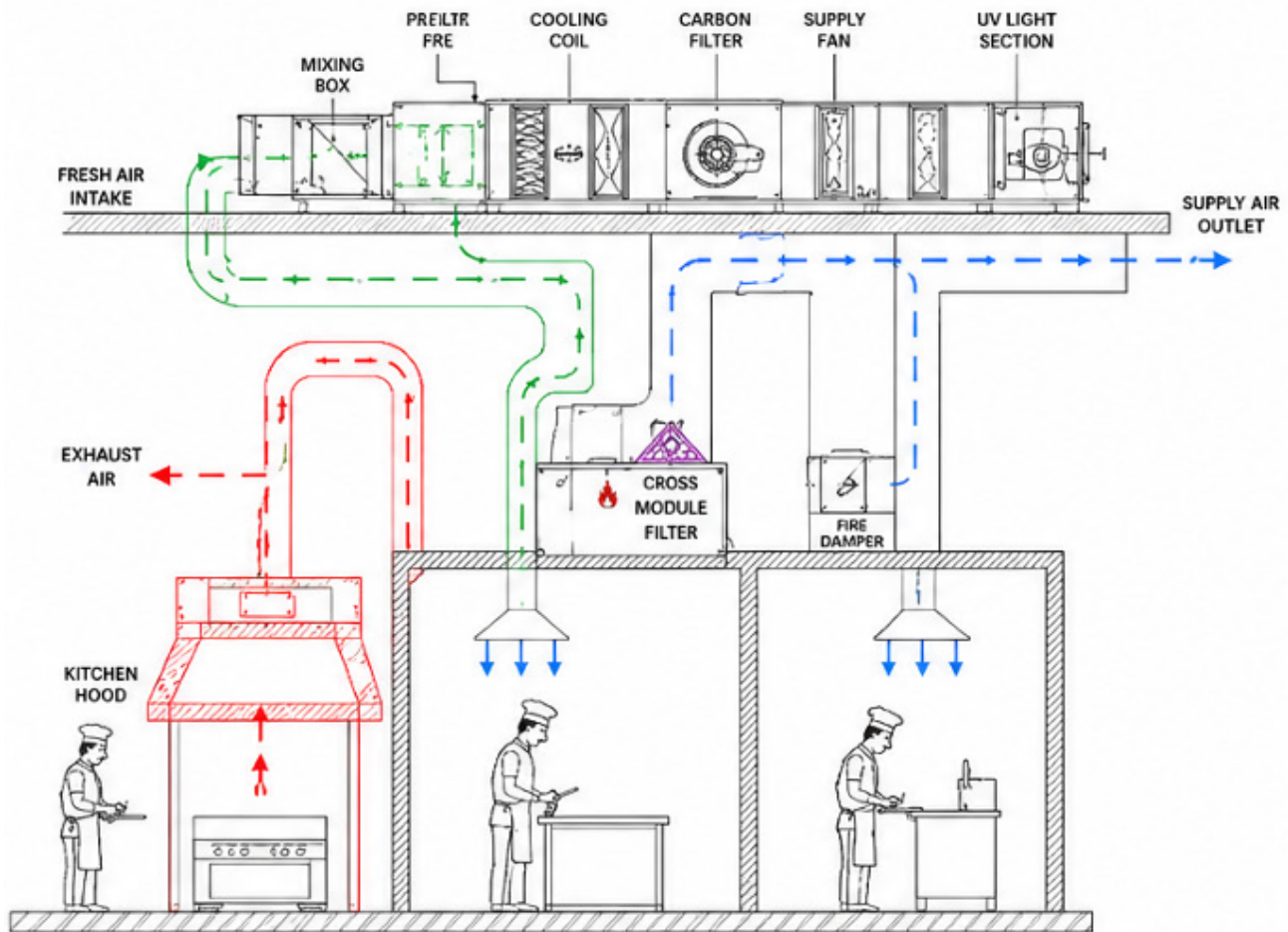
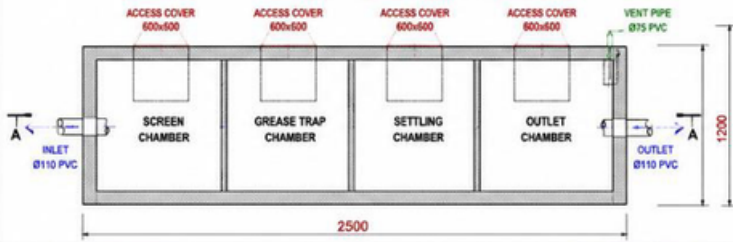


