
M&E MAINTENANCE

NATIONAL ARMY MUSEUM
CHELSEA

VOLUME III

MAINTENANCE SCHEDULE

Consulting Engineers:

**GLP Consulting Engineers Ltd
Unit 5 Howarth Court
Gateway Crescent
Oldham Broadway Business Park
Chadderton, Greater Manchester
OL9 9XB**

Client:

**National Army Museum
Royal Hospital Road
Chelsea
SW3 4HT**

DATE: FEBRUARY 2017

GLP Consulting Engineers Ltd

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Client

National Army Museum
Royal Hospital Road
Chelsea
SW3 4HT

GLP QA SYSTEM

Authorisation By:



Verification By:



Project Engineer:

P Kinsella/P Siddall

ELECTRICAL & MECHANICAL SCHEDULES - CHELSEA

<u>CONTENTS</u>	<u>MAINTENANCE CODE</u>	<u>PRIORITY</u> <u>RATING</u>
1	SWITCHGEAR AND DISTRIBUTION	1
2	LIGHTING & EMERGENCY LIGHTING	2
3	EXTERNAL LIGHTING	3
4	FIRE ALARM EQUIPMENT	1
5	GENERAL POWER	2
6	SECURITY SERVICES	1
7	LIGHTNING PROTECTION	3
8	BMS & HVAC CONTROLS	1
9	HEATING & COOLING	2
10	VENTILATION	2
11	HOT AND COLD WATER	2
12	WC'S, SINKS & BASINS	3
13	GAS	1
14	DISABLED WC ALARM & DISABLED REFUGE INTERCOMS	1
15	SPACE HEATING	3
16	DRAINAGE	1
17	CCTV	2
18	FIRE EXTINGUISHER	3
19	PASSENGER & DISABLED LIFTS	N/A

For priority rating reference, refer to Volume 1 = Clauses 2.3 and 2.4

APPENDIX 1

ABBREVIATIONS

MCCB	Moulded Case Circuit Breaker
MCB	Miniature Circuit Breaker
TP & N	Triple Pole and Neutral
SP & N	Single Pole and Neutral
BS	British Standard
CIBSE	Chartered Institute of Building Services Engineers
LGB	Lighting Guide No. 3
PM	Preventative Maintenance
CPC's	Circuit Protective Conductors
TRV	Thermostatic Radiator Valve
WC's	Water Closets
LTHW	Low Temperature Hot Water
DB	Distribution Board
LU	Dustproof/Moisture Proof Luminaires
LB	Low Brightness Luminaires
PL	Compact Fluorescent
LV	Low Voltage

GLP Consulting Engineers Ltd Unit 5, Howarth Court Oldham Broadway Business Park Chadderton OL9 9XB Tel: 0161 681 7070				Planned Maintenance Schedules Client: c/o National Army Museum Job Number: 1411 Date of Inspection 12th January 2017							
Building: - National Army Museum, Chelsea Schedule No:- 01 Services:- Switchgear and Distribution											
Equipment	Location	Quantity	Maintenance								Remarks
			Code	W	2H	M	Q	H	Y	2Y	
Main LV Switchboard - Kane Manufacturers - Schneider equipment c/w 1250 Amp incomer, PFC - 200 KVAR and integral surge suppression.	Basement Main Switchroom	1	E1						X	X	
400A Rising Busbar - includes all tap offs.	Ground to 2nd Floor	2	E1						X	X	
63A TPN lift isolators.	Roof	2	E1						X	X	
Chiller isolators.	Roof	2	E1						X	X	
Mechanical control panels (1, 2 and 3).	Basement & Roof	3	E1						X	X	
Kitchen equipment isolator.	Ground Floor	1	E1						X	X	
Schneider TPN split load type DB's and meters.	All	9	E1						X	X	
Schneider TPN DB's.	All	16	E1						X	X	

