

IMIST KEY

STN12 NOZZLE
 TEMPERATURE RATING 57°C - 141°C
 DESIGN PRESSURE MINIMUM 60 bar
 DESIGN FLOW MINIMUM 10 litres per minute
 ACTIVATION Fast Response Frangible Bulb

STANDARD FITTING BLOCK FITTING
 LUMB-FLUGH FITTING

STX12-3 PUMP UNIT
 REQUIRED FLOW 13.8 lpm
 MINIMUM REQUIRED PRESSURE 1 bar
 DIMENSIONS (WITHOUT CLEAR SPACE)
 L 300mm
 H 200mm
 D 200mm

*BS8458: 2015 requires additional 15% flow.
 Total flow required 13.8lpm.

IZONE (ZONAL ALARM VALVE SET)
 NORMALLY OPEN CONTACT
 CONNECTION TO FIRE ALARM PANEL - BY OTHERS
 DIMENSIONS (WITHOUT CLEAR SPACE)
 L 300mm
 H 200mm
 D 200mm

OTHER
 RISER
 PIPEWORK
 HIGH CEILING HEIGHT
 IMPORTANT INFORMATION

PIPEWORK FIXING
 HOOD
 BRACKET
 PLATE/STRAP
 PLATE/STRAP

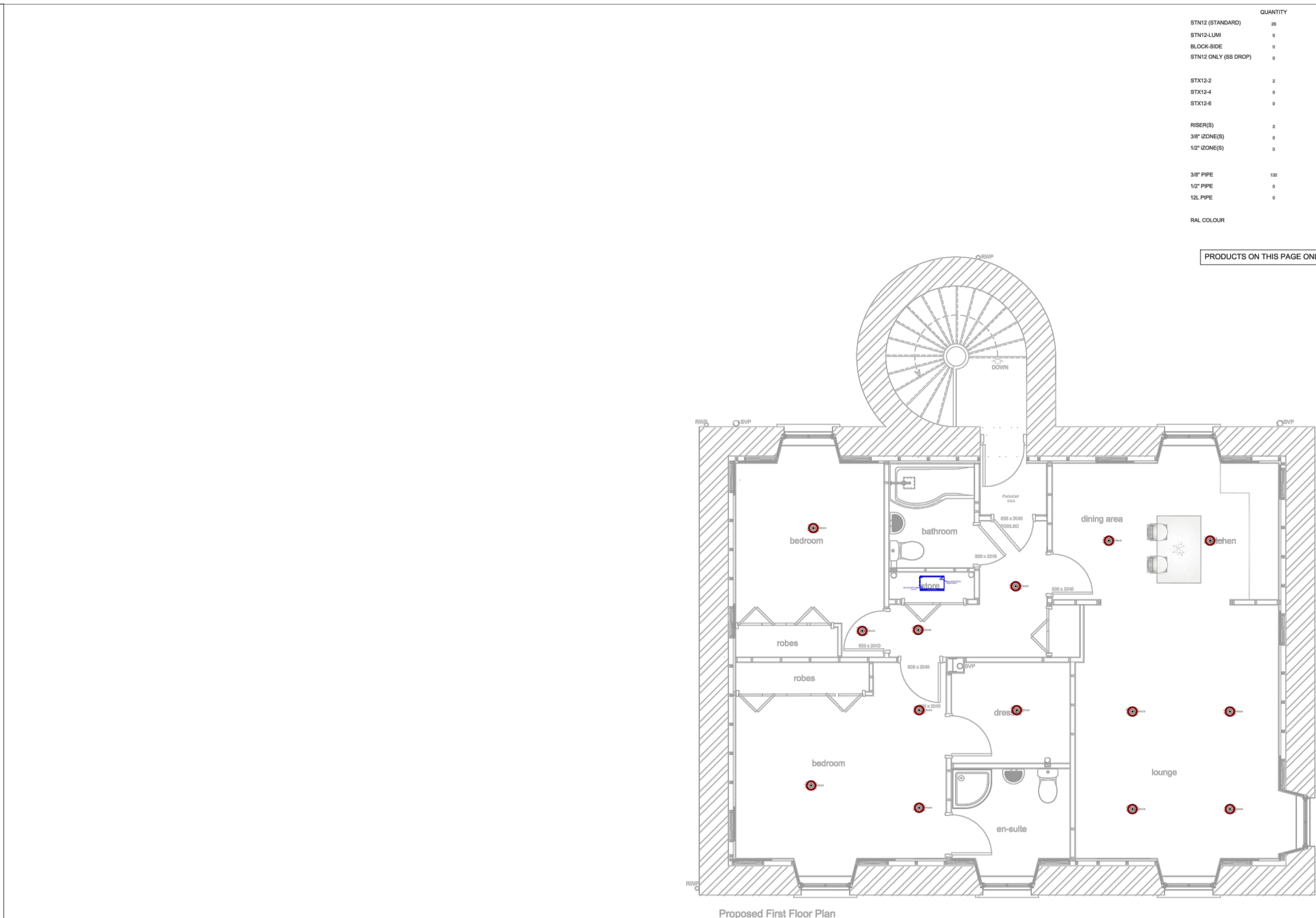
NOZZLE OBSTRUCTION

ELECTRIC & WATER SCHEMATIC
 Standard IMIST Requirements

PDV SCHEMATIC

PRODUCTS FOR FULL PROJECT

	QUANTITY
STN12 (STANDARD)	26
STN12-LUM	0
BLOCK-SIDE	0
STN12 ONLY (SS DROP)	0
STX12-2	2
STX12-4	0
STX12-6	0
RISER(S)	2
3/8" IZONE(S)	0
1/2" IZONE(S)	0
3/8" PIPE	100
1/2" PIPE	0
1/2L PIPE	0
RAL COLOUR	



Proposed First Floor Plan

	QUANTITY
STN12 (STANDARD)	26
STN12-LUM	0
BLOCK-SIDE	0
STN12 ONLY (SS DROP)	0
STX12-2	2
STX12-4	0
STX12-6	0
RISER(S)	2
3/8" IZONE(S)	0
