ALARM SUPPLY UNSWITCHED FUSED SPUR

DISABLED REFUGE

DRP	DISABLED REFUGE PANEL
DRCH	DISABLED REFUGE CALL POINT
DA	DISABLED REFUGE SUPPLY

NOTES:

ELECTRICAL INSTALLATION SHALL COMPLY WITH THE CURRENT EDITION INCLUDING AMENDMENTS OF BS7671:2018 (REQUIREMENTS FOR ELECTRICAL INSTALLATIONS).

ALL CABLES RUNNING IN TRUNKING MUST BE SECURED THROUGHOUT THE COMPLETE INSTALLATION AT 900MM INTERVALS USING METAL ALL ROUND BAND AND METAL 'D' LINE CABLE CLIPS.

FINAL CIRCUIT WIRING SHALL BE CARRIED OUT USING 6242B AND 6243B LSZH FLAT INSULATED MULTI CORE SHEATHED CABLES MANUFACTURED TO BS7211.

FIRE ALARM CABLES SHALL BE FP200.

NUMBER EACH CORE OF CABLE IN THE DISTRIBUTION BOARD AND ENSURE CABLES ARE CORRECTLY SLEEVED WHERE APPROPRIATE.

ENSURE ALL MATERIALS ARE INSTALLED AS PER MANUFACTURERS INSTRUCTIONS.

ELECTRICAL EQUIPMENT TO BE SURFACE MOUNTED.

ENSURE POWER/FIRE/DATA CABLES ARE SEGREGATED.

ENSURE INTUMESCENT GASKETS ARE FITTED TO DRY LINING BACK BOXES IN FIRE PARTITIONS AND INTUMESCENT DISKS WHERE CABLES PASS THROUGH WALLS.

ENSURE THAT VENTILATION DUCTS THAT PASS THROUGH FIRE WALLS ARE FIRE STOPPED.

VENTILATION NEEDS TO BE SUPPLIED FROM THE LOCAL LIGHTING CIRCUITS/SENSORS.

FIRE ALARM / EMERGENCY LIGHTING DESIGN AND INSTALLATION BY OTHERS

EMERGENCY LIGHTING SHALL COMPLY WITH BS5266-1:2025 (EMERGENCY LIGHTING CODE OF PRACTICE FOR THE EMERGENCY LIGHTING OF PREMISES)

FIRE ALARM SHALL COMPLY WITH BS5839-1:2025 (FIRE DETECTION AND FIRE ALARM SYSTEMS FOR BUILDINGS)



LEGEND

TPN	TP&N DISTRIBUTION BOARD SCHNEIDER ACTI9	2g	SWITCHED 13A TWIN SOCKET OUTLET	WFT 100mm	MANROSE QF100TX5CON 100mm WALL MOUNTED EXTRACT FAN c/w TIMER	WC ALARM OVER-DOOR LIGHT/SOUNDER
A	TAMLITE 31W, 3500LM, 4000K. SURFACE MOUNTED LED LUMINAIRE		AC ROTARY ISOLATOR 32A/16A	WFP 150mm	MANROSE XF150P 150mm WALL MOUNTED EXTRACT FAN c/w PULL CORD	WC ALARM CONTROL PANEL HOYLES AIDALARM A600LKITM
B	TAMLITE NEPTUNE 21W, 2200LM, IP65 SURFACE MOUNTED LED BULKHEAD	16A	TEST BAY SOCKET - 16A SOCKET C/W ISOLATOR. GEWISS GW66004 (NC0274A)	IN-LINE FAN 100mm	AIRFLOW AVENT 100T IN-LINE FAN 9041086	DATA CABINET SUPPLY UNSWITCHED SOCKET OUTLET
BE	TAMLITE NEPTUNE 21W, 2200LM, IP65. SURFACE MOUNTED LED BULKHEAD. EMERGENCY.	WH	WATER HEATER	3A	UNSWITCHED FUSED SPUR FOR HELP- WC ALARM. FITTED WITH A 3A FUSE	DATA CABINET
PIR	PASSIVE INFRA-RED DETECTOR	FH1	CONSORT 1kW HIGH LEVEL DOWNFLOW HEATER		WC ALARM RESET SWITCH	DATA OUTLET X - DENOTES NUMBER OF POINTS
	ONE WAY SWITCH	1.5kW	CONSORT 1.5kW PANEL HEATER		WC ALARM EMERGENCY PULL CORD	UNLESS SPECIFIED OTHERWISE ALL SOCKET OUTLETS & DATA OUTLETS ARE AT 450MM AFFL TO BOTTOM



Status:	Purpose Of Issue:			
Status	For Information			
Client:				
Uxbridge College				
Project:				
Construction Centre				
Title:				
Electrical layout				
Scale @ A3:		Date:	Drawn By:	Checked By:
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