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Planned Maintenance Schedules
Client: c/o National Army Museum
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Date of Inspection 12th January 2017

Building: - National Army Museum, Chelsea Schedule No:- 02

Services:- Lighting & Emergency Lighting

Equipment	Location	Quantity	Maintenance								Remarks
			Code	W	2H	M	Q	H	Y	2Y	
See separate BDP Luminaire schedule for details of luminaire References and lamps.											
Lower Ground Floor											
A1		6	E2			X		X	X	X	
A2		5	E2			X		X	X	X	
A6a		103	E2			X		X	X	X	
A6b		21	E2			X		X	X	X	
A6c		3	E2			X		X	X	X	
A7		25 meters	E2			X		X	X	X	
A8		23	E2			X		X	X	X	
A9		29	E2			X		X	X	X	
A10a		11	E2			X		X	X	X	
A10a		6 meters	E2			X		X	X	X	
A10b		3	E2			X		X	X	X	
A14		2	E2			X		X	X	X	
A14E		5	E2			X		X	X	X	
A15		2	E2			X		X	X	X	
A16		43	E2			X		X	X	X	
A25		6	E2			X		X	X	X	
A26a		15	E2			X		X	X	X	
E1		19	E2			X		X	X	X	
E2		17	E2			X		X	X	X	
E3		10	E2			X		X	X	X	

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Building: - National Army Museum, Chelsea Schedule No:- 02
Services:- Lighting & Emergency Lighting

Equipment	Location	Quantity	Maintenance								Remarks
			Code	W	2H	M	Q	H	Y	2Y	
Ground Floor											
A1		44	E2			X		X	X	X	
A2		220	E2			X		X	X	X	
A3		8	E2			X		X	X	X	
A4		6	E2			X		X	X	X	
A6a		11	E2			X		X	X	X	
A6b		17	E2			X		X	X	X	
A6c		3	E2			X		X	X	X	
A7		60 meters	E2			X		X	X	X	
A8		6	E2			X		X	X	X	
A10a		11	E2			X		X	X	X	
A10b		2	E2			X		X	X	X	
A13		6	E2			X		X	X	X	
A14E		7	E2			X		X	X	X	
A16		20	E2			X		X	X	X	
A17		5	E2			X		X	X	X	
A18		12	E2			X		X	X	X	
A19		22	E2			X		X	X	X	
A24		8	E2			X		X	X	X	
A25		8	E2			X		X	X	X	
E1		10	E2			X		X	X	X	
E2		61	E2			X		X	X	X	
E3		3	E2			X		X	X	X	

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Building: - National Army Museum, Chelsea Schedule No:- 02

Services:- Lighting & Emergency Lighting

Equipment	Location	Quantity	Maintenance								Remarks
			Code	W	2H	M	Q	H	Y	2Y	
First Floor											
A1		76	E2			X		X	X	X	
A6b		11	E2			X		X	X	X	
A6a		5	E2			X		X	X	X	
A6d		1	E2			X		X	X	X	
A7		4 meters	E2			X		X	X	X	
A10a		4	E2			X		X	X	X	
A14		12	E2			X		X	X	X	
A14E		7	E2			X		X	X	X	
A15		1	E2			X		X	X	X	
A16		20	E2			X		X	X	X	
A17		2	E2			X		X	X	X	
E1		34	E2			X		X	X	X	
E2		20	E2			X		X	X	X	
E3		4	E2			X		X	X	X	

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Building: - National Army Museum, Chelsea Schedule No:- 02