1/2" IZONE(S)	0
3/8" PIPE	100
1/2" PIPE	0
1/2L PIPE	0
RAL COLOUR	

PRODUCTS ON THIS PAGE ONLY

DESIGN SPECIFICATION
 HAZARD CLASS DOMESTIC
 PUMP DISCHARGE RATE 12 LITRES PER MINUTE
 NOZZLE DROP 27MM
 WATER SUPPLY MAINS FED PUMP UNIT

BS8458:2015
 DOMESTIC
 12 LITRES PER MINUTE
 27MM
 MAINS FED PUMP UNIT

IMIST LTD DESIGN DECLARATION OF CONFORMITY
 IMIST LTD CONFIRM THAT THE WATERMIST SYSTEM DESIGN / INSTALLATION WITHIN THE PROTECTED AREA(S) ONLY AND ALL MANUFACTURED WATERMIST EQUIPMENT AND APPLICABLE TO POSITIVE DISPLACEMENT PUMPS ARE IN ACCORDANCE WITH BS 8458: 2015 REQUIREMENTS.

NOTES:
 PUMP LOCATION TO BE SPECIFIED AT SITE VISIT.
 DESIGN PRODUCED IN LINE WITH THE IMIST LTD 'DESIGN AND INSTALLATION MANUAL' (QA1 ISSUE 2).
 ANY EXTRA NOZZLES OR LOSS OF NOZZLES WILL NEED TO BE APPROVED BY THE AHJ (AUTHORITY HAVING JURISDICTION).
 PRESSURE AT NOZZLE (STANDING): TOWNS MAINS PRESSURE.
 IMIST ONLY REQUIRE NATURAL VENTILATION PROVIDED BY WINDOWS AND DOORS INSTALLED.
 ALL PIPE TO BE PTFE66 3/8" SMOOTH BORE STAINLESS STEEL FLEXIBLE HOSE.
 ALL EXPOSED PIPING TO BE STAINLESS STEEL.
 EXACT NOZZLE LOCATIONS ARE SUBJECT TO CHANGE ON SITE INSTALL / REVIEW CONDITIONS AND SHOULD BE INSTALLED WITHIN 300MM OF DESIGNED LOCATION UNLESS HIGHLIGHTED OTHERWISE.