ECOLOGY UNI TECHNICAL DATA SHEET

SR NO.	FLOW RATE (CFM)	ESP (Pa)	OVERALL DIMENSION (L x W x H) (mm)	WEIGHT (kg)
1	2000	150.3	2440 x 1243 x 823	618
2	3000	150.3	2440 x 1243 x 823	638
3	4000	150.3	2440 x 1243 x 953	693
4	5000	150.3	2940 x 1243 x 953	778
5	6000	150.3	3510 x 1243 x 1123	846
6	8000	150.3	3510 x 1463 x 1123	922
7	10000	150.3	4420 x 2235 x 1123	1148
8	12000	150.3	4420 x 2235 x 1246	1308
9	16000	150.3	4420 x 2235 x 1466	1575
10	18000	150.3	5220 x 2235 x 1466	1835
11	20000	150.3	6600 x 2235 x 1680	2396



KITCHEN ECOLOGY UNIT (KEU) – STANDARD GENERAL ARRANGEMENT DRAWING



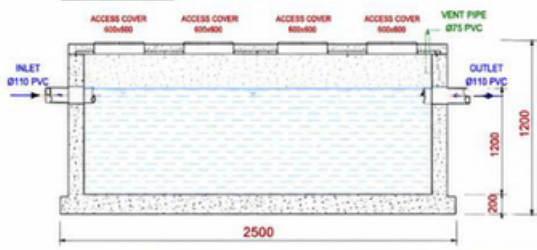
DESIGN SUMMARY

TYPE OF UNIT	KITCHEN ECOLOGY UNIT
APPLICATION	COMMERCIAL KITCHEN WASTE WATER
OVERALL SIZE (LxWxH)	2500 x 1200 x 1500 mm
EFFECTIVE WATER DEPTH	1200 mm
NO. OF CHAMBERS	4 (FOUR)
CONSTRUCTION	RCC (M30)
WALL THICKNESS	200 mm
PARTITION THICKNESS	150 mm
BASE SLAB THICKNESS	200 mm
INLET PIPE	Ø110 mm PVC
OUTLET PIPE	Ø110 mm PVC
VENT PIPE	Ø75 mm PVC

BILL OF MATERIALS (BOQ)

ITEM NO.	DESCRIPTION	UNIT	QTY.
1	EXCAVATION	m³	4.00
2	PCC (1:4:8)	m³	2.00
3	RCC (M30)	m³	4.50
4	REINFORCEMENT Fe500	kg	420.00
5	FORMWORK	m²	25.00
6	INLET PIPE Ø110 PVC	m	1.00
7	OUTLET PIPE Ø110 PVC	m	1.00
8	VENT PIPE Ø75 PVC	m	1.00
9	ACCESS COVER 600x600 (MS)	No	4
10	SCREEN BASKET (SS304)	No	1
11	BAFFLE PLATE (SS304)	No	2
12	WATER STOP	No	1

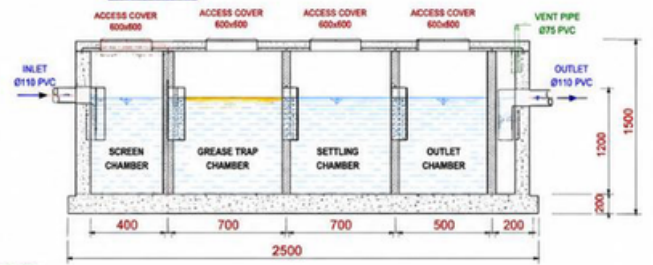
2. FRONT ELEVATION



3. SIDE ELEVATION



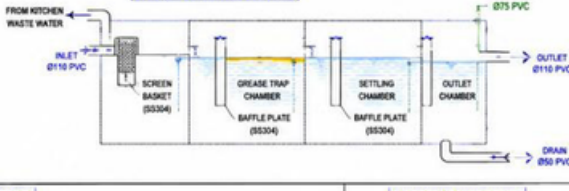
4. SECTION A-A



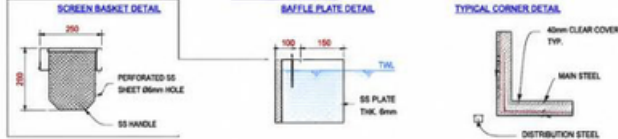
5. SECTION B-B



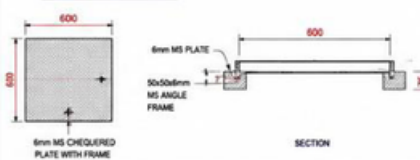
6. PIPING SCHEMATIC DIAGRAM



7. TYPICAL DETAILS



8. ACCESS COVER DETAIL



9. INSTALLATION NOTES

- KEU SHOULD BE INSTALLED ON FIRM AND LEVEL BASE.
- ALL JOINTS SHOULD BE WATER TIGHT.
- REGULARLY CLEAN THE SCREEN BASKET AND GREASE TRAP.
- REMOVE ACCUMULATED GREASE PERIODICALLY.
- ENSURE PROPER VENTILATION.

KITCHEN ECOLOGY UNIT (KEU) STANDARD STRUCTURAL DRAWING

DRAWN BY	ENG. DEPT.	SCALE	N.T.S.
CHECKED BY	ENG. DEPT.	DATE	MAY 2024
APPROVED BY	PROJECT MANAGER	DRAWING NO.	KEU-STD-001