Services:- Lighting & Emergency Lighting

Equipment	Location	Quantity	Maintenance								Remarks
			Code	W	2H	M	Q	H	Y	2Y	
Second Floor											
A1		89	E2			X		X	X	X	
A6a		6	E2			X		X	X	X	
A7		20 meters	E2			X		X	X	X	
A10a		4	E2			X		X	X	X	
A14E		7	E2			X		X	X	X	
A16		20	E2			X		X	X	X	
A20		9	E2			X		X	X	X	
A21		23 meters	E2			X		X	X	X	
A22		12	E2			X		X	X	X	
A23		12	E2			X		X	X	X	
E1		10	E2			X		X	X	X	
E2		1	E2			X		X	X	X	
E3		7	E2			X		X	X	X	
Dimmable lighting control panels - Pharos.	Throughout all areas	5	E2			X		X	X	X	
Dimmable lighting control panels - Helvar	Throughout all areas	5	E2			X		X	X	X	

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Building: - National Army Museum, Chelsea	Schedule No:- 03
Services:- External Lighting	

Equipment	Location	Quantity	Maintenance								Remarks
			Code	W	2H	M	Q	H	Y	2Y	
External Lighting TBA	Roof	4	E2					X	X	X	

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Building: -National Army Museum, Chelsea	Schedule No:- 04
Services:-Fire Alarm Equipment	

Equipment	Location	Quantity	Maintenance								Remarks
			Code	W	2H	M	Q	H	Y	2Y	
Main/repeater fire alarm panel analogue addressable Advanced Mx Pro.	Ground Floor	2	E5				X		X		
VESDA Units with Atrium and Display Areas - Xtratis.	Throuhgout	All	E5				X		X		
Advanced Addressable 1 - 8 loop fire alarm panel inc 6 loop card	Throuhgout	1	E5				X		X		
Repeat Panel	Throuhgout	1	E5				X		X		
Batteries for above	Throuhgout	4	E5				X		X		
Smoke (optical)	Throuhgout	130	E5				X		X		
Heat detector	Throuhgout	7	E5				X		X		
Standard base	Throuhgout	41	E5				X		X		
Interface unit	Throuhgout	65	E5				X		X		
Sounder/strobe base	Throuhgout	92	E5				X		X		
Sounder base	Throuhgout	4	E5				X		X		
Call point	Throuhgout	20	E5				X		X		
Sounder	Throuhgout	20	E5				X		X		
Aspirating panels	Throuhgout	10	E5				X		X		

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Date of Inspection 12th January 2017

Building: - National Army Museum, Chelsea	Schedule No:- 05
Services:- General Power	

Equipment			Location	Quantity	Maintenance								Remarks
					Code	W	2H	M	Q	H	Y	2Y	
General Power TBA					E3					X		X	

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Building: -National Army Museum, Chelsea Schedule No:- 06 Services:-Security Services/PA System/Induction Loops											
Equipment	Location	Quantity	Maintenance								Remarks
			Code	W	2H	M	Q	H	Y	2Y	
Intruder alarm SYSTEM including keypads, PIR's, Panel, Redcare Monitoring - Network Security	Main Panel in Security Room and equipment located throughout	1	E15					X	X		
Exhibit cabinet and Panic Alarm System - TBC	Main Panel in Security Room and equipment located throughout	1	E15					X	X		
Access control system including proximity readers, break glasses and push to exits. Include for re-programming of fobs as necessary - ADR System.	Throughout all areas	1	E15					X	X		
Mechanical Access Control System	Basement	1	E15					X	X		
Automatic Doors - Geze	All Areas	5	E15					X	X		
Car Park Automatic Gate and Intercom System	Ground Floor External - Car Park	1	E15					X	X		
PA system including headend and speakers (Bosch - PEL Systems).	Main Headend in Security room, Speakers throughout	1	E15					X	X		
Induction Loops - PEL Systems.	Throughout	6	E15					X	X		

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Building: - National Army Museum, Chelsea	Schedule No:- 07
Services:- Lightning Protection	

Roof lightning protection											
Equipment	Location	Quantity	Maintenance								Remarks
			Code	W	2H	M	Q	H	Y	2Y	
Roof lightning protection system including all roof tapes and electrodes.	Roof/Ground Floor	1	E9						X		

