

*PROPOSED RESIDENTIAL  
DEVELOPMENT*

*MECHANICAL SERVICES  
DRAWINGS*

SYMBOLS	DESCRIPTION		
	WATER CLOSET WITH 'P' OR S TRAP, COMPLETE WITH ALL NECESSARY FITTINGS.		
	WASH BASIN COMPLETE WITH ALL NECESSARY FITTINGS		
	SHOWER TRAY COMBO COMPLETE WITH ALL NECESSARY FITTINGS		
	WALL MOUNTED SHOWER SPRAY WITH ALL NECESSARY FITTINGS		
	STAINLESS STEEL SINK, DOUBLE BOW SINGLE DRAINER.		
F.D  R.D	TRAPPED FLOOR DRAIN / ROOF DRAIN( SIMPHONIC GUTTER TRAP FLANGE)		
	COLD WATER SUPPLY PIPELINE , PVC-TECHNOGREEN,G.I-TO BS		
	HOT WATER SUPPLY PIPELINE , PVC-TECHNOGREEN,G.I-TO BS		
	100mm SOIL PIPE IN GROUND,ROUTE PIPE TO INSPECTION CHAMBER. 50 BY 75mm WASTE PIPE IN GROUND,ROUTE PIPE TO INSPECTION CHAMBER.		
	RAIN WATER PIPE IN ROOF,ROUTE PIPE TO RW MANHOLE FROM SYMPHONIC FLANGE		
	PERFORATED RAIN WATER LEATHER/FOOTING DRAIN LINE		
	RAIN WATER DOWNSPOUTS COLLECTION DRAIN (Ø100 INTERNAL DIAMETER)		
HM	WATER HEATER (ARISTON )		
	INSPECTION CHAMBER (450mmX450mm)		
RWM	CATCH BASIN/ RAINWATER MANHOLE(200MM RAINOUT GUTTER THROUGH BY)		
	SEWAGE PIT(SIZE AS SPECIFIED)		

	GV	GATE VALVE OF DIAMETER AS SPECIFIED
	NRV	NON RETURN VALVE OF DIAMETER AS SPECIFIED
	SC	STOP COCK
	IC	VALVE PIT (HOUSE CONNECTION POINT) Consisting of 38mm upvc pressure pipe, 38mm Non return valve, Water meter, Gate Valve, Ferrule and saddle clip tapped from the 65mm and 50mm water supply network.
	FH	PUBLIC SYSTEM WET BARREL FIRE HYDRANT CONNECTION
		DIRECTION WITH SLOPE RATIO 1/4 WHERE INDICATED

STORAGE WATER HEATER SCHEDULE		
TAG NO.	CAPACITY (GALLON)	POWER (HP)
WH-A	50	1.5
WH-B	20	1.5
AC-C	15	1.5

DIRECTIONS/ SYMBOLS USED IN THIS DESIGN	
FA	FROM ABOVE
TB	TO BELOW
IW	IN WALL
UT	UNDER TILES
NTS	NOT TO SCALE
HL	HIGH LEVEL
UG	UNDER GROUND
UP	UP
DN	DOWN
IFS	IN FLOOR SLAB
BFS	BELOW FLOOR SLAB
SS	SOIL STACK
WS	WASTE STACK
VS	VENT STACK
FB	FROM BELOW

SEAL	PROJECT TITLE PROPOSED 6 B/ROOM DUPLEX	ARCHITECT FASEMI A.	DRAWING TITLE: LEGENDS
	CLIENT MRS. ASIMMA E. OKON	DRAWN BY IWEIBO S.E	DRAWING SCALE: N.T.S.
	LOCATION AKWA IBOM	CHECKED BY	
		APPROVED BY	
		DATE AUGUST, 2022.	DRAWINNG NO: M01

