Legend

MSB — 38-42 Mosley Street main switchboard located in basement LV switchroom, fed from 57 Spring Gardens main switchboard

TP&N MCCB panelboard. Refer to distribution board schedules for further details

TP&N MCB distribution board. Refer to distribution board schedules for further details

SP&N MCB distribution board. Refer to distribution board schedules for further details

TP&N isolator, rating as indicated

SP&N isolator, rating as indicated

ATS — Automatic transfer switch for life safety equipment

13A unswitched fused connection unit, flush mounted

13A unswitched fused connection unit, surface mounted

13A switched fused connection unit, flush mounted

13A switched fused connection unit, surface mounted

13A single unswitched socket outlet, flush mounted

13A single unswitched socket outlet, flush mounted for cleaners

13A single unswitched socket outlet, surface mounted

13A single switched socket outlet, flush mounted

13A single switched socket outlet, surface mounted

13A twin switched socket outlet, flush mounted

13A twin switched socket outlet, surface mounted

USB — 13A twin switched socket outlet, flush mounted c/w twin USB fast charger outlets

RCD — 13A twin switched socket outlet, flush mounted with integral non-passive 30mA RCD trip unit

20A DP — 20A double-pole switch engraved as indicated

Flex outlet plate, flush mounted

WiFi — Denotes position of Aruba 515 wireless access point installed by others to have 2No Cat 6A data cables installed to twin RJ45 data outlet

Surface mounted white uPVC 3-compartment trunking at skirting or dado height, as indicated

HL — High level (generally mounted on soffit)

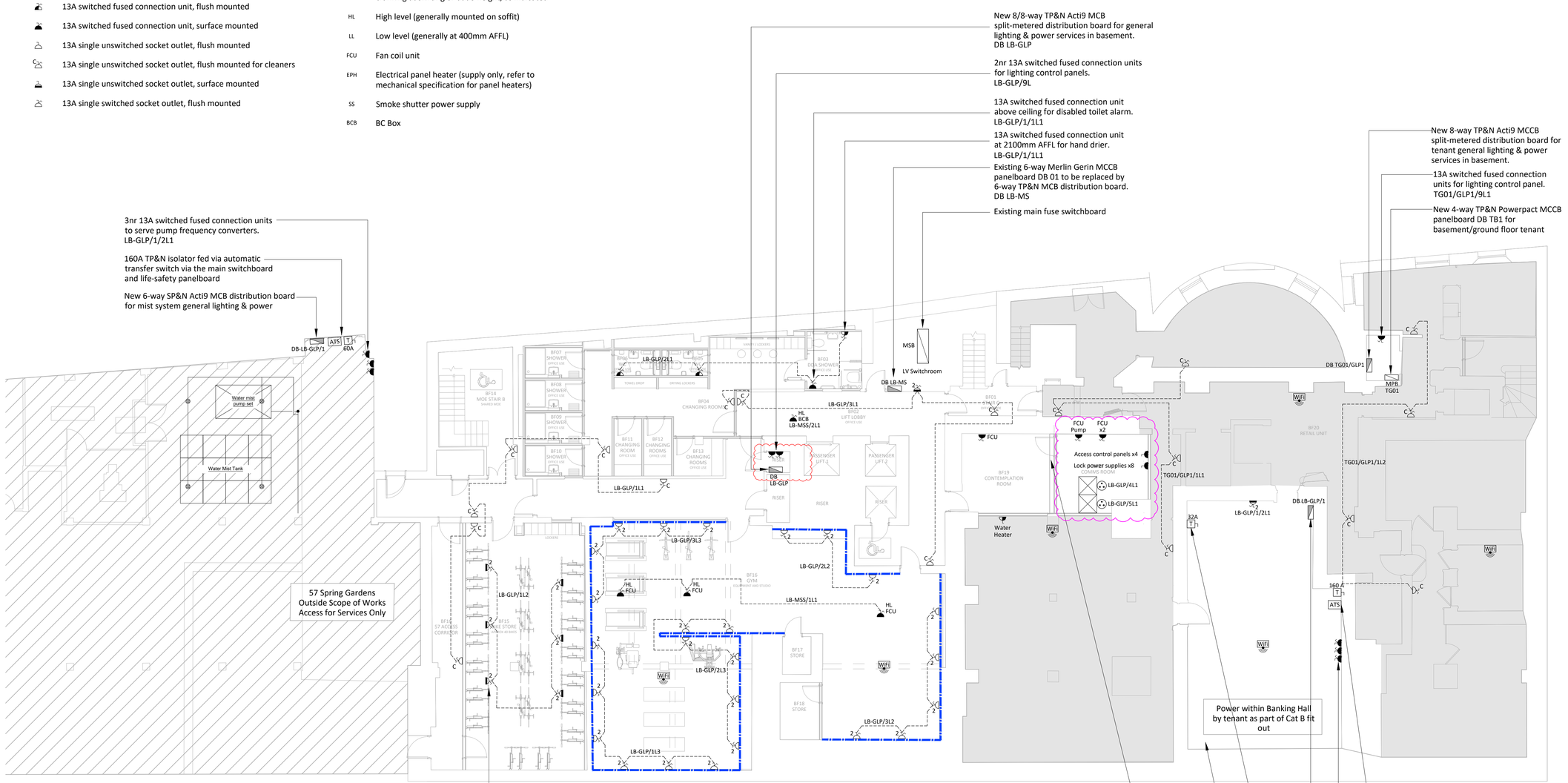
LL — Low level (generally at 400mm AFFL)