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Building: - National Army Museum, Chelsea Services:- BMS and HVAC Controls				Schedule No:- 08							
Equipment	Location	Quantity	Maintenance								Remarks
			Code	W	2H	M	Q	H	Y	2Y	
BMS system with front end PC (with graphics) with BMS outstations local to Boilers, Chiller and AHU plant at roof level. System model: BMS system enables control (set-point adjustment) and monitoring of all AHU plant and monitoring of boiler plant. Mitsubishi AG-150A controller - panel mounted to serve 4th floor VRF systems c/w control cabling to indoor/outdoor units. Control actuators, devices, gauges, thermostats and field wiring to all control valves on AHU plant.	TBC by Ashdown HVAC Controls Ltd <										

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Building: - National Army Museum, Chelsea			Schedule No:- 09								
Services:- Heating & Cooling											
Equipment	Location	Quantity	Maintenance								Remarks
			Code	W	2H	M	Q	H	Y	2Y	
Air Cooled Liquid Chiller Model: Lennox NAC270-DNM5M @ 272kw each @ 6/12°C operation. Refrigerant R410a. 3 phase 400V.	External Roof	2	M31 E6 E12			X	X X	X X	X X		plus E6, E12
Gas-Fired Condensing Boilers Model: Elco R607 @ max. 539kw each @ 80/60°C c/w flue to roof terminals.	Roof Plantroom	2	M2 M3 M6			X	X X	X X	X X		
Heating and Chilled Water Pump Sets P1/P2 LPHW CT Heating. Single head in-line pumps. Grundfos TPE 65-340/2	Roof Plantroom	2	M12 E12				X X	X X	X X		
P3/P4 LPHW VT Heating single head in-line pumps Grundfos TPE 32-180/2	Roof Plantroom	2	M12 E12				X X	X X	X X		
P7a/7b LPHW Primary Heating Twin head in-line pumps Grundfos TPE3 D40-2005	Roof Plantroom	1 (duty/std)	M12 E12				X X	X X	X X		
P8a/8b LPHW Primary Heating Twin head in-line pumps Grundfos TPE3D40-200	Roof Plantroom	1 (duty/std)	M12 E12				X X	X X	X X		
P9/10 Chilled Water Secondary Single head in-line pumps Grundfos TPE80-330/2	Roof Plantroom	2	M12 E12				X X	X X	X X		

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Building: - National Army Museum, Chelsea			Schedule No:- 09								
Services:- Heating & Cooling											
Equipment	Location	Quantity	Maintenance								Remarks
			Code	W	2H	M	Q	H	Y	2Y	
AC Condensing Units to serve AHU DX coils on AHU: AE01 and 02 - Archive Supply AHU AM01 and 02 - Armoury Store Supply AHU	External Roof	4	M25 E12			X	X	X X	X X		
AC Condensing Units (ref/serving) c/w internal AC units AC1 - LG24 - FRAME Room AC2- LG23 - Store Room AC3 - G15 - Control Room 1A AC4 - LG15 - Film Store AC5 - LG36 - Control Room 1B AC6 - LG36 - Control Room 1B AC7 - 1st Floor AV Control 2	External Roof	7	M25 E12			X	X	X X	X X		
LPHW Pressurisation Unit PU1 and expansion vessel. Grundfos PHT F225 c/w 500 litre expansion vessel.	Roof Plantroom	1	M10 E12					X X	X X		
Chilled Water Pressurisation Unit PU2 and expansion vessel. Model: Packaged twin pump unit Grundfos PHT F225 c/w 500 litre expansion vessel.	Roof Plantroom	1	M10 E12					X X	X X		
Chilled water Buffer vessel 200 litre storage capacity.	Roof Plantroom	1									
Heating/Chilled water air/dirt separators.	Roof Plantroom	2	M16						X		
Heating/Chilled water dosing pots.	Roof Plantroom	2	M15				X				

