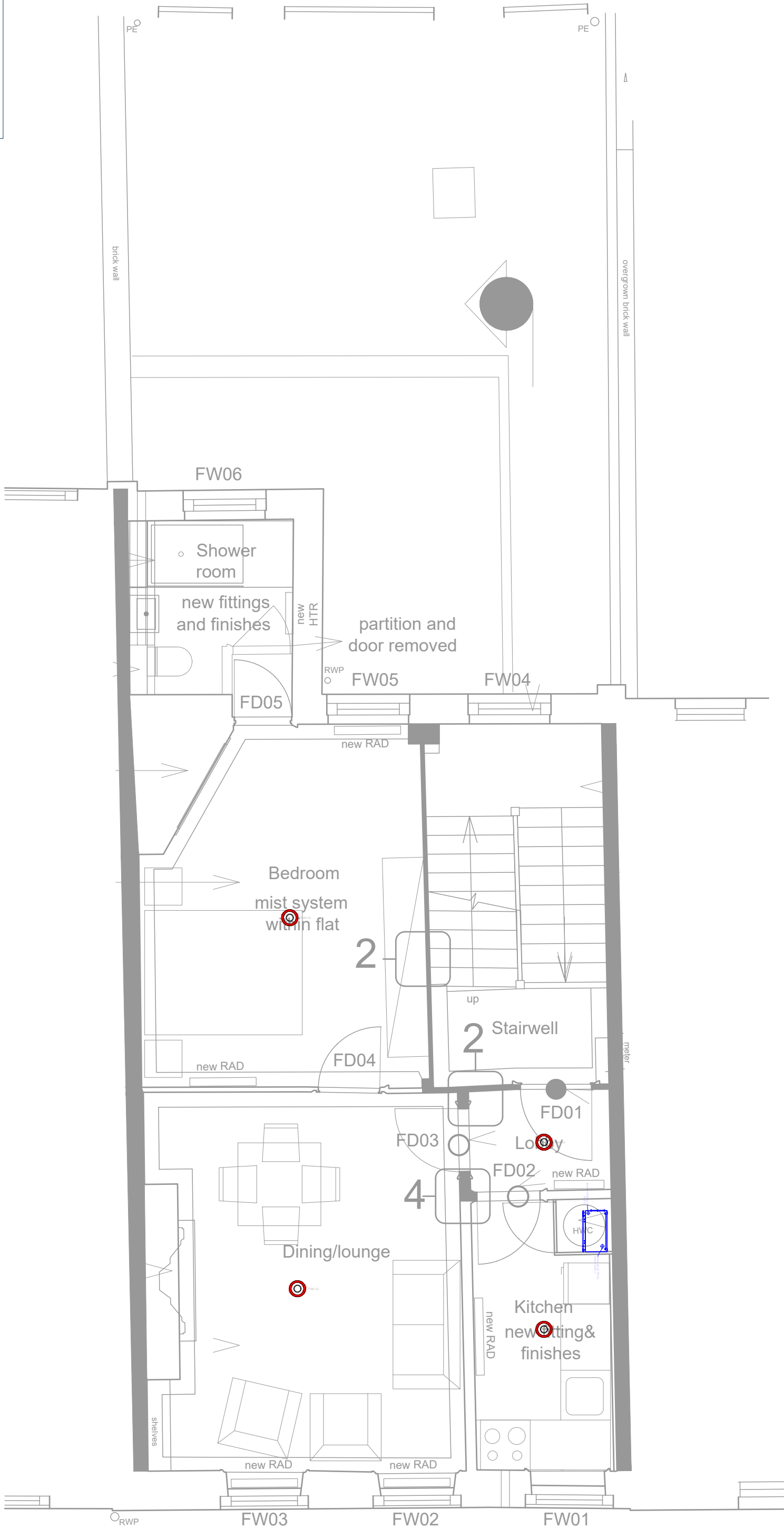


	QUANTITY	
STN32 (STANDARD)	6	
STN32-LUM	0	
BLOCK-SIDE	0	
STN32 ONLY (SS DROP)	0	
TOTAL	6	
STX32-2	3	
RISERS	3	
3/8" PIPE	18.641	
12L PIPE	30.1	
TOTAL PIPE	30.1	
T-PIECE	0	
RAL COLOUR		




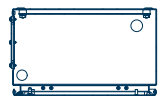








Architectural floor plan of Flat 4, showing proposed alterations. The plan includes a Living room, Kitchen, Dining room, Shower room, and Stairwell. Key features include a pitched felt roof, skylights, a heat pump over a lightwell wall, and various doors and windows. The plan is labeled with room names, door codes (FD01, FD02, FD03, FD04), window codes (FW03, FW04, FW05), and other identifiers like HTR, SVP, RWP, and NEW RAD. A red circle with a '2' is located in the Dining room area.