	UNIT BLOW WALL MOUNTED AC EVAPORATOR FAN (INVERTOR INDOOR UNIT)
	FLOOR STANDING UNIT BLOW AC EVAPORATOR FAN (INVERTOR INDOOR UNIT)
	SPLIT UNIT A.C COMPRESSOR/CONDENSER OUTDOOR UNIT (INVERTER CONTROLLER UNIT)
	MULTI-SPLIT UNIT A.C COMPRESSOR/CONDENSER OUTDOOR UNIT (INVERTER CONTROLLER UNIT)
	WALL MOUNT KITCHEN HOOD (DUCTLESS RECYCLING MODE TYPES)
	REFRIGERANT /CONDENSATE 1 1/8" OR AND 5/8" dia 25mm dia UPVC PIPES
	DRAIN PIPE
	EXTRACTOR FAN
	25mm U.G-UPVC HVAC FREE DRAIN CONNECTED TO SITE/ TERRACE DRAIN
	25mm DRAIN CONNECTED TO WHB TOILET DRAIN
	TO 50mm UPVC HVAC FREE DRAIN TO FLOOR LEVEL

## SYMBOLS & LEGENDS

	- STANDARD COVERAGE QUICK RESPONSE PENDENT SPRINKLER HEAD
	- EXTENDED COVERAGE QUICK RESPONSE PENDENT SPRINKLER HEAD
	- OS & Y GATE VALVE
	- DRAIN VALVE
	- ZONE CONTROL ASSEMBLY
	- RISER
	- FIRE DEPARTMENT CONNECTION
	- AIR VENT
	- LANDING VALVE

### AC SCHEDULE EXTRACTOR FAN SCHEDULE

TAG NO.	NOMINAL COOLING CAPACITY (BTU/H)	NOMINAL COOLING POWER (HP)	TAG NO.	NOMINAL PERFORMANCE	
				MINIMUM REQUIRED (m³/h)	RECOMMENDED (m³/h)
AC-1	9,000	1.0	EF-1	200	220
AC-2	12,000	1.0	EF-2	120	140
AC-3	18,000	2.0	EF-3	100	100

SEAL

PROJECT TITLE

PROPOSED 6 B/ROOM DUPLEX

ARCHITECT

FASEMI A.

DRAWING TITLE:

GENERAL NOTES

DRAWN BY

IWEIBO S.E

DRAWING SCALE:

M02

CLIENT

MRS. ASIMMA E. OKON

CHECKED BY

N.T.S.

LOCATION

AKWA IBOM

APPROVED BY

AUGUST, 2022.

## PLUMBING SYSTEM

1-DRAWINGS SHOWING THE LOCATIONS OF PLUMBING EQUIPMENT, PIPING, ETC. ARE DIAGRAMMATIC AND JOB CONDITIONS. THE DRAWINGS SHOW THE GENERAL ARRANGEMENTS OF EQUIPMENT, PIPING, ETC. AND SHALL BE FOLLOWED AS CLOSELY AS ACTUAL BUILDING CONSTRUCTION AND THE WORK OF OTHER TRADES WILL PERMIT.

2-PIPE SIZES INDICATED ARE OUTER DIAMETER IN mm AND ALL INVERT LEVELS ARE MEASURED FROM FINISHED FLOOR LEVEL.

3-ALL VALVES AND ACCESSORIES SHALL BE FULL LINE SIZE, PROVIDE ALL NECESSARY UNIONS, REDUCERS, STOPS AS REQUIRED WHEN CONNECTING TO EACH FIXTURE AND/OR EQUIPMENT AND USE BALL VALVE FOR ALL PIPE VALVE.

4-SLOPE OF 1/4 TO 1/2 BY FOOT SHOULD BE MAINTAINED FOR ALL DRAIN AND WASTE PIPES AS VENT PIPE ARE UPVC 4 BAR WHILE DRAINAGE PIPES ARE UPVC 6 BAR.

5-VENT PIPES BETWEEN THE SINKS DRAIN AND WASTE PIPES INTERSECTION MUST BE 50mm IN DIAMETER AS WHERE DESIGN TO ACT AS BOTH WASTE AND DRAIN VENT.

6-ALL TOILET WASTE PIPES MUST MAKE A T OR Y WITH THE VENT BOTTOM SUCH THAT THE VENT PIPES GOES VERTICALLY UPWARD FROM THE HORIZONTAL WASTE PIPES

7-ALL WASTE LINES MUST HAVE A Y-SHAPED CLEANOUTS TO AVOID ANY SERIOUS OBSTRUCTIONS WITHIN THE SYSTEM

8-ALL SINKS DRAIN PIPES ARE 40mm IN DIAMETER WHICH CONNECTS TO THE VERTICAL VENTS.

