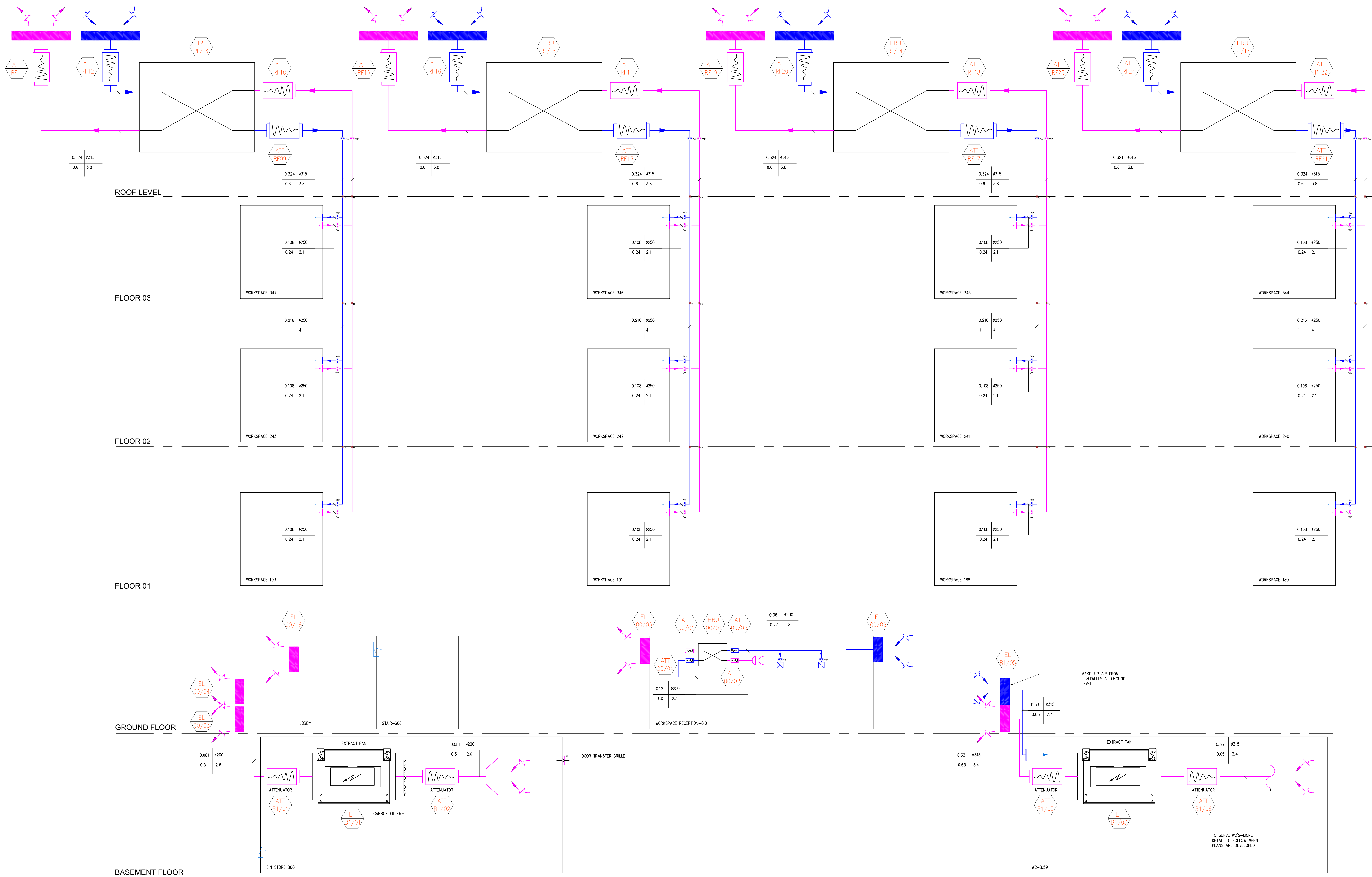




FOR CONTINUATION SEE DRAWING 647-M(57)-SCH-05

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 D1414.
- ALL OUTDOOR TO BE MANUFACTURED AND INSTALLED IN ACCORDANCE WITH D1414.
- CONTRACTOR TO ENSURE CORE CUTS THROUGH JOISTS ARE SUITABLE TO ACCOMMODATE THE OUTDOOR.
- 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 SPOUT OFF THE UNIT AND ANY OUTDOOR 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 ORLE 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

Revision	Description	Rev	Drawn	Check
11.04.22	TENDER ISSUANCE	T2	WJ	RG
07.02.22	TENDER ISSUANCE	T2	WJ	AF
02.06.21	TENDER ISSUANCE	T1	QJ	RG

Date: Description Rev Drawn Check

Revision Description

CONSOLUX
CONSOLUX M&E CONSULTING LTD.
MECHANICAL & ELECTRICAL CONSULTING ENGINEERS

London Office
25 Beccles Road
London W11 0DW
Tel: +44 (0)207 724 3030
Fax: +44 (0)207 617 7185
mail@consolux.co.uk

Liverpool Office
The Cavern Exchange
Liverpool L2 9XR
Tel: +44 (0)151 708 9469
Fax: +44 (0)151 709 7186
www.consolux.co.uk

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

Drawing Title
MECHANICAL SERVICES
VENTILATION SERVICES
SCHEMATICS 2 OF 6

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

Issue Status
TENDER

Drawing Number:	Rev:
647-M(57)-SCH-02	T3

XREF Updated on: N/A

NOTE: This drawing is the copyright of Consolux M&E Consulting Limited and may not be used without its prior written consent. Written dimensions to be taken in preference to scaled dimensions. Do not scale these drawings.

ENG CONS 38 Drawing Template Rev 1

100