

// GENERAL NOTES:

THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH THE RELEVANT ETCH ASSOCIATES SPECIFICATIONS, TECHNICAL SCHEDULE DOCUMENTS, STANDARD SYMBOLS & ABBREVIATIONS DRAWING(S)

ALL APPARENT DRAFTING ERRORS OR DISCREPANCIES WITH OTHER DESIGN DOCUMENTS SHALL BE IDENTIFIED AS SOON AS POSSIBLE AND BROUGHT TO THE ATTENTION OF ETCH ASSOCIATES.

THIS DRAWING SHOULD ALWAYS BE PRINTED IN COLOUR.

ALL DIMENSIONS ARE IN MILLIMETRES UNLESS STATED OTHERWISE.

DO NOT SCALE FROM THIS DRAWING. IF ACCURATE DIMENSIONS ARE REQUIRED, MEASUREMENTS ARE TO BE TAKEN BY THE CONTRACTOR ON SITE.

THIS DRAWING IS INDICATIVE AND ILLUSTRATES PERFORMANCE DESIGN PRINCIPLES ASSOCIATES WITH THE RELEVANT SYSTEMS AND SERVICES. THE CONTRACTOR IS RESPONSIBLE FOR THE DETAILED DESIGN, SUPPLY, INSTALLATION, TESTING AND COMMISSIONING OF THE SYSTEMS AND SERVICES AS DEEMED NECESSARY TO FORM A COMPLETE AND FULLY FUNCTIONING SYSTEM. REFER TO RECORD INFORMATION FOR DETAILS OF EXISTING SYSTEMS TO BE RETAINED / ADAPTED.

// DRAWING NOTES

- THIS DRAWING IS FOR DESIGN INTENT ONLY AND NOT FOR CONSTRUCTION. THE CONTRACTOR SHALL PREPARE FULLY COORDINATED INSTALLATION DRAWINGS FOR CONSULTANT REVIEW AND APPROVAL PRIOR TO COMMENCEMENT OF WORK.
- ALL WORK SHALL COMPLY WITH THE LATEST EDITIONS OF THE RELEVANT BUILDING REGULATIONS.
- INSULATION, BRACKETS AND SUPPORTS ARE NOT SHOWN FOR CLARITY. INCLUDE ALL REQUIRED ANCHORAGES AS DESCRIBED IN THE SPECIFICATION. DUCTWORK SUPPORTS SHALL BE IN ACCORDANCE WITH DW144 AND BS 5970.
- ALL DUCTWORK SHALL BE GALVANISED STEEL AND COMPLY WITH DW144. CONSTRUCTED TO THE PRESSURE CLASSIFICATION INDICATED. DUCTWORK SEALING CLASSIFICATION SHALL BE CLASS 'B' FOR GENERAL INTERNAL DUCTWORK AND CLASS 'A' FOR DUCTWORK HANDLING OUTSIDE AIR OR IN PLANTROOMS.
- ALL SQUARE OR RECTANGULAR BENDS SHALL HAVE TURNING VANES. SPLITTER VANES ARE REQUIRED WHERE DUCT HEIGHT OR WIDTH EXCEEDS 600mm.
- FLEXIBLE DUCTWORK SHALL BE LIMITED TO FINAL CONNECTIONS TO GRILLES. MAXIMUM 300mm LONG. DO NOT FORM BENDS OR ALLOW MISALIGNMENT OVER 15°. USE ACOUSTIC TYPE FLEXIBLE DUCTWORK ONLY.
- PROVIDE VOLUME CONTROL DAMPERS ON EVERY DUCT BRANCH. USE OPPOSED BLADE TYPES FOR RECTANGULAR DUCTS AND IRIS TYPES FOR CIRCULAR DUCTS UNLESS NOTED OTHERWISE.
- IDENTIFY ALL SERVICES IN ACCORDANCE WITH BS1710.
- THE MECHANICAL CONTRACTOR SHALL LIAISE WITH THE STRUCTURAL ENGINEER BEFORE FORMING ANY HOLES OVER 100MM DIAMETER OR EQUIVALENT AREA AND BEFORE ORDERING OR POSITIONING ANY PLANT OR EQUIPMENT.
- INSTALL FIRE DAMPERS ON ALL DUCTS PENETRATING FIRE RATED COMPARTMENT WALLS AND FLOORS, IN ACCORDANCE WITH BS EN 13501-3 (MINIMUM 60 MINUTE RATING) AND BS 9999. REFER TO FIRE STRATEGY FOR DETAILS. PROVIDE ACCESS PANELS FOR ALL FIRE DAMPERS.
- SLEEVE AND FIRE STOP ALL DUCTWORK AND PIPEWORK PASSING THROUGH FIRE WALLS OR FLOORS AS REQUIRED. FIRE STOPPING TO PROVIDE THE SAME FIRE RESISTANCE AS THE ELEMENT BEING PENETRATED. SEAL ALL BUILDING FABRIC PENETRATIONS TO MAINTAIN REQUIRED AIRTIGHTNESS.
- ENSURE COMPLIANCE WITH UK CDM REGULATIONS, INCLUDING DUTY HOLDER APPOINTMENTS, REQUIRED DOCUMENTATION AND COORDINATION OF HEALTH AND SAFETY MEASURES.
- ALL DUCTWORK TO BE PROFESSIONALLY CLEANED IN ACCORDANCE WITH BESA TR19 GUIDELINES BEFORE HANDOVER. SUBMIT CLEANLINESS CERTIFICATE.
- PROVIDE ACCESS OPENINGS FOR INSPECTION, CLEANING AND MAINTENANCE AS REQUIRED. ACCESS PANELS SHALL BE PROVIDED WITHIN 300mm OF ALL DAMPERS, SENSORS, FANS, AND AT ALL DIRECTION CHANGES ON SILENCERS.