9-WHERE MAIN PIPE SIZE IS NOT INDICATED BETWEEN BRANCH CONNECTIONS ON THE DRAWING, THE PIPE SIZE SHALL BE OF THE LARGER PRECEDING PIPE SIZE.

10-ALL EXPOSED PIPES SHALL BE PROPERLY INSULATED ACCORDING TO SPECIFIED INSULATING MATERIAL.  
11-PROVIDE EXPANSION LOOP/ CONNECTION WHERE NECESSARY AND ALL PIPES SHALL BE GROUNDED.

## SUPPRESSION SYSTEM

1-THE DESIGN IS A WET STAND ALONE SYSTEM OF LIGHT HAZARD CONFIGURATION (Tree Configuration).

2-STANDARD OF NFPA 13D & 13R.

3-THIS DRAWING SHALL BE READ IN CONJUNCTION WITH THE OTHER MECHANICAL SERVICES, ELECTRICAL , STRUCTURAL AND ARCHITECTURAL DRAWINGS.

4-PIPES SHALL BE CPVC SCH 80 AND TO BE CARRY A RATED WORKING PRESSURE OF 175psi AT 150F AND JOINT ARE VICTAULIC.

5-DISTRIBUTION AND RANGE PIPES SIZES ARE INDICATED IN THE DIAGRAM WHILE ALL SPRINKLER PIPES ARE 25mm FOR THE SPRINKLERS.

6-PIPE SUPPORT HANGER ON CROSS MAINS REQUIRE TRAPEZE HANGERS WHILE FIRST HANGER SHOULD NOT EXCEED 900 MM FROM THE BEGINNING OF BRANCH.

7-HYDRO TEST THE SYSTEM TO 150% OF THE WORKING PRESSURE FOR AT LEAST FOUR (4) HOURS WITH CLEAN WATER, NO LEAKAGE ALLOWED DURING THIS PERIOD.

8-ALL PIPES PASS THROUGH WALL OR SLAB SHALL BE THROUGH PIPE SLEEVES.

9-THE PIPING NETWORK SHALL BE INSTALLED SO THAT THE SYSTEM MAY BE DRAINED.

## HVAC SYSTEM

1-The wall-hung splits are designed for high wall mounting, a minimum of 2400mm from the floor.

2-You must ensure that both "liquid" and suction lines are insulated and preference should be for ceiling surface route over wall routing.

3-Wire the power supply to the indoor unit directly from the outdoor unit without using a junction box or an indoor disconnect switch.

4-The use of multi-connector 14AWG wire line set option is recommended.

5-Polarity is very important when wiring the system and ensure hood to be connected to their dedicated power line.

