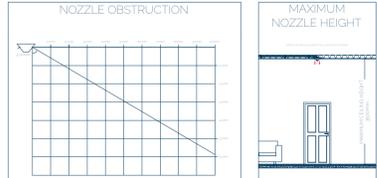
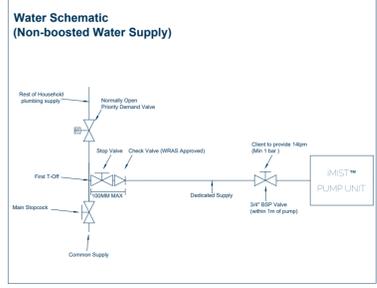
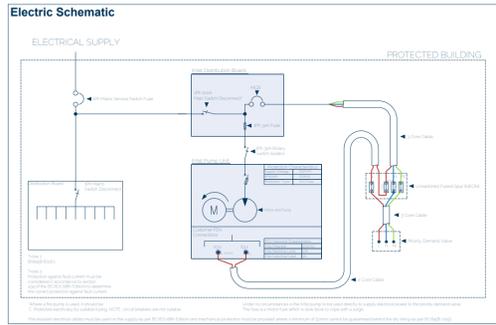
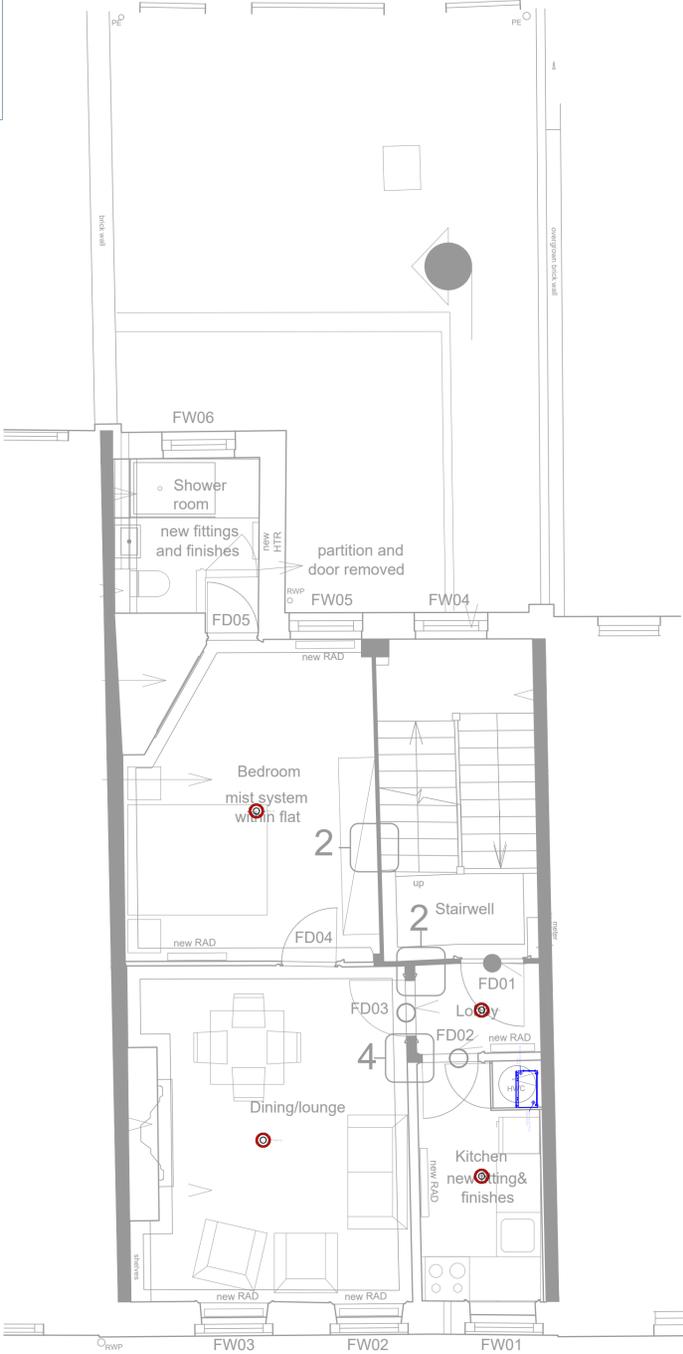