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Building: - National Army Museum, Chelsea Schedule No:- 09 Services:- Heating & Cooling											
Equipment	Location	Quantity	Maintenance								Remarks
			Code	W	2H	M	Q	H	Y	2Y	
Variable Air Volume (VAV) Boxes - Rectangular VAV terminal unit c/w Silencer model: TROX UK - TVJ - Easy model.		As Listed									
VAV/LG/TA/01	Templer Study A										
VAV/LG/TA/02	Templer Study A										
VAV/LG/TA/03	Templer Study A										
VAV/LG/TA/04	Templer Study A										
VAV/LG/GA/01	Group Area										
VAV/LG/CR/01	Corridor (LG.05)										
VAV/LG/L1/01	Learning Space 1										
VAV/LG/L2/02	Learning Space 2										
VAV/LG/EE/01	Entrance/Foyer										
VAV/LG/EE/02	Entrance/Foyer										
VAV/LG/SG/01	Soldier Gallery										
VAV/LG/SG/02	Soldier Gallery										
VAV/LG/SG/03	Soldier Gallery										
VAV/LG/SG/04	Soldier Gallery										
VAV/LG/KZ/01	Kids Zone										
VAV/LG/KZ/02	Kids Zone										
VAV/LG/DR/01	Dining Room										
VAV/LG/DR/02	Dining Room										
VAV/LG/TE/01	Temporary Exhibition										
VAV/LG/TE/01	Temporary Exhibition										
VAV/LG/TE/01	Temporary Exhibition										
VAV/LG/TE/01	Temporary Exhibition										
VAV/LG/TE/01	Temporary Exhibition										
VAV/LG/TE/01	Temporary Exhibition										

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Building: - National Army Museum, Chelsea Schedule No:- 09 Services:- Heating & Cooling											
Equipment	Location	Quantity	Maintenance								Remarks
			Code	W	2H	M	Q	H	Y	2Y	
VRF Condensers model: Mitsubishi multi-city serving 13 x ducted in-void units to open plan offices and 17 x ceiling cassette units to partitioned offices.	Roof/4th Floor	2 / 30	M25 E12 M19 E6			X	X X X	X X X X	X X X X		
Indoor unit mdels PLFY-P15, P20, P25, P40 and P50 VCM with 2 x BC boxes on refrigerant R410A.											
Split condensers c/w AC indoor units to 4th floor offices and ICT rooms c/w refrierant pipework/cabling.	Roof/4th Floor	3 / 3	M25 E12 M19 E6			X	X X X	X X X X	X X X X		
4-pipe Fan-Coil Units with ducted outlets. Model = Lennox (schedule to be provided).	Various Lower Ground and Ground	41	M29 E12				X X	X X X	X X X		Provide annual strainer clean.

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Building: - National Army Museum, Chelsea Schedule No:- 10 Services:- Ventilation											
Equipment	Location	Quantity	Maintenance								Remarks
			Code	W	2H	M	Q	H	Y	2Y	
AIR HANDLING UNITS comprise supply side: motorised air damper, primary bag filter, heat exchanger, heating and cooling coils, primary extract air filter, heat exchanger, heating and cooling coils, primary extract air filter and supply and extract air fans (refer specification documents provided).											
AHU No.1 - Soldier Gallery Temporary Exhibition (Supply and Extract air).	External Roof Plantroom	1	M27 E12				X	X	X X	X X	
AHU No.2 - Armoury (Supply and Extract air).	External Roof Plantroom	1									
AHU No.3 - Lower Ground Floor South Toilets (Supply and Extract air).	Internal Roof Plantroom	1									
AHU No.4 - Cafe (Supply and Extract air).	External Roof Plantroom	1									
AHU No.5A & B - Learning Spaces (Supply 5A and Extract 5B).	Internal Roof Plantroom	2									
AHU No.6 - Discovery Gallery (Supply and Extract air).	Internal Roof Plantroom	1									
AHU No.7 - Ground Floor South Toilets (Supply and Extract air).	Internal Roof Plantroom	1									
AHU No.8 - Lower Ground Floor Stores (Supply and Extract air).	Internal Roof Plantroom	1									
AHU No.9A & B - Society Gallery (Supply 9A and Extract 9B).	Internal Roof Plantroom	2									
AHU No.10A & B - Battle Gallery (Supply 10A and Extract 10B).	Internal Roof Plantroom	2									
AHU No.11 - North Toilets (Supply air).	First Floor Roof	1									
AHU No.12 - Boardroom (Supply and Extract air).	External Roof Plantroom	1									