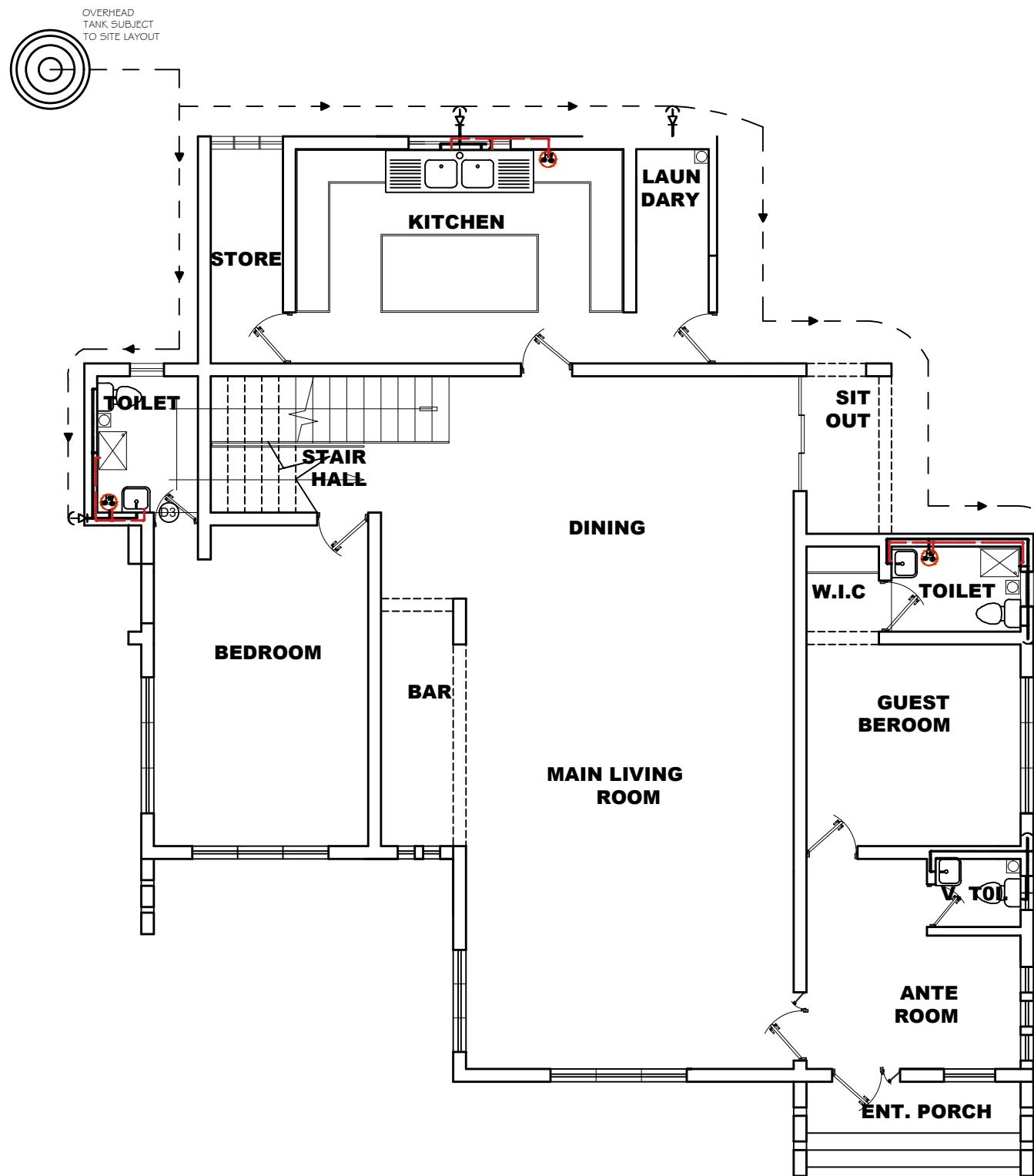
6-The range hood should be installed 700mm to 800mm above the cooktop and a 12mm minimum space must be provided between cabinet wall and the hood head.

7-The hood should always be installed over a backsplash (don't cut or frame a hood into a backsplash) and are to be attached to a structural beam or joist.

8-The Switches are to be located at the spaces entrance.

**SEAL**

PROJECT TITLE  PROPOSED 6 B/ROOM DUPLEX	ARCHITECT	FASEMI A.	DRAWING TITLE:  GENERAL INSTRUCTIONS
	DRAWN BY	IWEIBO S.E	
CLIENT  MRS. ASIMMA E. OKON	CHECKED BY		DRAWING SCALE:  N.T.S.
	APPROVED BY		
LOCATION  AKWA IBOM	DATE	AUGUST, 2022.	DRAWING NO:  M03



## GROUND FLOOR PLAN

SEAL

PROJECT TITLE  
PROPOSED 6 B/ROOM DUPLEX

ARCHITECT  
FASEMI A.

DRAWING TITLE:  
WATER SUPPLY PLAN

DRAWN BY  
IWEIBO S.E

DRAWING SCALE:  
N.T.S.

