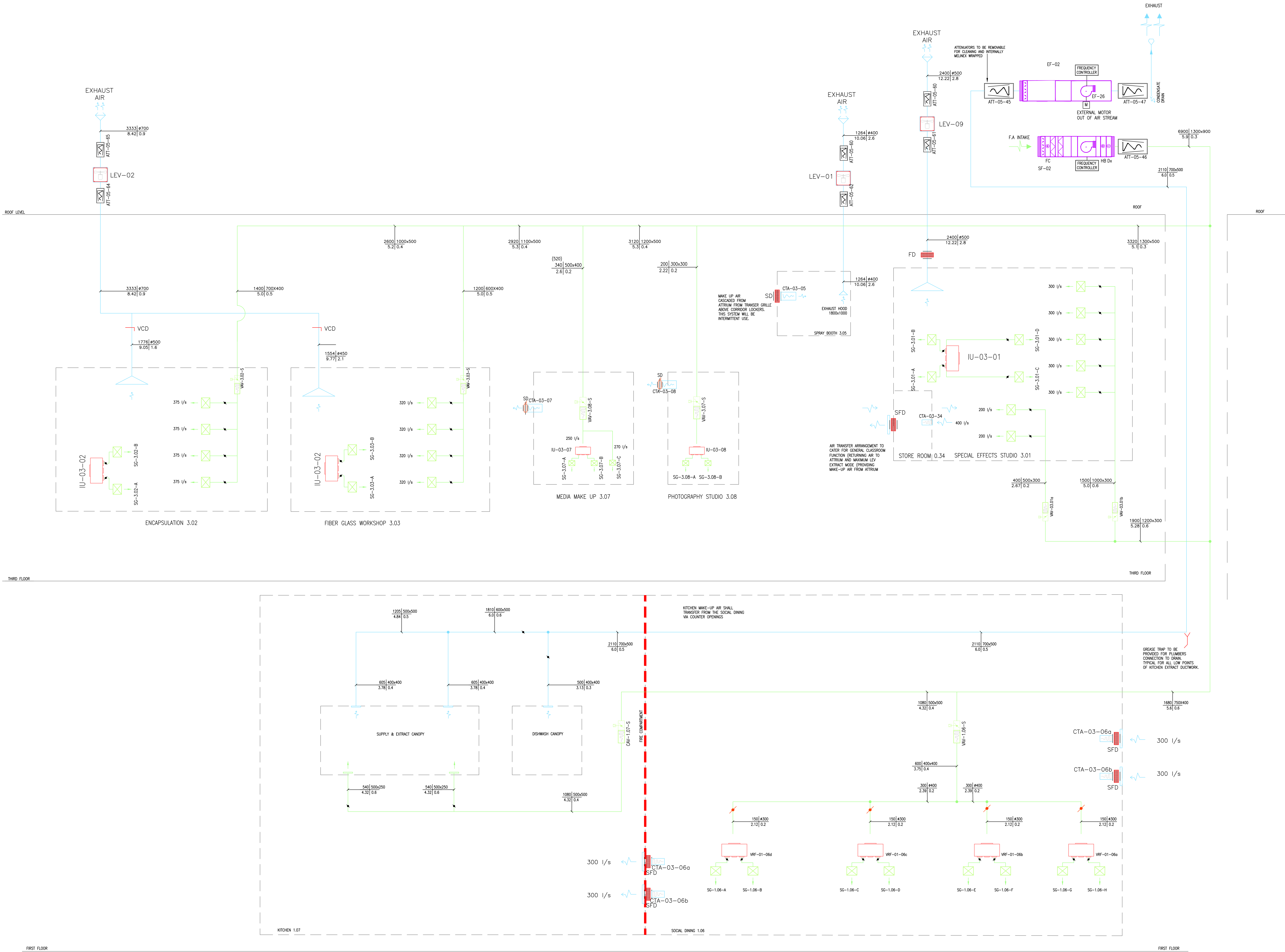




DO NOT SCALE OFF THIS DRAWING

BUILDING OUTLINE DRAWINGS

ARCHITECT / CONSULTANT

DRAWING No.

REV

NOTES:

- THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ANY RELEVANT STRUCTURAL, ARCHITECTURAL AND CONSULTANTS DRAWINGS/SPECIFICATIONS.
- THIS DRAWING IS SUBJECT TO FULL CO-ORDINATION OF M&E SERVICES.
- FDS SHALL NOT BE INSTALLED WITHIN THE KITCHEN EXTRACT SYSTEM. DUCTWORK SHALL BE WRAPPED WITH FIRE RESISTANT MATERIAL AS PER DW172 AND THE FIRE ENGINEERS REPORT.
- FDS SHOULD BE PROVIDED ON SUPPLY AIR DUCTWORK WHERE SHOWN ON DRAWINGS, AND ALSO WHERE DUCTWORK PENETRATES THROUGH FIRE COMPARTMENTS.
- ALL EXTERNAL SUPPLY AND RETURN AIR DUCTWORK TO BE INSULATED.
- HEAVY GAUGE DUCTWORK TRANSITIONS TO BE USED FOR FAN CONNECTIONS.
- KITCHEN EXTRACT DUCTWORK SHALL BE CONSTRUCTED OUT OF 18GAUGE (1.2MM THICK) STAINLESS STEEL SHEET METAL.
- THE CONSTRUCTION OF KITCHEN EXTRACT DUCTWORK SHALL NOT HAVE CROSS BREAK FOLDS.
- ALL DUCTWORK SYSTEMS SHALL BE FULLY ACCESSIBLE FOR INSPECTION, CLEANING & MAINTENANCE. REMOVABLE ACCESS DOORS SHALL BE PROVIDED AS REQUIRED TO ENABLE FULL ACCESS TO EACH ITEM OF DUCTWORK MOUNTED EQUIPMENT. ACCESS DOORS SHALL BE IN ACCORDANCE WITH DW144 + DW172.
- FINAL CONNECTION POINTS TO KITCHEN HOODS SHALL BE COORDINATED WITH THE KITCHEN FIT-OUT SPECIALIST.
- ALL FANS AND SILENCERS TO BE COMPLETE WITH FLEXIBLE CONNECTIONS AND ANTI-VIBRATION MOUNTINGS.
- ACCESS PANELS SHALL BE PROVIDED WHERE FIRE DAMPERS PASS THROUGH A FIRE RATED WALL FOR INSPECTION PURPOSES.
- GAPPING IS TO BE USED ON ALL DUCTWORK LOCATED EXTERNAL.
- ATTENUATORS ARE TO BE SELECTED AND MANUFACTURED TO SUIT A KITCHEN EXHAUST SYSTEM. MELNEX UNID ATTENUATORS ARE ACCEPTABLE.
- GREASE TRAPS ARE TO BE INSTALLED AT ALL LOW POINTS OF KITCHEN EXTRACT DUCTWORK COMPLETE WITH A 25MM CONNECTION TO DRAIN.
- KITCHEN EXHAUST VOLUME CONTROL DAMPERS BLADES SHALL BE CONSTRUCTED OUT OF STAINLESS STEEL.
- KITCHEN EXTRACT HOODS ARE TO BE PROVIDED BY OTHERS COMPLETE WITH SPROUT CONNECTIONS.
- THE KITCHEN EXTRACT SYSTEM SHALL BE VERTICALLY DISCHARGED COMPLETE WITH A HIGH VELOCITY COWL.

LEGEND	
SYMBOL	DESCRIPTION
	EXTRACT GRILLE
	EXTERNAL EXTRACT FAN
	ATTENUATOR
	REMOVABLE AIR VOLUME BOX
	HEATER BATTERY
	SUPPLY AIR GRILLE
	DUCT ISOLATES EXTRACT GRILLE
	ATTENUATOR
	FIRE DAMPER
	SUPPLY DUCTWORK
	EXTRACT DUCTWORK
	MOTORISED DAMPER
	VOLUME CONTROL DAMPER
	NON RETURN VALVE
	DRAIN COCK
	COMBINATION COCK
	ISOLATION VALVE
	2 PORT NON-RETURN VALVE
	TEST POINT
	AUTOMATIC AIR INTAKE
	PRESSURE TRANSMITTER

Flow Rate (l/s) Static Rise (m) Weekly (hrs) Pressure Drop (Pa)

C01	04/03/21	UPDATED TO CONSTRUCTION ISSUE	RC	MB
P03	25/09/20	FACE COMMENTS ADDRESSED	SB	MB
P02	08/09/20	REVISED AS INDICATED	SB	MB
P01	24/07/20	DESIGN ISSUE	RC	MB
Rev	Date	Description	Dwn	Chkd

CONSTRUCTION

Client.

WILLMOTT DIXON

Project.

MANCHESTER COLLEGE
CITY CAMPUS

Description.

KITCHEN EXTRACT & SUPPLY
SCHEMATIC
SF 02 & EF 02

Scale. NTS

A0

Date. APRIL 20

Drawn By. SB

Checked. MB

DRAWING No. CC-BAF-PH1-ZZ-SC-M-6710

Rev. C01

Briggs & Forrester
ENGINEERING SERVICES LTD

Briggs & Forrester Engineering Services Ltd
Crimarbur Court, 5250 Daresbury Park
Daresbury, Warrington WA4 4GE
www.briggsandforrester.co.uk

Tel: 01928 798279

This drawing is copyright and may not be reproduced either in part or full without
written permission from Briggs & Forrester Engineering Services Ltd

File: S:\Projects\5250 Manchester College City Campus\03 Drawings\03 BES Drawings\01 Design Drawings\01 - Mechanical\02 - Kitchen Extract Schematic.dwg