FLAT 5

The floor plan of Flat 5 includes the following details:

- Rooms and Furniture:**
 - Living Room:** Features a large sofa, two armchairs, and a coffee table.
 - Dining:** Includes a dining table and chairs.
 - Kitchen:** Contains a sink, stove, and a refrigerator.
 - Bedroom:** Includes a bed, a desk, and a chair.
 - Bathroom:** Includes a bathtub, toilet, and sink.
 - Hallway:** Features a coat closet and a shoe cabinet.
- Heating System Components:**
 - Boiler:** Located in the kitchen area.
 - RAD (Radiator):** Multiple radiators are shown, including a large one in the living room and several in the bedrooms and bathroom.
 - SD (Smart Device):** Several SD units are shown, including SD01, SD02, SD03, SD04, SD05, and SD06.
 - FW (Fire Wall):** FW01, FW02, FW03, and FW04 are indicated.
 - Q (Control Unit):** Q01, Q02, Q03, and Q04 are shown.
 - SW (Switch):** SW01, SW02, SW03, and SW04 are indicated.
- Other Features:**
 - Staircase:** A central staircase with a handrail.
 - Entrance:** A front entrance with a door and a small porch.
 - Windows:** Several windows are shown, including a large one in the living room and smaller ones in the bedrooms and bathroom.

<p>STN12 NOZZLE</p> <p>TEMPERATURE RATING DESIGN PRESSURE MINIMUM DESIGN FLOW MINIMUM ACTIVATION K FACTOR COVERAGE</p>	<p>57°C - 141°C 80 bar 6 litres per minute Fast Response Frangible Bulb 0.8 Up to 45m² *Ceiling height dependant</p>
<p> STANDARD FITTING</p>	<p> BLOCK FITTING</p>
<p> LUMI-PLUGIN FITTING</p>	
<p>STX12-2 PUMP UNIT</p>	
<p>*REQUIRED FLOW MINIMUM REQUIRED PRESSURE</p>	<p>14 lpm 1 bar</p>
<p>DIMENSIONS (WITHOUT CLEAR SPACE) L 580mm H 550mm D 410mm</p>	
<p>*BS8458: 2015 REQUIRES ADDITIONAL 15% FLOW. TOTAL FLOW REQUIRED 14 lpm.</p>	
<p>THE IMIST PUMP UNIT CONTAINS AN AUDIBLE ALARM UPON ACTIVATION / POWER LOSS</p>	
	<p>ELECTRIC INLET </p>
<p>WATER INLET </p> <p>INC. PRV</p>	

PIPEWORK & OTHER			
RISER 3/8"		HIGH CEILING HEIGHT	
PIPEWORK		ROOFLIGHT / SKYLIGHT	
12L 3/8"		IMPORTANT INFORMATION	Aa

PTFEo6 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	2.1



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 EXCLUDE LIABILITY FOR ANY DAMAGE CAUSED BY FROST OR FREEZING TEMPERATURES.

IT IS THE CLIENT'S RESPONSIBILITY TO TAKE ALL NECESSARY PRECAUTIONS TO PREVENT WATER IN THE PIPEWORK/EQUIPMENT FROM FREEZING DUE TO COLD WEATHER.

IT IS THE CLIENT'S 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 5°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 EN 1258:2015 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	B58465-2015 DOMESTIC 12 LITRES PER MINUTE 27MM MAINS FED PUMP UNIT
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IMIST LTD DESIGN DECLARATION OF CONFORMITY

IMIST LTD CONFIRM THAT THE WATERMIST SYSTEM DESIGN / INSTALLATION WITHIN THE PROTECTED AREAS ONLY AND ALL MANUFACTURED WATERMIST EQUIPMENT AND APPLICABLE TO POSITIVE DISCHARGE PUMPS ARE IN GENERAL ACCORDANCE WITH BS 8468 2015 REQUIREMENTS.

-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
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	-
REV	DESCRIPTION	DATE	DRAWN	CHECKED