FCU — Fan coil unit

EPH — Electrical panel heater (supply only, refer to mechanical specification for panel heaters)

SS — Smoke shutter power supply

BCB — BC Box



Schedule of Electrical Power Supplies Associated with Fire Alarm

Location:	Equipment:	Quantity:	Electrical Load:
B1	Electric LPU3+1 Water Mist Pump Set with Frequency Convertors	1	Total Load Current 81 kW
			Starting Current 151 Amps
			Locked Rotor Current 156 Amps
B1	Jockey Pump	1	13 Amp 230V/1ph/50Hz
B1	Tank No.1 High Level Alarm	1	13 Amp 230V/1ph/50Hz
B1	Tank No.1 Low Level Alarm	1	13 Amp 230V/1ph/50Hz
B1	Tank No.2 High Level Alarm	1	13 Amp 230V/1ph/50Hz
B1	Tank No.2 Low Level Alarm	1	13 Amp 230V/1ph/50Hz
B1	Motorised Shut Off Valve	1	13 Amp 230V/1ph/50Hz
B1	Trace Heating Controller	1	13 Amp 230V/1ph/50Hz
B1	Plant Room 3kW Space Heater	1	13 Amp 230V/1ph/50Hz

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Do not scale from this drawing.
Verify dimensions by site measurement.
Read this drawing in conjunction with the latest architectural and structural drawings.

This drawing is based on the following information:-

Notes

1. This drawing to be read in conjunction with all mechanical, electrical & public health drawings for this contract.
2. All services work to be carried out in accordance with the relevant Engineering Specification for this contract.
3. All new distribution boards to be Schneider Electric Acti9, or equivalent and accepted. For details of new distribution boards refer to distribution board schedules E979000 and Electrical Services Specification.
4. Fused connection units for hand driers to be positioned at 2100mm AFFL on the centreline of the proposed hand drier with a flex outlet plate located behind the position of the hand drier. The ESI shall ensure that the setting out of the power for the hand driers is fully coordinated on site with the Architect.
5. Fused connection units for disabled toilet alarms to be located above ceiling and adjacent to disabled toilet alarm power supply unit.
6. Fused connection units for fan coil units to be coordinated with Mechanical Services Installer and positioned within 500mm of termination point. Final termination by MSI with ESI in attendance for circuit isolation etc.
7. Electric panel heaters supplied and installed by Mechanical Services Installer. Fused connection units for electric panel heaters to be coordinated with MSI and positioned within 200mm of termination point. Final termination by MSI with ESI in attendance for circuit isolation etc.

Revision	Date	Description	Drawn	Checked
03	09/09/22	Cat A / B Contractor Issue	MW	RMF
02	13/05/22	Stage 4 Tender Issue.	RMF	RMF
01	31/03/22	Stage 3 Issue.	RMF	RMF

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Client
Bruntwood

Project
38-42 Mosley Street
Grade 2* Listed Building Refurbishment

Drawing Title
Electrical Services
Basement Level
General Small Power &
Ancillary Services Layout

Scale	Sheet Size	Checked	Approved
1:100	A1	RMF	SR

Status: FOR INFORMATION
HM Project No.: 27618
Drawing No.: 27618-HM-ZZ-B1-DR-ES-3200
Rev: 03