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Building: - National Army Museum, Chelsea Schedule No:- 10 Services:- Ventilation											
Equipment	Location	Quantity	Maintenance								Remarks
			Code	W	2H	M	Q	H	Y	2Y	
AHU No.13 - Army Gallery (Supply and Extract air).	External Roof Plantroom	1	M27				X	X	X	X	
AHU No.14 - General (Supply and Extract air).	External Roof Plantroom	1	E12						X	X	
AHU No.15 - Retail (Supply and Extract air).	External Roof Plantroom	1									
AHU No.16 - Archive (Supply and Extract air).	External Roof Plantroom	1									
AHU No.17 - Kitchen Supply (Supply and Extract air).	External Roof Plantroom	1									
AHU No.AE01 and AE02 - Archive Supply/Re-circulation.	Lower Ground Floor Archive	1									
AHU No.AM01 and AM02 - Armoury Store Supply/Re-circulation.	Lower Ground Floor Armoury Store	1									
AHU - 4th Floor Offices - ATC with heat recuperator.	External Roof	1									
Kitchen Extract Air Fan - KE/GF/01 - Centrifuial box fan and kitchen extract air ductwork system.	External Roof Plantroom	1									
Ground and First Floor Toilets - TX/01/01- Extract twin fan unit.	First Floor Roof	1	M19 E12					X	X X	X X	
AHU Run-around Coil Pumps - Serving AHU 05 A/B, AHU 09 A/B and AHU 10 A/B systems.	Local to AHU Plant	3									
Electric Steam Humidifiers - Serving AHU 01, 02 and 16.	AHU 01, 02 and 16	3									
Kitchen Extract Filtration Unit - Duct mounted UV kitchen extract emissions control unit.	Ground Floor Kitchen	1									
All supply and extract ventilation air ductwork systems including all balancing dampers, fittings and air diffusers.	Throughout ductwork systems	All	M21							X	
All toilet extract air systems with ductwork, fittings, dampers and grilles in ceiling.	Toilet Risers	All	M21 E12						X	X X	
Smoke dampers on supply and extract air ductwork.	On ground floor slab ductwork only	3	M21							X	

GLP Consulting Engineers Ltd Unit 5, Howarth Court Oldham Broadway Business Park Chadderton OL9 9XB Tel: 0161 681 7070				Planned Maintenance Schedules Client: c/o National Army Museum Job Number: 1411 Date of Inspection 12th January 2017							
Building: - National Army Museum, Chelsea Services:- Hot and Cold Water				Schedule No:- 11							
Equipment	Location	Quantity	Maintenance								Remarks
			Code	W	2H	M	Q	H	Y	2Y	
Cat 5 Cold Water Booster Set. Model: Grundfos packaged single pump unit Hydro GTI-E1 XCME 3-4 - 0.4 litres/second @ 5 bar c/w cold water break tank.	Basement Plantroom	1	M48 E12			X	X X	X X	X		
Cold Water Storage Tanks -: Model: 6750 litres (tank no.1) and 4000 litres (tank no.2) sectional tanks by Nicholson Plastics Ltd .	Roof Tank Room	2	M14					X	X		
Main cold water conditioning unit. Model: Hydrotec /Hydromag DN50 electro-magnetic water conditioner c/w control box on flow rate 3.2 litres/second.	Basement Plantroom	1	M15	X			X		X		
DHWS cold feed UV Filtration Unit. Model: Hydrotec Hydro Fil FA-42 Fully automatic breakwash filtration unit.	Basement Plantroom	1	M15	X			X		X		
DHWS Packaged Calorifier and Plate Heat Exchanger Model: GMS VTC 300/35 X	Basement Plantroom	2	M47 E13			X		X	X		
DHWS Secondary Return Pump Model: Grundfos UPS25-80N 180	Basement Plantroom	2									
Water Saving PIR and solenoid valve systems. Model: Robert Pearson and Co.	All Toilets	All	M15	X			X		X		

