All dimensions in millimetres unless otherwise stated. This drawing is copyright of Engineering Services Design Limited and must not be copied or reproduced without prior written approval of Engineering Services Design Limited. ©

esd

NOTES

1. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ALL MECHANICAL, ELECTRICAL, ARCHITECTURAL AND STRUCTURAL DRAWINGS, CONTRACT DOCUMENTATION, SCHEDULES AND SPECIFICATION FOR THE WORKS.
2. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.
3. DO NOT SCALE FROM THIS DRAWING.
4. DUCTWORK TO BE INSTALLED IN ACCORDANCE WITH DW144 .
5. KITCHEN EXTRACT DUCTWORK TO BE INSTALLED IN ACCORDANCE WITH DW172.
6. ACCESS HATCHES TO BE PROVIDED IN DUCTWORK IN ACCORDANCE WITH TR19.
7. THERMAL INSULATION TO BE PROVIDED ON ALL DUCTWORK FOR AHU-02 & AHU-04 SYSTEMS AND TOILET HEAT RECOVERY SYSTEMS IN ACCORDANCE WITH THE SPECIFICATION.
8. DUCTWORK TO HAVE GALVANISED FINISHED WHEN NOT INSULATED. EXPOSED DUCTWORK IN MARKET HALL TO HAVE GALVANISED FINISH. FIRST FLOOR DUCTWORK TO BE SPIRAL WOUND GALVANISED FINISH.
9. ACCESS HATCHES TO BE PROVIDED FOR EACH HEAT RECOVERY UNIT & VCD & FD WHERE THERE IS A PLASTERBOARD CEILING FINISH. PLASTERBOARD CEILINGS IN GALLERY 1 & PERFORMANCE SPACE.
10. FINAL / DIFFUSER CONNECTIONS AND EXTRACT FANS SHALL BE FITTED WITH FLEXIBLE ACOUSTIC DUCTING (MAXIMUM 500mm) WHERE CONCEALED.
11. FIRE DAMPERS SHALL BE PROVIDED WHERE DUCTWORK PENETRATES ANY WALLS OR FLOORS. FIRE DAMPERS TO BE 1 HOUR RATED OR MATCHED TO FIRE RATING OF WALL / FLOOR.
12. CONDENSATE DRAINS TO BE PROVIDED TO EACH FCU. SEE DRWG PEP_ESD_XX_01_DR_M_002. DRAIN TO TERMINATE IN LOCAL SVP c/w INLINE APPROVED WATERLESS TRAP.
13. ALL GRILLES & DIFFUSERS TO BE COMPLETE WITH INTEGRAL VCD's.
14. FINAL LOCATION OF CONTROLLERS TO BE AGREED WITH CLIENT PRIOR TO INSTALLATION.
15. MOUNTING HEIGHTS OF EQUIPMENT & DUCTWORK TO BE DETAILED ON SECTION DRAWINGS PEP_ESD__XX_00_DR_ME_8000 & 8001.

ARCHITECTS DRAWINGS USED AS X-REFS

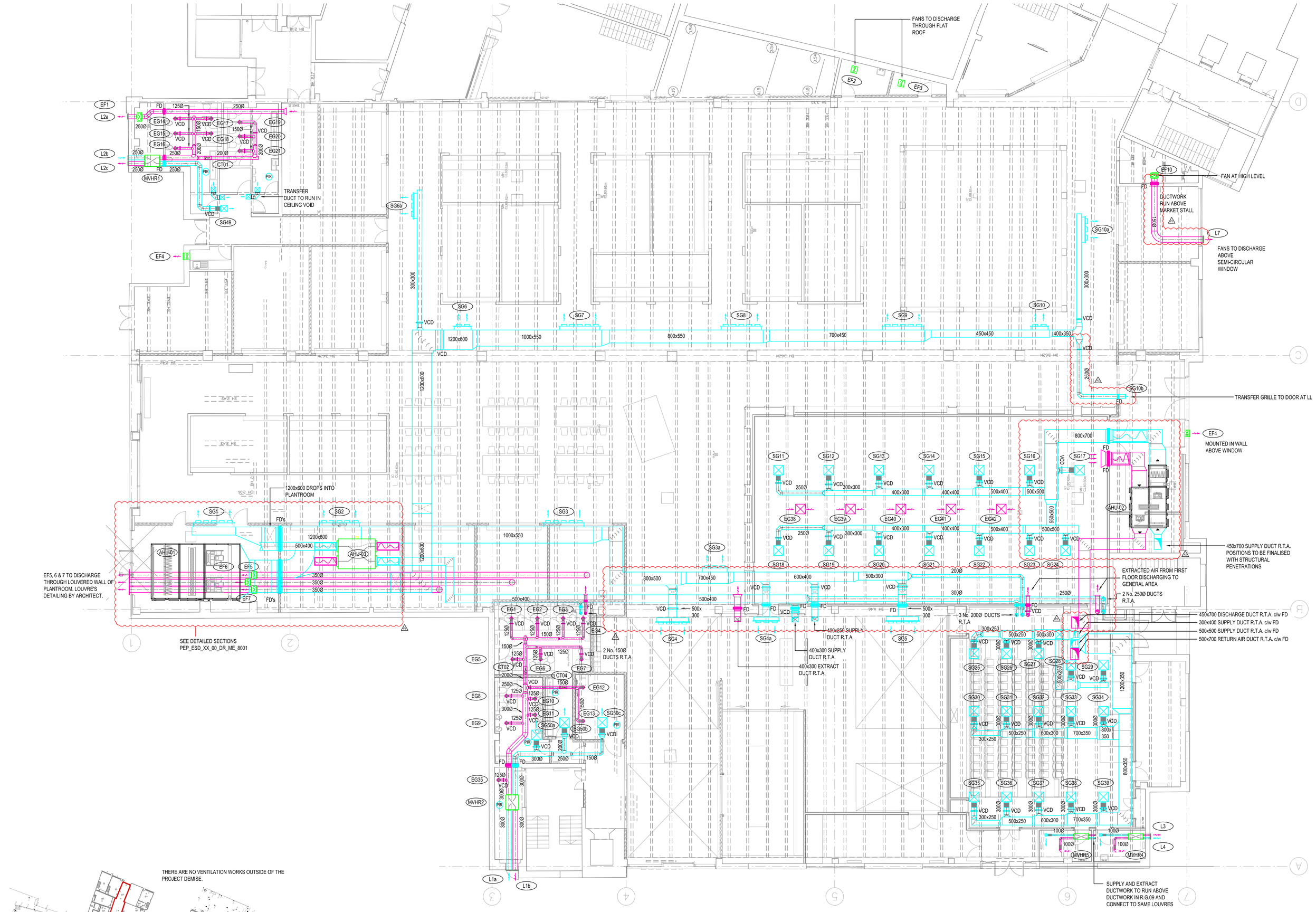
DRAWING REFERENCE	REVISION
25.08.2106. - 0477 01 (02) 024 - PROPOSED GROUND FLOOR LAYOUT	P1