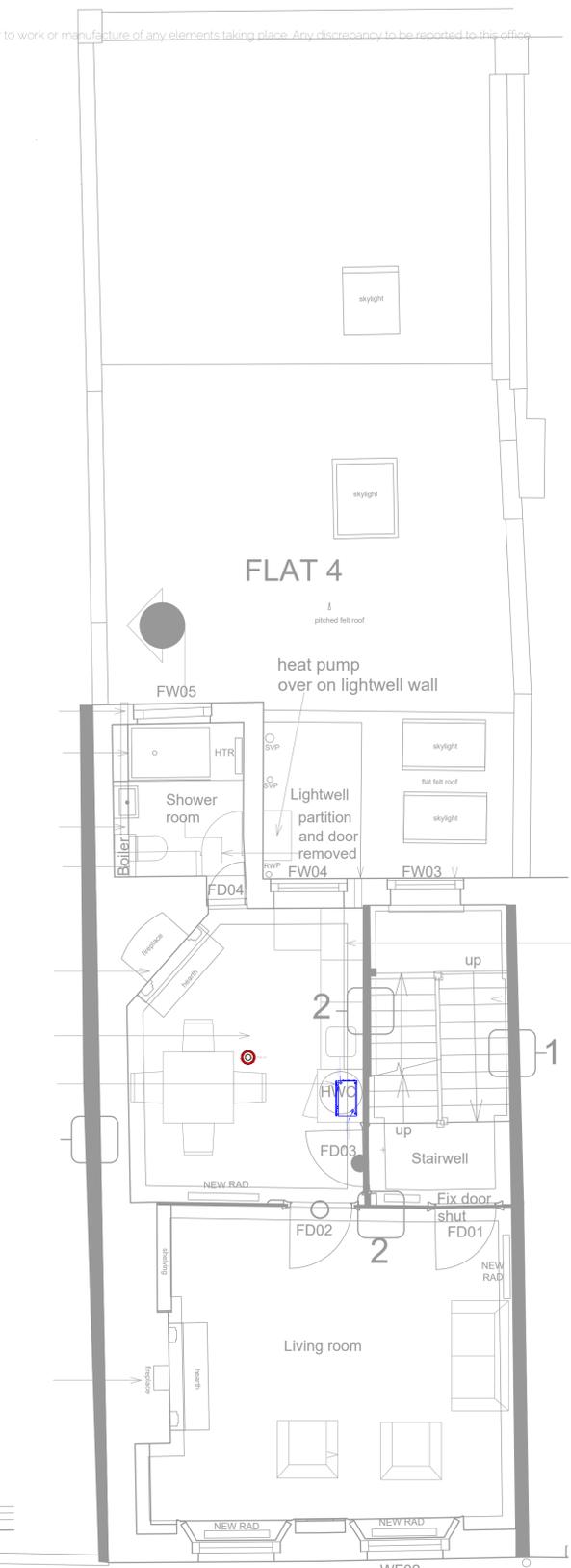
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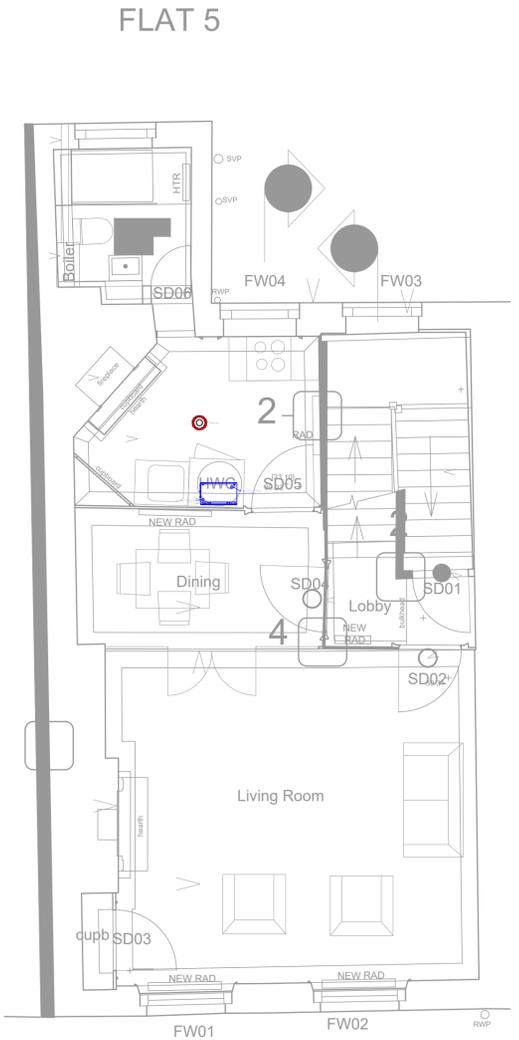
	QUANTITY
STN2 (STANDARD)	6
STN2-LUMI	0
BLOCK-SIDE	0
STN2 ONLY ISS DRGR	0
TOTAL	6
STX2-2	3
RISERS	3
3/8" PIPE	185.6m
12L PIPE	80.1
TOTAL PIPE	265.7m
T-PIECE	0
RAL COLOUR	