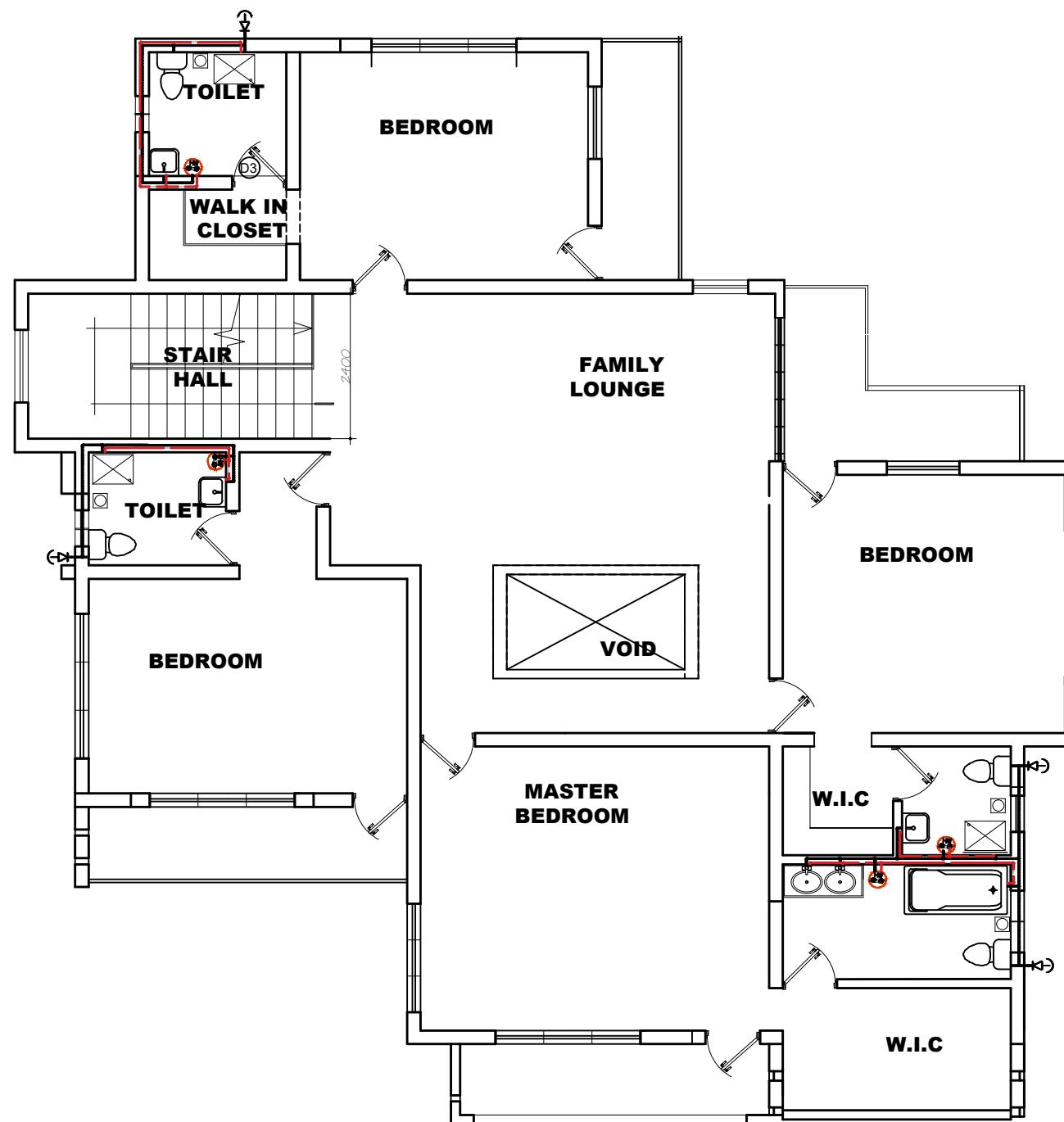
CLIENT  
MRS. ASIMMA E. OKON

CHECKED BY  
APPROVED BY

DRAWINNG NO:  
M04

LOCATION  
AKWA IBOM

DATE  
AUGUST, 2022.



FIRST FLOOR PLAN

SEAL

PROJECT TITLE

PROPOSED 6 B/ROOM DUPLEX

ARCHITECT

FASEMI A.

DRAWING TITLE:

WATER SUPPLY PLAN

DRAWN BY

IWEIBO S.E

DRAWING SCALE:

M05

CLIENT

MRS. ASIMMA E. OKON

CHECKED BY

N.T.S.