T01	TENDER ISSUE	D.S.	M.E.	D.B.	17.02.2026
P01	ISSUED FOR INFORMATION	D.S.	M.E.	D.B.	06.02.2026
REV.	DESCRIPTION	DES.	CHK.	APP.	DATE

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// CLIENT



// PROJECT

READING TOWN HALL
ROOF REPLACEMENT WORKS

// TITLE

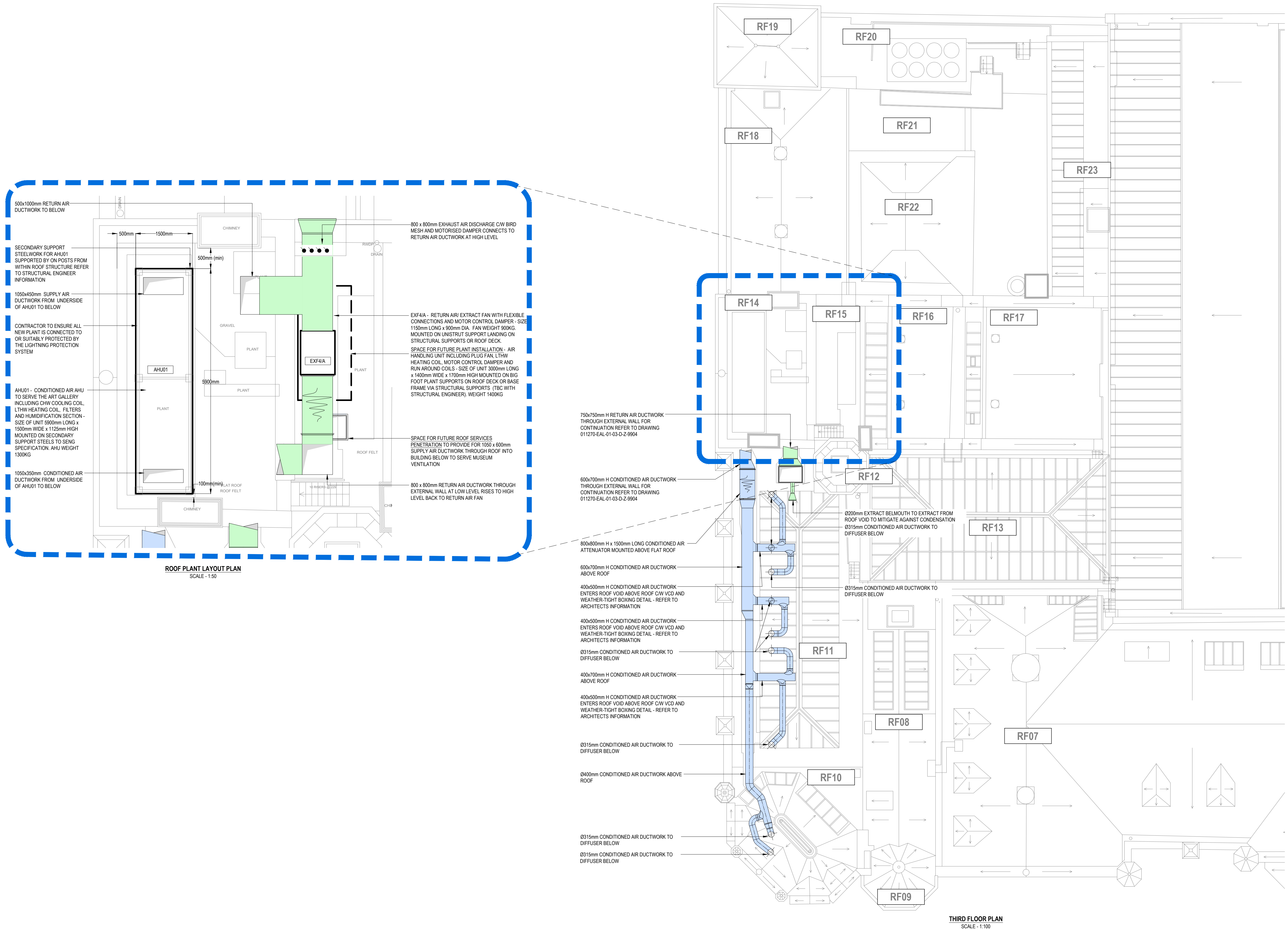
MECHANICAL ENGINEERING SYSTEMS
VENTILATION SERVICES LAYOUT
MECHANICAL PROPOSALS - ROOF PLAN
PHASE 1

SCALE:	SHEET SIZE:	
AS NOTED	A1	Proud to be certified by BSI

SUITABILITY DESCRIPTION:	SUITABILITY CODE:
FOR REVIEW & AUTHORISATION BY LEAD APPOINTING PARTY	S4

DRAWING STATUS:	REVISION:
TENDER ISSUE	T01

DRAWING NUMBER:
011270-EAL-01-RF-D-M-5701



THIRD FLOOR PLAN
SCALE - 1:100