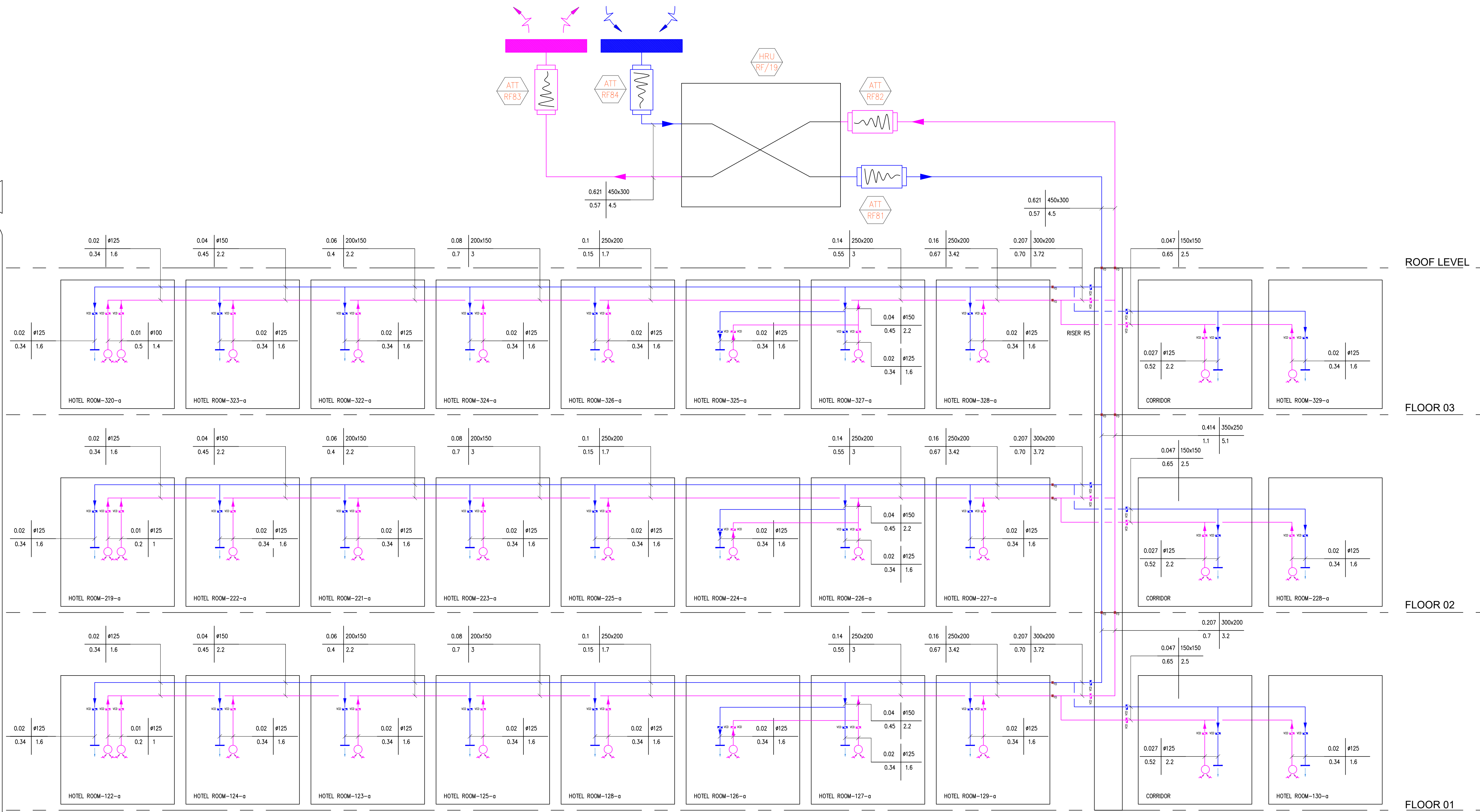


FOR CONTINUATION SEE DRAWING 647-M-(57)-SCH-01



- NOTES
- DO NOT SCALE FROM THIS DRAWING
  - ALL DIMENSIONS TO BE CHECKED ON SITE BY THE CONTRACTOR PRIOR TO PREPARATION OF SHOP DRAWINGS, FABRICATION OF PARTS, ERECTION OF STRUCTURE OR COMMENCEMENT OF WORK
  - THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER CONSULTANT'S DRAWINGS, SPECIFICATIONS AND SCHEDULES
  - ANY PENETRATION THROUGH FLOOR, CEILING, STRUCTURAL ENGINEERS APPROVAL BEFORE COMMENCEMENT
  - ALL PLANT AND EQUIPMENT SHALL BE INSTALLED FULLY IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS

