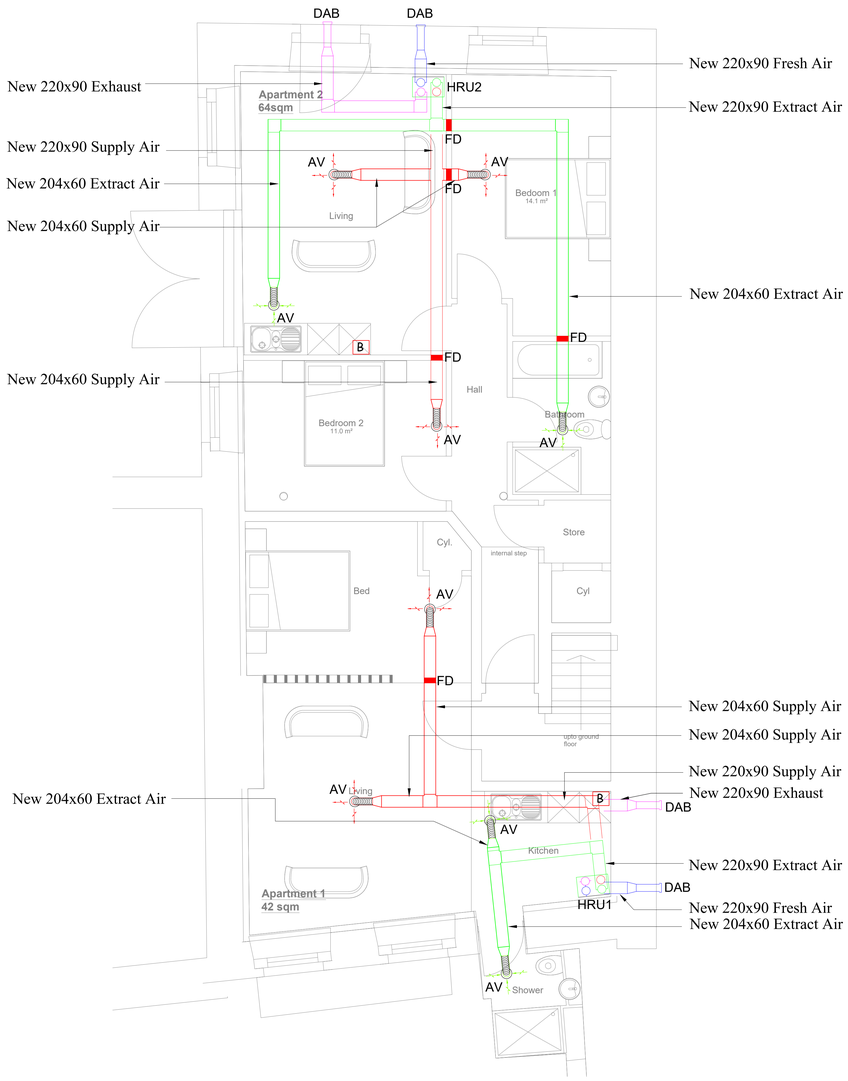
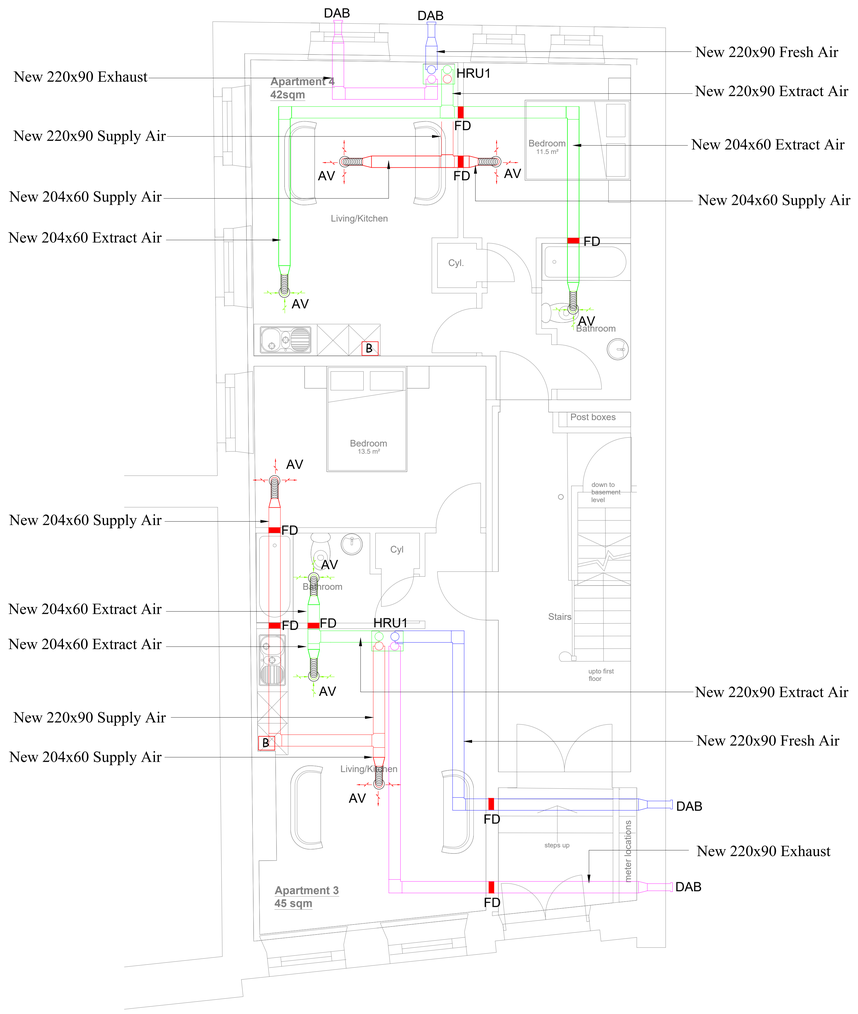