GLP Consulting Engineers Ltd Unit 5, Howarth Court Oldham Broadway Business Park Chadderton OL9 9XB Tel: 0161 681 7070	Planned Maintenance Schedules Client: c/o National Army Museum Job Number: 1411 Date of Inspection 12th January 2017
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Building: - National Army Museum, Chelsea	Schedule No:- 12
Services:- WCs Sinks Basins	

Equipment	Location	Quantity	Maintenance								Remarks
			Code	W	2H	M	Q	H	Y	2Y	
W.C with auto-flush mechanism (dav wave-on model)	Male Public WC	4	M36 M37					X X	X X		
Urinal with auto-flush	Male Public WC	5									
Wash hand basin with autotaps	Male Public WC	3									
W.C with auto-flush mechanism (dav wave-on model)	Female Public WC	5									
Wash hand basin with autotaps	Female Public WC	5									
WC's, Urinals and wash hand basins.	4th Floor Admin Toilets	All									
WC's, Urinals and wash hand basins.	Ground Floor Disabled Toilets	All									
Hot and cold water services pipework including all valves, fittings and taps.	Throughout Toilet Facilities	All	M36 M16					X X	X X		
Macerators	Public Toilets	All									
Landlords WC's, sinks and basins to include for all associated sanitaryware, taps and soil and waste pipework above ground to cover listed toilet facilities as herein identified.											
Key: WC = Water closet with associated cistern and all water and soil fittings. WHB =Wash hand basin and all water and waste fittings.	As Listed Above	All	M36 M37						X X	X X	
Sink = Kitchen or cleaners sink and all water and waste fittings.											

GLP Consulting Engineers Ltd Unit 5, Howarth Court Oldham Broadway Business Park Chadderton OL9 9XB Tel: 0161 681 7070				Planned Maintenance Schedules Client: c/o National Army Museum Job Number: 1411 Date of Inspection 12th January 2017							
Building: - National Army Museum, Chelsea Schedule No:- 13 Services:- Gas											
Equipment	Location	Quantity	Maintenance								Remarks
			Code	W	2H	M	Q	H	Y	2Y	
Gas meter and Governer pipework arrangement Model size: G100 = 160m ³ /h max.	Internal Gas Meter Room	All	M5	X		X					
Emergency Gas-shut off valve c/w emergency stop button on entrance to boiler room.	Boiler Room	1	M9				X	X	X		
Gas distribution pipework to 2 x gas boilers and kitchen including all valves, fittings and pipework.	Basement to Roof Boiler Room	All	M9				X	X	X		
Gas Proving System Model: SAS Northern Ltd	Ground Floor Kitchen	1									
Gas Detection System Model: SAS Northern Ltd	Roof Plantroom	1									

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Building: - National Army Museum, Chelsea	Schedule No:- 14
Services:- Disabled WC Alarm & Disabled Refuge Intercoms	

Equipment	Location	Quantity	Maintenance								Remarks
			Code	W	2H	M	Q	H	Y	2Y	
Disabled WC Alarm	All	4	E20	X		X					
Disabled Refuge intercoms master and slaves.			E20	X		X					