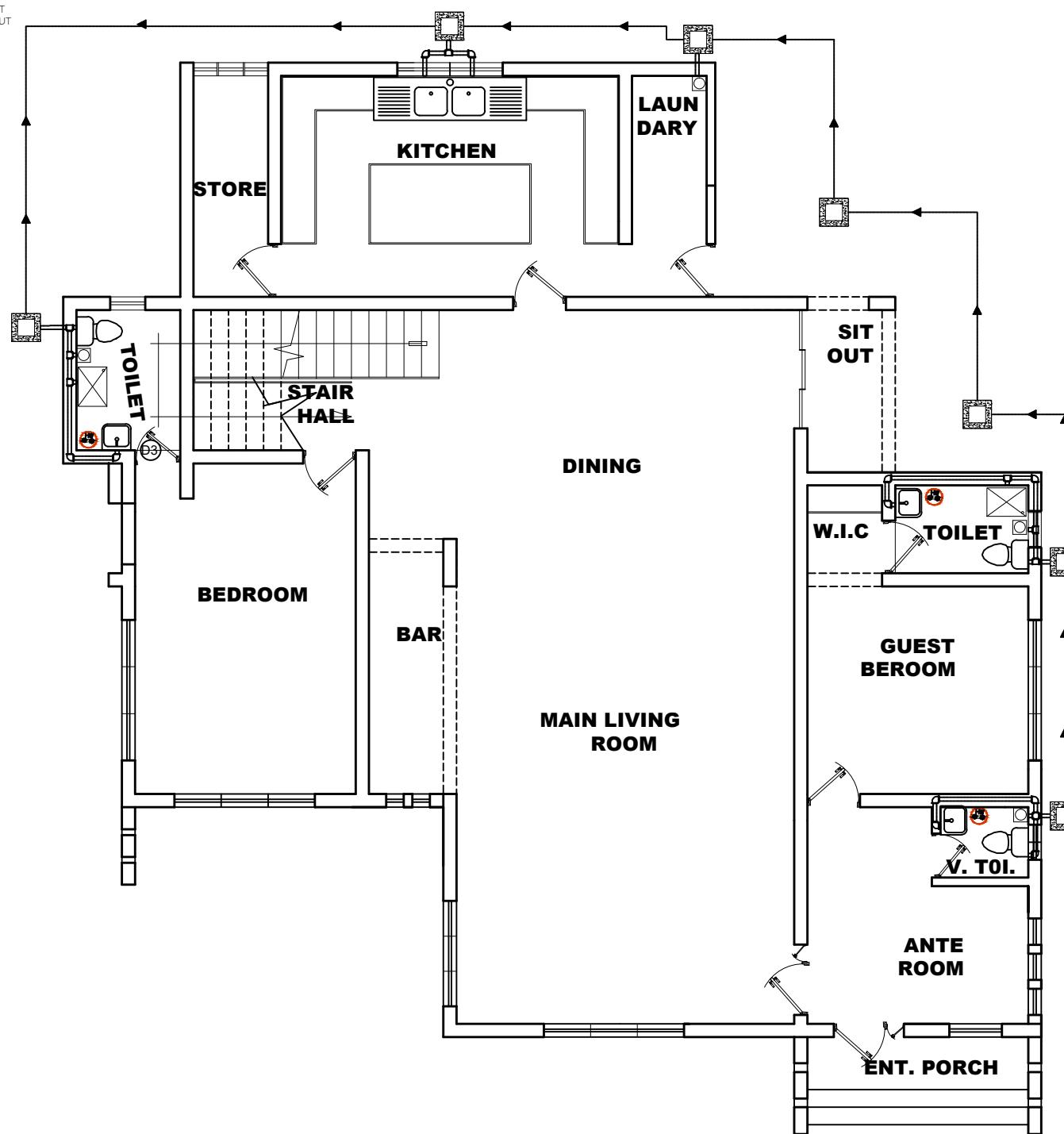
LOCATION

AKWA IBOM

APPROVED BY

AUGUST, 2022.

TO SEPTIC  
TANK SUBJECT  
TO SITE LAYOUT



GROUND FLOOR PLAN

SEAL

PROJECT TITLE  
PROPOSED 6 B/ROOM DUPLEX

ARCHITECT  
FASEMI A.

