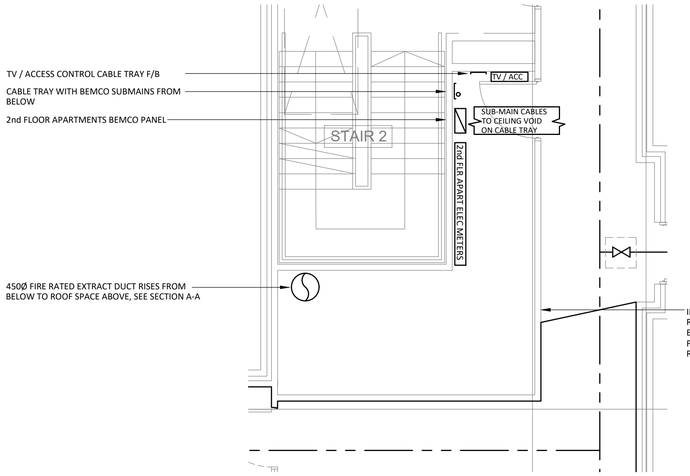
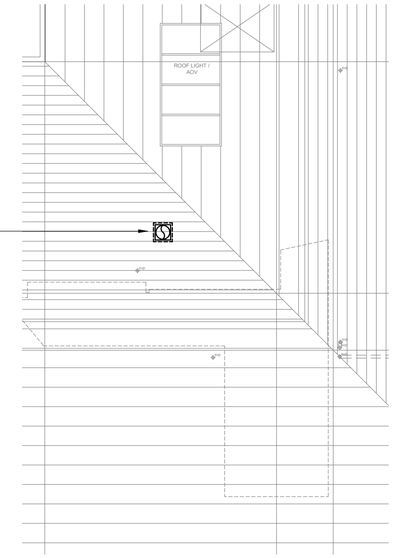
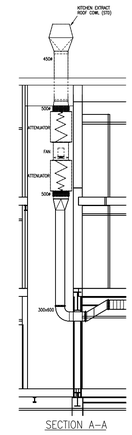


SECOND FLOOR SERVICES CUPBOARD (1:50)



PART ROOF PLAN (1:100)

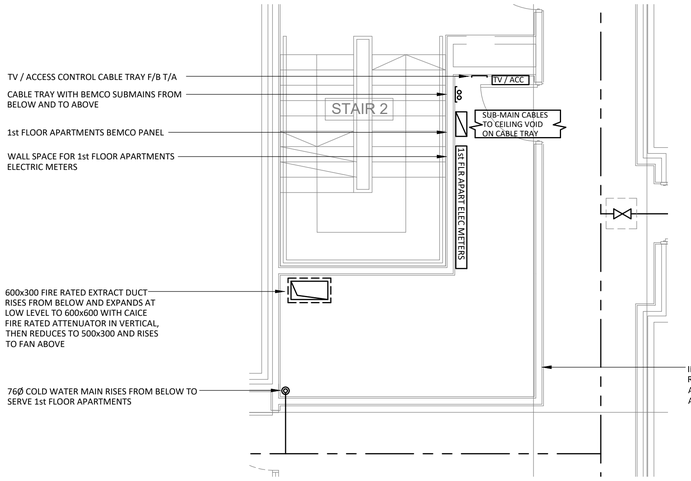


GENERAL NOTES:

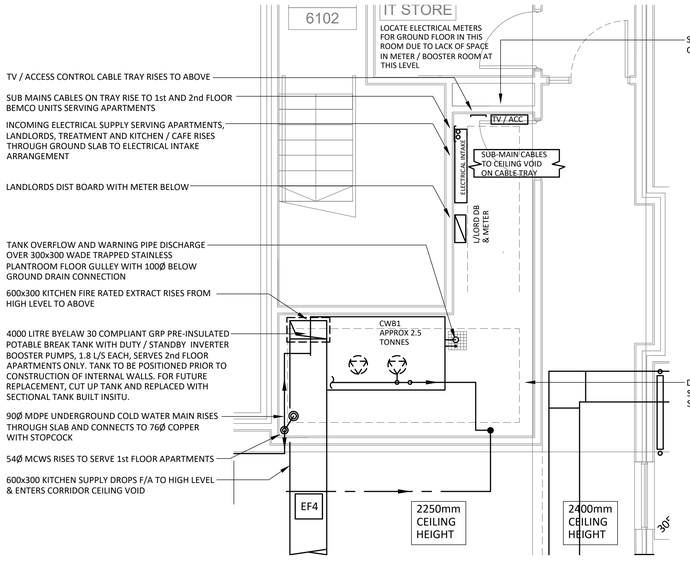
1. THIS DRAWING IS INDICATIVE OF CONCEPT, EQUIPMENT AND DISTRIBUTION LOCATIONS AND ROUTES ONLY. THE CONTRACTOR IS RESPONSIBLE FOR THE DESIGN OF ALL SERVICES.
2. THE CONTRACTOR DETERMINED PRECISE QUANTITIES AND SIZES OF MECHANCAL SERVICES EQUIPMENT AND INCLUDED WITHIN HIS TENDER PNCE ACCORDINGLY IRRESPECTIVE OF THE EQUIPMENT INIDCATED ON THIS DRAWING.
3. THE CONTRACTOR REFERRED TO THE MECHANICAL & ELECTRICAL SERVICES PERFORMANCE SPECIFICATIONS FOR SPECIFIC DESIGN CRITERIA TO ASSIST WITH PLANT AND DISTRIBUTION SIZING.
4. ALL DUCTWORK SUPPLIED AND INSTALLED IN ACCORDANCE WITH BESA DW 144 (GALVANISED).
5. KITCHEN EXTRACT DUCTWORK AND COMPONENTS INCLUDING ATTENUATORS AND ACCESS HATCHES ARE FIRE RATED AS AIRFORCE H&V LTD MODEL SAFE-4 DUCT SYSTEM.
6. FLEXIBLE DUCTWORK MAY HAVE BEEN USED FOR FINAL CONNECTIONS TO GRILLES & DIFFUSERS, MAXIMUM LENGTH = 500mm.
7. KITCHEN VENTILATION DESIGNED, SUPPLIED AND INSTALLED IN ACCORDANCE WITH BESA DW172. INCLUDE FIRE RATED ACCESS HATCHES FOR DUCT CLEANING AT PRESCRIBED INTERVALS.
8. INCLUDED DUCT ATTENUATORS AS REQUIRED TO COMPLY WITH NOISE CRITERIA STATED IN PERFORMANCE SPECIFICATION AND BASED ON CIBSE GUIDE A RECOMMENDED LEVELS.
9. INCLUDE VOLUME CONTROL DAMPERS ON DUCTWORK TO ALLOW BALANCING TO ACHEIVE DESIGN AIR VOLUMES TOLERANCE +10%, -0%.
10. FIRE STOP ALL SERVICES WHERE PASSING THROUGH FIRE WALLS, INCLUDING FIRE / SMOKE DAMPERS ON DUCTWORK AS APPROPRIATE (REFER TO BS 9999) & ROCKWOOL FIRE PRO 50mm ABLATIVE COATED BATT FOR PIPEWORK, CABLE TRAY AND ELECTRICAL CONTAINMENT PENETRATIONS OR EQUAL.
11. INCLUDED DUCT ACCESS HATCHES UPSTREAM OF EACH VCD, ADJACENT EACH FIRE DAMPER AND BOTH SIDES OF HEATING COILS AND IN ACCORDANCE WITH BESA TR/19
12. INCLUDED DOOR AIR TRANSFER GRILLES WHERE NECESSARY AND FIRE RATE WHERE REQUIRED.
13. CONTRACTOR INCLUDED FOR DESIGN OF SERVICES SUPPORT SYSTEMS INCLUDING BIGFOOT SUPPORT FRAMES, HANGERS, BRACKETS, UNISTRUT AND SECONDARY STEEL SUPPORT FRAMES. ALSO TO INCLUDE DESIGN OF WALL & CEILING PATTRESSES FOR M&E SYSTEM SUPPORTS.
14. CONTRACTOR INCLUDED ALL BUILDERSWORK IN CONNECTION WITH M&E SERVICES.
15. REFER TO CATERING LAYOUT DRAWINGS FOR FULL M&E SERVICES REQUIREMENTS.

LEGEND:

- MVHR — MECHANICAL VENTILATION HEAT RECOVERY UNIT (MITSUBISHI LOSSNAY LGH RVX TYPE)
- SWIRL TYPE DIFFUSER (GILBERTS)
- EGGCRATE EXTRACT GRILLE (GILBERTS)
- LOUVERED FACE DIFFUSER 2-WAY BLOW
- LOUVERED FACE DIFFUSER 4-WAY BLOW
- EXTRACT VALVE (UPVC, GILBERTS)
- LTHW RADIATOR WITH TRV & LOCKSHIELD
- GPP — GAS PROVING PANEL
- C — WALL MOUNTED LOSSNAY VENTILATION UNIT CONTROLLER (LOCAL TIME AND SPEED CONTROL)
- WM — WATER METER
- S&FD — SMOKE & FIRE DAMPER (FIRE ALARM ACTIVATED)
- FD — FIRE DAMPER (FUSIBLE LINK)



FIRST FLOOR SERVICES CUPBOARD (1:50)



GROUND FLOOR SERVICES CUPBOARD (1:50)

PART GROUND FLOOR LAYOUT (1:100)

Rev	Description	Date	DRN	CHK
AB	As Built	28/02/20	SLB	TW

REVISIONS

PROJECT
MINEHEAD APARTMENTS & CAFE

CLIENT
SOUTHWAY HOUSING TRUST

TITLE
INDICATIVE M&E SERVICES STRATEGY
KITCHEN, CAFE & METER CUPBOARD

SCALE	DATE
AS SHOWN	September 2019
DRAWN	CHECKED
SLB	SO
JOB No.	DRG No.
SEM0559	SEM0559/ME-01

SEMCO
UK
ENGINEERING SOLUTIONS
Graphite House
High Street
Crigglestone, Wakefield
WF4 3EF
Tel: 01924 240877