GLP Consulting Engineers Ltd Unit 5, Howarth Court Oldham Broadway Business Park Chadderton OL9 9XB Tel: 0161 681 7070			Planned Maintenance Schedules Client: c/o National Army Museum Job Number: 1411 Date of Inspection 12th January 2017								
Building: - National Army Museum, Chelsea Services:- Space Heating			Schedule No:- 15								
Equipment	Location	Quantity	Maintenance								Remarks
			Code	W	2H	M	Q	H	Y	2Y	
Trench Heaters TH/G/01 and 02. Model: LPHW heaters in floor trench by Fraser Engineering Ltd. Overdoor Air Curtains DC/01 and 02 Zen G 1500p 16kw Zen G 2500p 32kw Model: JS Air Curtain - LPHW exposed model. Electric Underfloor Heating Manufacturer: CTD Chester Ltd	Ground Floor Entrance	All									
	Ground Floor Draught Lobby	1									
	Lower Ground Floor Staff Entrance	1									
	All toilets	All									

GLP Consulting Engineers Ltd Unit 5, Howarth Court Oldham Broadway Business Park Chadderton OL9 9XB Tel: 0161 681 7070				Planned Maintenance Schedules Client: c/o National Army Museum Job Number: 1411 Date of Inspection 12th January 2017							
Building: - National Army Museum, Chelsea Services:- Drainage				Schedule No:- 16							
Equipment	Location	Quantity	Maintenance								Remarks
			Code	W	2H	M	Q	H	Y	2Y	
All soil and waste pipework from Sanitaryware to stacks to manhole chambers.	Throughout	All	M37					X	X		
Below ground drainage on site at sub-floor level to roadway - on combined system including all drains and gulleys.	Throughout	All	M42					X	X		

GLP Consulting Engineers Ltd Unit 5, Howarth Court Oldham Broadway Business Park Chadderton OL9 9XB Tel: 0161 681 7070				Planned Maintenance Schedules Client: c/o National Army Museum Job Number: 1411 Date of Inspection 12th January 2017							
Building: -National Army Museum, Chelsea Services:-CCTV				Schedule No:- 17							
Equipment	Location	Quantity	Maintenance								Remarks
			Code	W	2H	M	Q	H	Y	2Y	
CCTV system headend including recording medium and monitors. IP - digital cameras - Network Security	Ground Floor		E14					X	X		
IP CCTV Cameras	All	80	E14					X	X		

GLP Consulting Engineers Ltd
Unit 5, Howarth Court
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Planned Maintenance Schedules
Client: c/o National Army Museum
Job Number: 1411

Date of Inspection 12th January 2017

Building: -National Army Museum, Chelsea
Services:-Fire Extinguishers

Schedule No:- 18

Fire Extinguishers											
Equipment	Location	Quantity	Maintenance								Remarks
			Code	W	2H	M	Q	H	Y	2Y	
9 litre water extinguishers.	All	29	M40			X			X		
2KG CO ² extinguishers.	All	34	M40			X			X		
Fire Blankets.	All	2	M40			X			X		

GLP Consulting Engineers Ltd Unit 5, Howarth Court Oldham Broadway Business Park Chadderton OL9 9XB Tel: 0161 681 7070				Planned Maintenance Schedules Client: c/o National Army Museum Job Number: 1411 Date of Inspection 12th January 2017							
Building: -National Army Museum, Chelsea				Schedule No:- 19							
Services:-Passenger Lifts and Disabled Lifts											
Equipment	Location	Quantity	Maintenance								Remarks
			Code	W	2H	M	Q	H	Y	2Y	
Passenger Lifts and Disabled platforms covered under standard 12 month service maintenance cover by others.											
Disabled refuge main panel	Throughout	1									
Call point	Throughout	16									
Slave unit	Throughout	1									
Disabled toilet alarm panel	Throughout	1									
Disabled toilet alarm kit	Throughout	5									