TO THE INSTALLER:
 WET PIPE SYSTEM
 SYSTEM TO BE PRESSURE TESTED AS SOON AS POSSIBLE AFTER 1ST FIX COMPLETION
 NOZZLES MUST BE INSTALLED AS SHOWN
 NOZZLE SHOULD BE POSITIONED IN ACCORDANCE WITH OBSTRUCTION GRAPH TO AVOID IMPACT ON DISCHARGE
 P CLIPS TO BE INSTALLED NOMINAL 300MM SUBJECT TO SITE CONDITIONS.
 ALL NOZZLES TO BE INSTALLED OFF TEE BRANCH

TO THE CLIENT:
 IF YOU REQUIRE PIPE IDENTIFICATION TO BS 1710, PLEASE INFORM IMIST BEFORE PROJECT COMMENCEMENT. IDENTIFICATION CAN BE PROVIDED BY IMIST AT A COST.
 IMIST LTD DO NOT ACCEPT AND RESPONSIBILITY FOR DAMAGE CAUSED BY FROST OR FREEZING TEMPERATURES.
 NOTE: IT IS THE CLIENT'S RESPONSIBILITY TO TAKE CORRECT PRECAUTIONS TO PREVENT WATER IN THE PIPEWORK/EQUIPMENT FROM FREEZING DUE TO COLD WEATHER.
 IT IS THE CLIENT'S RESPONSIBILITY TO INFORM IMIST LTD OF ANY AREAS WHERE THE AMBIENT TEMPERATURE WILL EXCEED 38°C.
 NOTE: PER BS 8458:2015, FOR NORMAL CONDITIONS IN THE UNITED KINGDOM THE WATERMIST NOZZLE TEMPERATURE RATINGS ARE BETWEEN 57°C AND 68°C.
 PIPES, SCAFFOLDING 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.
 MINIMUM 1 BAR, MAXIMUM 3 BAR INCOMING PRESSURE TO PUMP OTHERWISE PRESSURE RELIEF VALVE TO BE INSTALLED
 NOZZLES MUST NOT BE PAINTED.
 THIS DRAWING SHOULD BE FULLY CO-ORDINATED WITH ALL OTHER SERVICES AND CONSTRUCTION DRAWINGS INVOLVED IN THIS PROJECT. IMIST LTD SHOULD BE NOTIFIED OF ANY CLASHES WITHIN 7 DAYS OF ISSUE.
 ANY SITE ALTERATIONS REQUIRED AS A RESULT OF LATE CO-ORDINATION OR INFORMATION WILL BE CHARGEABLE.
 THE SQUARE METER IS APPROXIMATE AND IT IS THE CUSTOMERS RESPONSIBILITY TO INFORM IMIST IF THEY HAVE UNDERESTIMATED ROOM BUILDING SIZES.
 SLEEVES / FIRE STOPPING TO BE INSTALLED BY OTHERS.
 CLIENT TO UNDERTAKE 25MM HOLES THROUGH BEAMS, STRUCTURAL ELEMENTS OR OBSTRUCTIONS.
 ALSO TO CUT 76MM HOLE FOR NOZZLE LOCATION.
 CLIENT TO INSTALL INTERCONNECTING CABLES FROM ALL FLOW SWITCHES AND PUMP RUNNING TERMINAL, TO MAIN FIRE ALARM PANEL TO INITIATE SITE WIDE GENERAL ALARM.

PLEASE SEE WORKS IN ASSOCIATION SECTION OF YOUR QUOTATION FOR ELECTRICAL AND MECHANICAL REQUIREMENTS OF THE IMIST SYSTEM PRIOR TO INSTALLATION.

0	FOR APPROVAL	25/09/2023	SW	-
REV	DESCRIPTION	DATE	DRAWN	CHECKED

ISSUED FOR
 CUSTOMER APPROVAL / AHJ APPROVAL / CONSTRUCTION / COMPLETION

PROJECT ADDRESS
 1 Glasgow Road
 Paisley
 Renfrewshire
 PA1 3PX

SCOPE OF WORKS 2 DOMESTIC PUMPS(S) & 26 NOZZLES	TITLE GROUND-FIRST FLOOR LAYOUT
PROJECT NUMBER Q23-16459	REV NO. 0

REGISTERED ADDRESS
 UNIT 11
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 SWANLEY
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 re[structure] of fire
 suppression

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