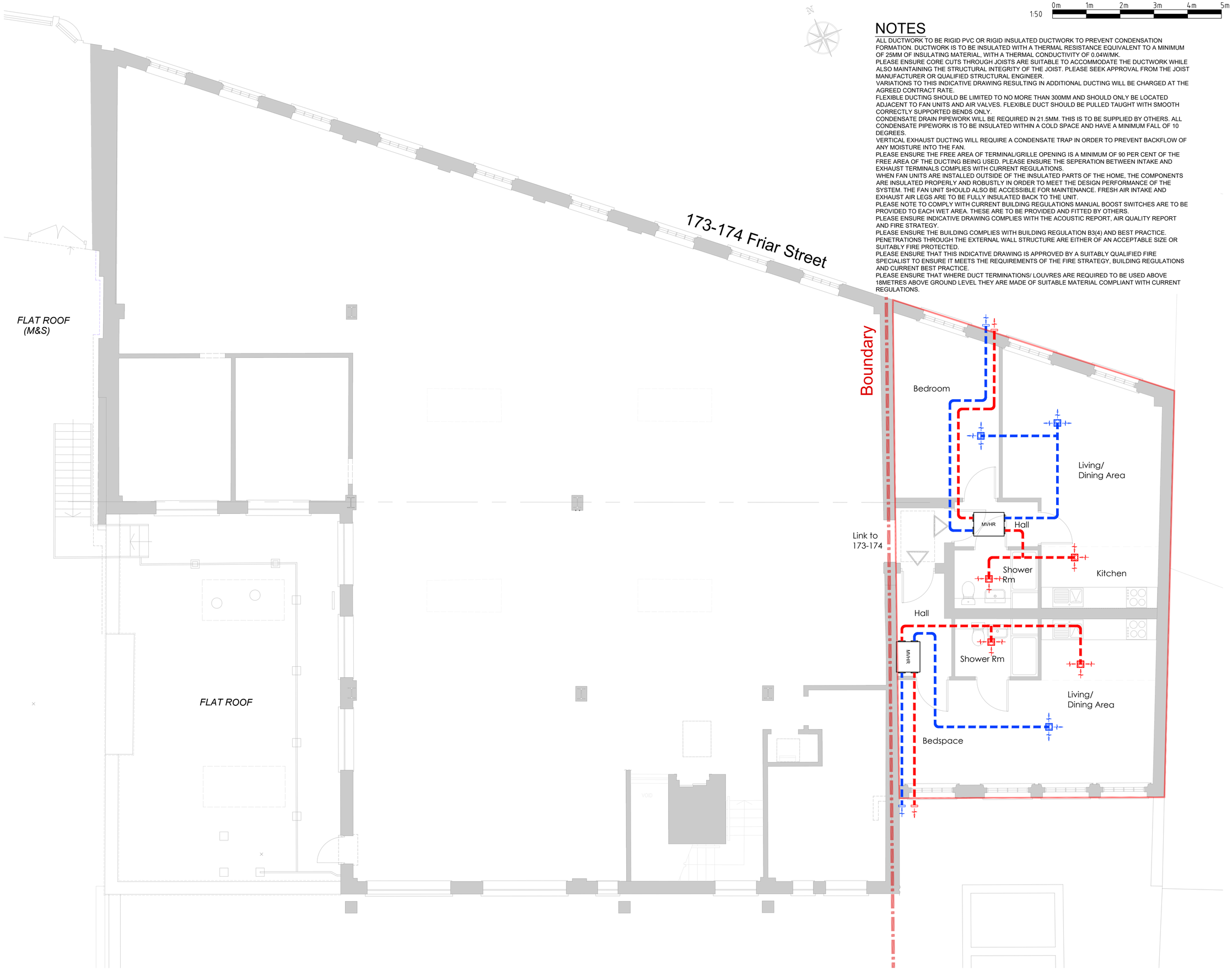

1:50 0m 1m 2m 3m 4m 5m

NOTES

ALL DUCTWORK TO BE RIGID PVC OR RIGID INSULATED DUCTWORK TO PREVENT CONDENSATION FORMATION. DUCTWORK IS TO BE INSULATED WITH A THERMAL RESISTANCE EQUIVALENT TO A MINIMUM OF 25MM OF INSULATING MATERIAL, WITH A THERMAL CONDUCTIVITY OF 0.04W/MK.
PLEASE ENSURE CORE CUTS THROUGH JOISTS ARE SUITABLE TO ACCOMMODATE THE DUCTWORK WHILE ALSO MAINTAINING THE STRUCTURAL INTEGRITY OF THE JOIST. PLEASE SEEK APPROVAL FROM THE JOIST MANUFACTURER OR QUALIFIED STRUCTURAL ENGINEER.
VARIATIONS TO THIS INDICATIVE DRAWING RESULTING IN ADDITIONAL DUCTING WILL BE CHARGED AT THE AGREED CONTRACT RATE.
FLEXIBLE DUCTING SHOULD BE LIMITED TO NO MORE THAN 300MM AND SHOULD ONLY BE LOCATED ADJACENT TO FAN UNITS AND AIR VALVES. FLEXIBLE DUCT SHOULD BE PULLED TAUGHT WITH SMOOTH CORRECTLY SUPPORTED BENDS ONLY.
CONDENSATE DRAIN PIPEWORK WILL BE REQUIRED IN 21.5MM. THIS IS TO BE SUPPLIED BY OTHERS. ALL CONDENSATE PIPEWORK IS TO BE INSULATED WITHIN A COLD SPACE AND HAVE A MINIMUM FALL OF 10 DEGREES.
VERTICAL EXHAUST DUCTING WILL REQUIRE A CONDENSATE TRAP IN ORDER TO PREVENT BACKFLOW OF ANY MOISTURE INTO THE FAN.
PLEASE ENSURE THE FREE AREA OF TERMINAL/GRILLE OPENING IS A MINIMUM OF 90 PER CENT OF THE FREE AREA OF THE DUCTING BEING USED. PLEASE ENSURE THE SEPERATION BETWEEN INTAKE AND EXHAUST TERMINALS COMPLIES WITH CURRENT REGULATIONS.
WHEN FAN UNITS ARE INSTALLED OUTSIDE OF THE INSULATED PARTS OF THE HOME, THE COMPONENTS ARE INSULATED PROPERLY AND ROBUSTLY IN ORDER TO MEET THE DESIGN PERFORMANCE OF THE SYSTEM. THE FAN UNIT SHOULD ALSO BE ACCESSIBLE FOR MAINTENANCE. FRESH AIR INTAKE AND EXHAUST AIR LEGS ARE TO BE FULLY INSULATED BACK TO THE UNIT.
PLEASE NOTE TO COMPLY WITH CURRENT BUILDING REGULATIONS MANUAL BOOST SWITCHES ARE TO BE PROVIDED TO EACH WET AREA. THESE ARE TO BE PROVIDED AND FITTED BY OTHERS.
PLEASE ENSURE INDICATIVE DRAWING COMPLIES WITH THE ACOUSTIC REPORT, AIR QUALITY REPORT AND FIRE STRATEGY.
