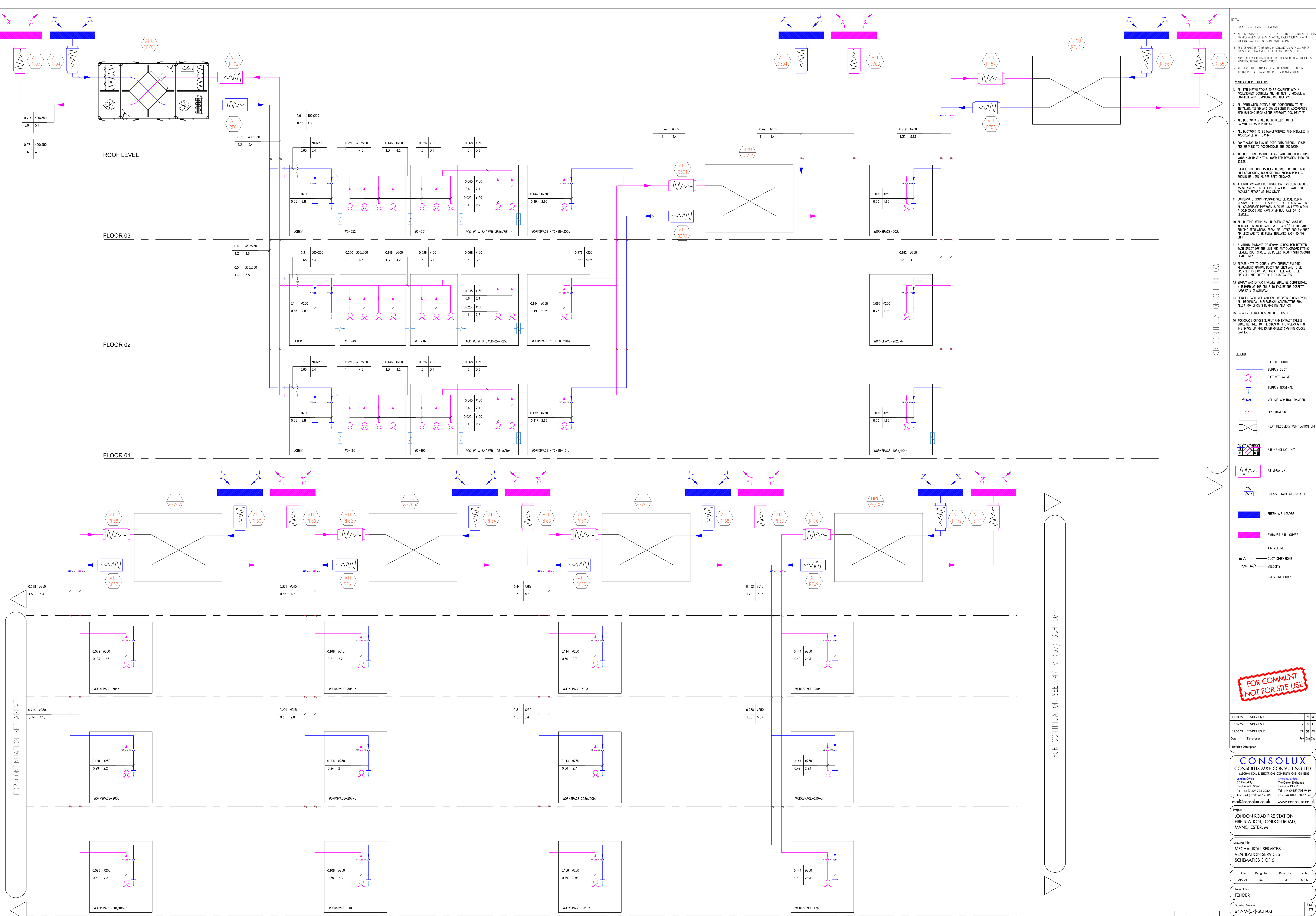




- NOTES
- DO NOT SCALE FROM THIS DRAWING.
 - ALL DIMENSIONS TO BE CHECKED ON SITE BY THE CONTRACTOR PRIOR TO PREPARATION OF SHOP DRAWINGS. FABRICATION OF PARTS, SHOPPING MATERIALS OR COMPONENTS MUST BE IN ACCORDANCE WITH THE DRAWING.
 - THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER CONSULTANTS DRAWINGS, SPECIFICATIONS AND SCHEDULES.
 - ANY PENETRATION THROUGH FLOOR, CEILING OR STRUCTURAL ELEMENTS SHALL BE MADE IN ACCORDANCE WITH THE DRAWING.
 - 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 DPM4.
 - ALL OUTDOOR TO BE MANUFACTURED AND INSTALLED IN ACCORDANCE WITH DPM4.
 - CONTRACTOR TO ENSURE CORE CUTS 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 WITH 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 LEADS ARE TO BE FULLY INSULATED BACK TO THE UNIT.
 - A MINIMUM DISTANCE OF 500mm IS REQUIRED BETWEEN EACH SPOKE OF THE UNIT AND ANY ELECTRICAL 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 ORIGIN 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 LOUVER
 - EXHAUST AIR LOUVER
 - 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	Chk

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

Drawing Title
MECHANICAL SERVICES
VENTILATION SERVICES
SCHEMATICS 3 OF 6

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

Issue Status	Drawing Number:	Rev:
TENDER	647-M-(57)-SCH-03	T3