Proposed first floor plan  
NO 45 GREAT ORMOND STREET



Proposed first floor plan  
NO 51 GREAT ORMOND STREET



Proposed second floor plan  
NO 51 GREAT ORMOND STREET

STN12 NOZZLE	
TEMPERATURE RATING	57°C - 141°C
DESIGN PRESSURE MINIMUM	80 bar
DESIGN FLOW MINIMUM	6 litres per minute
ACTIVATION	Fast Response Frangible Bulb
K FACTOR	0.8
COVERAGE	Up to 4.5m <sup>2</sup> *Ceiling height dependant
STANDARD FITTING	BLOCK FITTING
LUMI-PLUGIN FITTING	

STX2-2 PUMP UNIT	
*REQUIRED FLOW	14 lpm
MINIMUM REQUIRED PRESSURE	1 bar
DIMENSIONS (WITHOUT CLEAR SPACE)	
L	580mm
H	550mm
D	410mm
*BS8458:2015 REQUIRES ADDITIONAL 15% FLOW. TOTAL FLOW REQUIRED 14 lpm.	
THE IMIST PUMP UNIT CONTAINS AN AUDIBLE ALARM UPON ACTIVATION / POWER LOSS.	
ELECTRIC INLET	

PIPEWORK & OTHER		
RISER 3/8"		HIGH CEILING HEIGHT
PIPEWORK		ROOFLIGHT / SKYLIGHT
12L 3/8"		IMPORTANT INFORMATION Aa
PTFE06 3/8" SMOOTH BORE STAINLESS STEEL FLEXIBLE HOSE MUST BE BEHIND A 30 MINUTE FIRE BARRIER AT CEILING LEVEL. LOW LEVEL PUMP CONNECTION HOSE IS NOT APPLICABLE.		