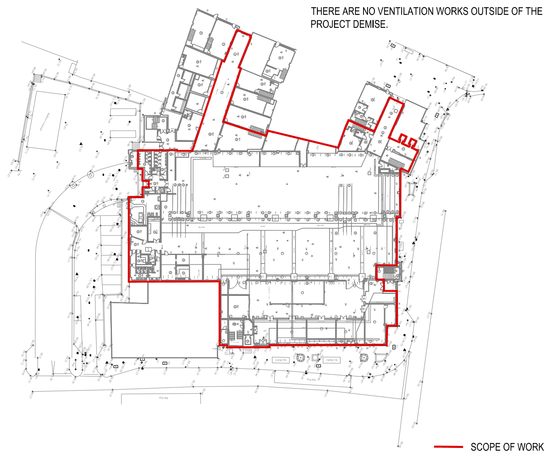
INFORMATION OUTSTANDING

- FIRE STRATEGY
- SPRINKLER PROVISION
- CEILING FINISHES
- FOOD COURT CANOPY REQUIREMENTS

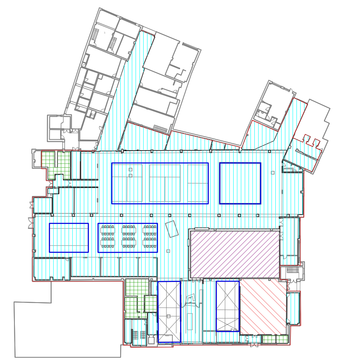
LEGEND

- EXTRACT GRILLE
- SUPPLY GRILLE
- EXHAUST LOUVRE
- FRESH AIR INTAKE LOUVRE
- MECHANICAL VENTILATION HEAT RECOVERY UNIT
- EXTRACT FAN
- DOOR TRANSFER GRILLE
- VCD — VOLUME CONTROL DAMPER
- FAN COIL UNIT
- REFRIGERANT PIPEWORK RUN ON CABLE TRAY
- ATTENUATOR
- TEMPERATURE SENSOR
- FIRE DAMPER (FD)





COMPLETE SITE PLAN



KEY

- NEW SUSPENDED CEILING, GYPLINER UNIVERSAL SYSTEM OR SIMILAR, INCORPORATING ACOUSTIC CEILING
- NEW SUSPENDED CEILING, GYPLINER UNIVERSAL SYSTEM OR SIMILAR, INCLUDE VAPOUR BARRIER TO GALLERY 1.
- EXISTING EXPOSED DOUBLE TT CONCRETE CEILING
- NEW LAY-IN CEILING GIRD 600 x 600 TILES

CEILING FINISHES

ENGINEERING SERVICES DESIGN LIMITED
MECHANICAL & ELECTRICAL CONSULTING ENGINEERS
22 NICHOLAS STREET
CHESTER
CH1 2NX
TEL: 01244-503-800
EMAIL: ENQUIRIES@ESDLTD.CO.UK
WEB: WWW.ESDLTD.CO.UK
esd Engineering Services Design Ltd

REV	DESCRIPTION	DATE	DRAWN	APPROVED
P3.0	UPDATED TO ALIGN WITH NEW X-REF & EF10 ADDED	10.02.17	JE	GR
P2.0	TYPOS CORRECTED; FDs ADDED; PHASING OMITTED	10.01.17	JE	GR
P1.0	TENDER ISSUE	09.11.16	JE	GR

TENDER

WYNNE CONSTRUCTION

PROJECT: WREXHAM ARTS AND CULTURAL CENTRE

DRAWING TITLE: PROPOSED VENTILATION & AIR CONDITIONING PLANT LAYOUT – GROUND FLOOR

DRAWN	IFG	DATE	26.10.16.
CHECKED	JE	DATE	26.10.16.
APPROVED	GR	DATE	26.10.16.
		SCALE	1:100@A0

DRAWING NO.: PEP_ESD_XX_00_DR_M_2000 | REV: P3.0