BASEMENT



GROUND FLOOR

LEGEND

AV	Air Valve Gilberts GX150 or Similiar
HRU1	Heat Recovery Unit
FD	Fire Damper (Contractor to ensure maintains rating indicated in fire strategy)
B	Wall Mounted Boost Switch
DAB	Double low resistance air brick

NOTES:

1. DO NOT SCALE FROM THIS DRAWING.
2. ALL DIMENSIONS IN MILLIMETRES.
3. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ALL MECHANICAL, ELECTRICAL & PUBLIC HEALTH DRAWINGS, SPECIFICATIONS & SCHEDULES.
4. THE LOCATION/POSITION OF ALL PLANT AND ASSOCIATED SERVICES SHALL BE FULLY CO-ORDINATED WITH THE ARCHITECT/INTERIOR DESIGNER, STRUCTURAL & OTHER SPECIALIST/TRADES DRAWINGS.
5. ALL SERVICES SHALL BE INSTALLED NEAT & LEVEL PARALLEL TO ADJACENT SURFACES, IN ACCORDANCE WITH GOOD ENGINEERING PRACTICES & SHALL TAKE DUE ACCOUNT OF THE STRUCTURE.
6. ALL PLANT LOCATIONS AND SERVICE ROUTES ARE INDICATIVE AND SHALL NOT BE RELIED UPON. ALL PLANT LOCATIONS & SERVICE ROUTE SETTING OUT, LEVELS & DIMENSIONS SHALL BE VERIFIED ON SITE PRIOR TO ORDERING AND MANUFACTURER/FABRICATION OF ALL PLANT AND SERVICES.
7. INTUMESCENT SEALS & FIRE DAMPERS ETC. SHALL BE PROVIDED AS REQUIRED TO ALL PIPEWORK & DUCTWORK SERVICES WHICH PASS THROUGH ROOF/CEILING/FLOORS/WALLS FIRE COMPARTMENTS & SHALL BE FIRE STOPPED TO MAINTAIN THE FIRE INTEGRITY OF THE STRUCTURE.
8. ALL PLANT & EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETAILING & ADEQUATELY SUPPORTING/FIXING ALL PLANT & ASSOCIATED SERVICES INCLUDING PROVISIONS FOR DESIGN, SUPPLY, INSTALL SECONDARY STEEL FOR SUPPORTING PLANT.
10. ADEQUATE ACCESS AND/OR ACCESS PANELS SHALL BE PROVIDED FOR TESTING, SERVICING AND MAINTENANCE OF ALL BUILDING SERVICES IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.
11. ALL SERVICES SHALL BE PROVIDED WITH IDENTIFICATION BANDS & DIRECTIONAL FLOW INDICATION IN ACCORDANCE WITH BS 1710.
12. ALL SUPPLY AND EXTRACT AIR DUCTWORK SHALL BE THERMALLY INSULATED IN ACCORDANCE WITH BS 5244:2009.
13. ALL DUCTWORK SHALL BE SUPPORTED BY MEANS OF A LIGHTWEIGHT CHANNEL FIXED TO THE STRUCTURE, THREADED DROP RODS,DUCT SUPPORT ROLL WITH ISOLATION STRIP & FLAT BAR KEEPER AROUND DUCT PERIPHERY.
14. ALL MECHANICAL SERVICES SHALL BE ARRANGED FOR TESTING & COMMISIONING IN ACCORDANCE WITH GUIDELINES & RECOMMENDATIONS GIVEN BY CIBSE COMISSIONING CODES & BSRIA COMISSIONING GUIDES.
15. DUCTWORK SHALL BE MANUFACTURED AND INSTALLED TO COMPLY WITH BESA DUCTWORK SPECIFICATION DW144.
16. DUCTWORK SHALL BE TESTED TO COMPLY WITH BESA DUCTWORK SPECIFICATION DW143
17. 22mm CONDENSATE FROM EACH HRU TO A SUITABLE DRAIN AND TERMINATE WITH SELF SEALING TRAP AS PER MANUFACTURES DETAILS.
18. ALL FIRE DAMPERS ARE SHOWN INDICATIVELY, NO FIRE STRATEGY DRAWINGS AVAILABLE, CONTRACTOR TO ENSURE INSTALLATION MEETS PART B OF BUILDING REGULATIONS.
19. INLINE ATTENUATORS **MUST** BE INSTALLED BOTH ATMOSPHERE AND ROOM SIDE ON ALL DUCTWORK.

DESIGN ASSUMES ALL WINDOWS ARE OPENABLE

HEAT RECOVERY UNIT SCHEDULE

REF	MANUFACTURER	MODEL	SIZE w x h x d (mm)	WEIGHT (kg)	CONTROL	ELECTRICAL	TRICKLE VOLUME l/s	BOOST VOLUME l/s
HRU1	VECTAIRE	WHHR-MIDI/BY	600 x 555 x 382	24	CONTINUOUS - BOOST VIA BATHROOM LIGHTS & WALL SWITCH IN KITCHEN	240V, 50Hz, 1Ph, 120w	19	25
HRU2	VECTAIRE	WHHR-MAXI/BY	758 x 777 x 538	38	CONTINUOUS - BOOST VIA BATHROOM LIGHTS & WALL SWITCH IN KITCHEN	240V, 50Hz, 1Ph, 178w	23	38

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Work's.

BASEMENT & GROUND FLOOR
PROPOSED VENTILATION
SERVICES

Date. JULY 26	*Scale. 1:40 @ A0*
Drn By. DMH	*Checked By. TLH*
Rev - A	*Drawing No. AD1110 / M01*
STATUS - INFORMATION	