PROJECT ADDRESS  
45 & 51 Great Ormond Street  
London  
WC1N 3HZ

TITLE	WATERMIST LAYOUT	DATE	23/04/2024
PROJECT NUMBER	Q22-12702	REV NO	21

REGISTERED ADDRESS: 4 ABBEY WOOD ROAD, KINGS HILL, WEST MALLING, KENT, ME19 4AB

CONTACT: 0808 122 3344, WWW.IMIST.COM, SALES@IMIST.COM

TO THE CLIENT:  
IF YOU REQUIRE PIPE IDENTIFICATION TO BS 1710, PLEASE INFORM I-MIST BEFORE PROJECT COMMENCEMENT. IDENTIFICATION CAN BE PROVIDED BY I-MIST AT EXTRA COST.  
I-MIST LTD EXCLUDES LIABILITY FOR ANY DAMAGE CAUSED BY FROST OR FREEZING TEMPERATURES.  
IT IS THE CLIENTS RESPONSIBILITY TO TAKE ALL NECESSARY PRECAUTIONS TO PREVENT WATER IN THE PIPEWORK/EQUIPMENT FROM FREEZING DUE TO COLD WEATHER.  
IT IS THE CLIENTS RESPONSIBILITY TO INFORM I-MIST LTD OF ANY AREAS WHERE THE AMBIENT TEMPERATURE COULD EXCEED 38°C.  
FOR NORMAL CONDITIONS IN THE UNITED KINGDOM THE WATERMIST NOZZLE TEMPERATURE RATINGS ARE BETWEEN 57°C AND 68°C.  
PIPES OR ANY OTHER ITEMS OF PLANT MATERIALS MUST NOT AT ANY TIME BE ATTACHED TO OR SUPPORTED FROM ANY PART OF THE FIRE PROTECTION EQUIPMENT, CONTROLS, NOZZLES ETC.  
NOZZLES MUST NOT BE PAINTED, CLEANED OR INTERFERED WITH IN ANY WAY.  
THIS DRAWING MUST BE FULLY CO-ORDINATED WITH ALL OTHER SERVICES AND CONSTRUCTION ISSUE DRAWINGS FOR IN THIS PROJECT. I-MIST LTD MUST BE NOTIFIED OF ANY CLASHES WITHIN 7 DAYS OF ISSUE.  
ANY SITE ALTERATIONS REQUIRED AS A RESULT OF NON / LATE CO-ORDINATION OR INFORMATION WILL BE CHARGEABLE.  
ALL SLEEVES / FIRE STOPPING TO BE INSTALLED BY OTHERS.  
CLIENT TO UNDERTAKE DRILLING OF 25MM HOLES THROUGH ALL NECESSARY BEAMS, STRUCTURAL ELEMENTS OR OBSTRUCTIONS FOR PASSAGE OF PIPEWORK.  
CLIENT TO UNDERTAKE CUTTING OF ALL 76MM HOLES IN PLASTERBOARD FOR NOZZLE INSTALLATION.  
PLEASE SEE PRE-INSTALL GUIDE FOR ELECTRICAL AND MECHANICAL REQUIREMENTS OF THE IMIST SYSTEM PRIOR TO INSTALLATION.

NOTES:  
PUMP LOCATION TO BE SPECIFIED AND AGREED AT SITE VISIT.  
A COMPLETION CERTIFICATE WILL BE ISSUED AT THE END OF THE PROJECT TO CONFIRM THAT THE INSTALLATION IS IN COMPLIANCE WITH BS 8458:2015 AND/OR AHJ REQUIREMENTS.  
ANY ADDITIONAL COVERAGE OR LOSS OF COVERAGE WILL NEED TO BE APPROVED BY THE AHJ (AUTHORITY HAVING JURISDICTION).  
PRESSURE AT NOZZLE (STANDING) TOWNS MAINS PRESSURE.  
THE SYSTEM IS A WET PIPE SYSTEM.  
EXACT NOZZLE LOCATIONS ARE SUBJECT TO REVIEW ON SITE. NOZZLES CAN BE INSTALLED WITHIN A TOLERANCE OF 300MM OF THE DESIGNED LOCATION - UNLESS HIGHLIGHTED OTHERWISE.

DESIGN SPECIFICATION HAZARD CLASS PUMP DISCHARGE RATE NOZZLE DROP WATER SUPPLY	BS8458:2015 DOMESTIC 12 LITRES PER MINUTE 27MM MAINS FED PUMP UNIT
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I-MIST LTD DESIGN DECLARATION OF CONFORMITY  
I-MIST LTD CONFIRM THAT THE WATERMIST SYSTEM DESIGN / INSTALLATION WITHIN THE PROTECTED AREAS ONLY AND ALL MANUFACTURED WATERMIST EQUIPMENT AND APPLICABLE TO POSITIVE DISPLACEMENT PUMPS ARE IN GENERAL ACCORDANCE WITH BS 8458:2015 REQUIREMENTS.

REV	DESCRIPTION	DATE	DRAWN	CHECKED
21	ADDRESS CHANGE	23/04/2024	SW	
2	ADDED COVERAGE & UPDATED PLAN	17/04/2024	SW	
1	REDUCED COVERAGE & UPDATED PLAN	24/08/2022	SW	
0	FOR APPROVAL	11/07/2022	SW	