PLEASE ENSURE THE BUILDING COMPLIES WITH BUILDING REGULATION B3(4) AND BEST PRACTICE. PENETRATIONS THROUGH THE EXTERNAL WALL STRUCTURE ARE EITHER OF AN ACCEPTABLE SIZE OR SUITABLY FIRE PROTECTED.
PLEASE ENSURE THAT THIS INDICATIVE DRAWING IS APPROVED BY A SUITABLY QUALIFIED FIRE SPECIALIST TO ENSURE IT MEETS THE REQUIREMENTS OF THE FIRE STRATEGY, BUILDING REGULATIONS AND CURRENT BEST PRACTICE.
PLEASE ENSURE THAT WHERE DUCT TERMINATIONS/ LOUVRES ARE REQUIRED TO BE USED ABOVE 18METRES ABOVE GROUND LEVEL THEY ARE MADE OF SUITABLE MATERIAL COMPLIANT WITH CURRENT REGULATIONS.

Notes:

dimensions:
All building and site dimensions, levels and sewer invert levels at connection points are to be checked and verified on site by the contractor before the commencement of works. All dimensions are to be checked prior to the placement of orders for materials or the fabrication of work and any discrepancy, omission or error is to be reported to the Architect immediately for verification.

specification:
The Contractor is to comply with current Building Legislation, British Standard Specifications, Building Regulations etc. whether or not specifically stated on this drawing. This drawing must be checked against and read in conjunction with any structural or other relevant specialist and design documentation provided.

KEY

- Supply Air Ducting
- Extract Air Ducting
- Supply Air Brick
- Extract Air Brick
- Supply Vent
- Extract Vent

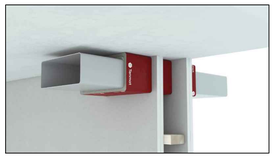

Fig 1: Where ductwork passes through 30 minute fire compartment walls within flat, duct to be fire wrapped

revisions:

PLANNING

client:
Mountley Group

project:
173 - 175 Friar Street & 27 - 32 Market Place
Reading
Friar Street PD Flats Conversion

description:
Proposed Third Floor Plan
MVHR Ventilation

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drawn:	scale:	
JC	1:50	@A1
date: 26.09.2024	sheet	of:

job drwg. no: jw1077 - 069 rev:

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