- VENTILATION INSTALLATION
- ALL FAN INSTALLATIONS TO BE COMPLETE WITH ALL ACCESSORIES, CONTROLS AND FITTINGS TO PROVIDE A COMPLETE AND FUNCTIONAL INSTALLATION
  - ALL VENTILATION SYSTEMS AND COMPONENTS TO BE INSTALLED, TESTED AND COMMISSIONED IN ACCORDANCE WITH BUILDING REGULATIONS APPROVED DOCUMENT 'F'
  - ALL OUTDOOR SHALL BE INSTALLED NOT DIP GALVANISED AS PER DWA4
  - ALL DUCTWORK TO BE MANUFACTURED AND INSTALLED IN ACCORDANCE WITH DWA4
  - CONTRACTOR TO ENSURE CORE DUCTS THROUGH JOISTS ARE SUITABLE TO ACCOMMODATE THE DUCTWORK
  - ALL DUCT RUNS ASSUME CLEAR PATHS THROUGH CEILING JOISTS AND HAVE NOT ALLOWED FOR DEVIATION THROUGH JOISTS
  - FLEXIBLE DUCTING HAS BEEN ALLOWED FOR THE FINAL UNIT CONNECTION, NO MORE THAN 300mm PER LEG SHOULD BE USED AS PER BPEC GUIDANCE
  - ATTENUATION AND FIRE PROTECTION HAS BEEN EXCLUDED AS WE ARE NOT IN RECEIPT OF A FIRE STRATEGY OR ACOUSTIC REPORT AT THIS STAGE
  - CONDENSATE DRAIN PIPING WILL BE REQUIRED IN 25mm, THIS IS TO BE SUPPLIED BY THE CONTRACTOR. ALL CONDENSATE PIPING IS TO BE INSULATED WITHIN A COLD SPACE AND HAVE A MINIMUM FALL OF 10 DEGREES
  - ALL DUCTING WITHIN AN UNHEATED SPACE MUST BE INSULATED IN ACCORDANCE WITH PART 7 OF THE 2019 BUILDING REGULATIONS. FRESH AIR INTAKE AND EXHAUST AIR LEAKS ARE TO BE FULLY INSULATED BACK TO THE UNIT
  - A MINIMUM DISTANCE OF 500mm IS REQUIRED BETWEEN EACH SPOUT OFF THE UNIT AND ANY DUCTWORK FITTING. FLEXIBLE DUCT SHOULD BE PULLED TAUGHT WITH SMOOTH BENDS ONLY
  - PLEASE NOTE TO COMPLY WITH CURRENT BUILDING REGULATIONS MANUAL BOOST SWITCHES ARE TO BE PROVIDED TO EACH NET AREA. THESE ARE TO BE PROVIDED AND FITTED BY THE CONTRACTOR
  - SUPPLY AND EXTRACT VALVES SHALL BE COMMISSIONED / TUNED AT THE GRILLE TO ENSURE THE CORRECT FLOW RATE IS ACHIEVED
  - BETWEEN EACH RISE AND FALL BETWEEN FLOOR LEVELS, ALL MECHANICAL & ELECTRICAL CONTRACTORS SHALL ALLOW FOR OFFSETS DURING INSTALLATION
  - G4 & F7 FILTRATION SHALL BE UTILISED
  - WORKSPACE OFFICES SUPPLY AND EXTRACT GRILLES SHALL BE FIXED TO THE SIDES OF THE RISERS WITHIN THE SPACE VIA FIRE RATED GRILLES C/M FIRE/SMOKE DAMPER

- LEGEND
- EXTRACT DUCT
  - SUPPLY DUCT
  - EXTRACT VALVE
  - SUPPLY TERMINAL
  - VOLUME CONTROL DAMPER
  - FIRE DAMPER
  - HEAT RECOVERY VENTILATION UNIT
  - AIR HANDLING UNIT
  - ATTENUATOR
  - CROSS - TALK ATTENUATOR
  - FRESH AIR LOUVE
  - EXHAUST AIR LOUVE
  - AIR VOLUME
  - DUCT DIMENSIONS
  - VELOCITY
  - PRESSURE DROP

FOR COMMENT  
NOT FOR SITE USE

|          |              |     |     |     |
|----------|--------------|-----|-----|-----|
| 11.04.22 | TENDER ISSUE | T2  | WJ  | RG  |
| 07.02.22 | TENDER ISSUE | T2  | WJ  | AF  |
| 02.06.21 | TENDER ISSUE | T1  | QJ  | RG  |
| Date     | Description  | Rev | Des | Chd |

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Project  
LONDON ROAD FIRE STATION  
FIRE STATION, LONDON ROAD,  
MANCHESTER, M1

Drawing Title  
MECHANICAL SERVICES  
VENTILATION SERVICES  
SCHEMATICS 4 OF 6

|        |            |           |        |
|--------|------------|-----------|--------|
| Date:  | Design By: | Drawn By: | Scale: |
| APR 21 | RG         | GT        | N.T.S. |

Issue Status  
TENDER

Drawing Number  
647-M-(57)-SCH-04

Rev  
T3

XREF Updated on: N/A

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