DRAWING TITLE:  
WASTE EXTRACT PLAN

DRAWN BY  
IWEIBO S.E

DRAWING SCALE:

M06

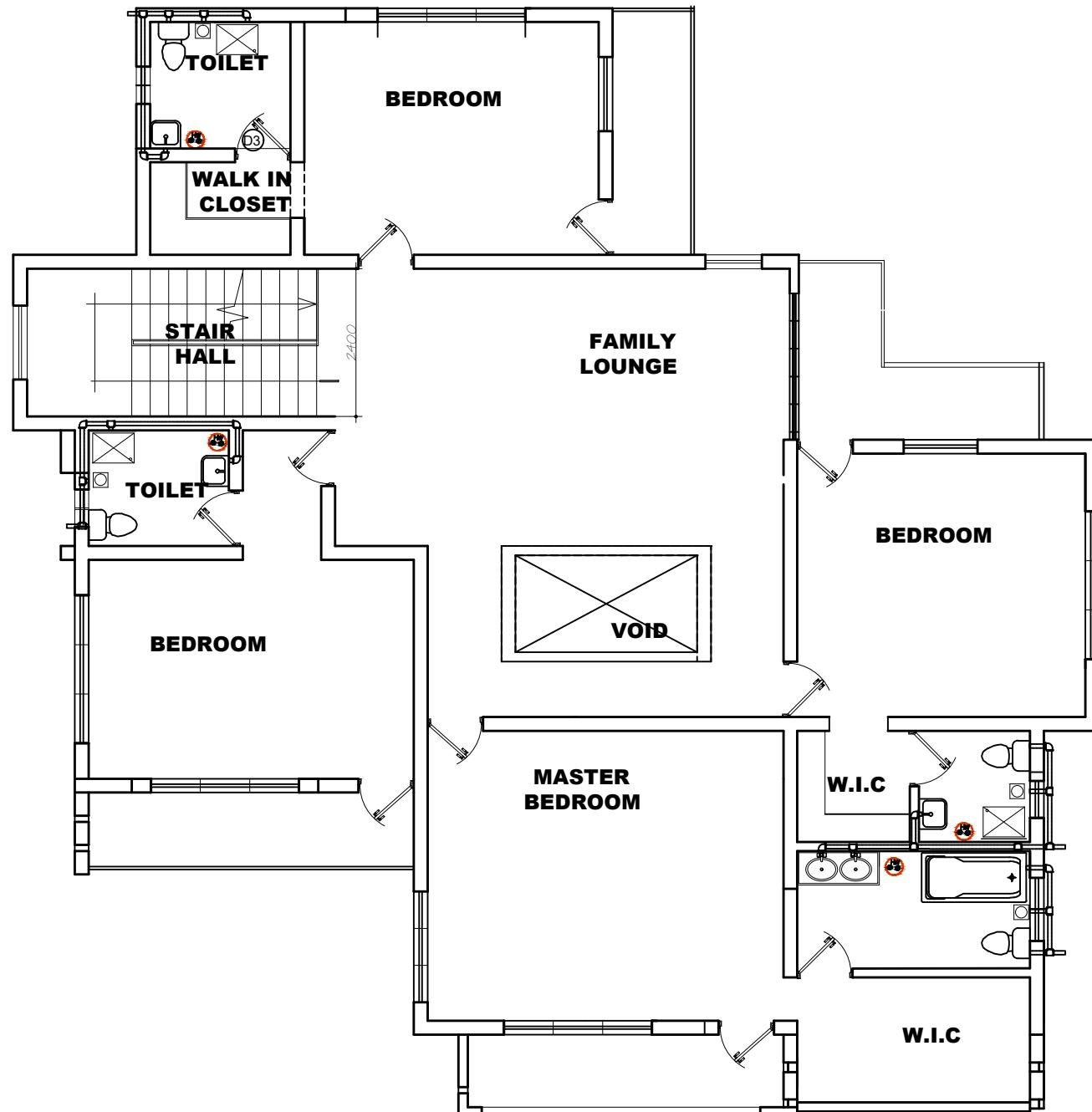
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DRAWING NO:

APPROVED BY

N.T.S.

DATE  
AUGUST, 2022.



## FIRST FLOOR PLAN

**SEAL**

PROJECT TITLE  
PROPOSED 6 B/ROOM DUPLEX

ARCHITECT  
FASEMI A.

DRAWING TITLE:  
WASTE EXTRACT PLAN

DRAWN BY  
IWEIBO S.E

DRAWING SCALE:  
N.T.S.

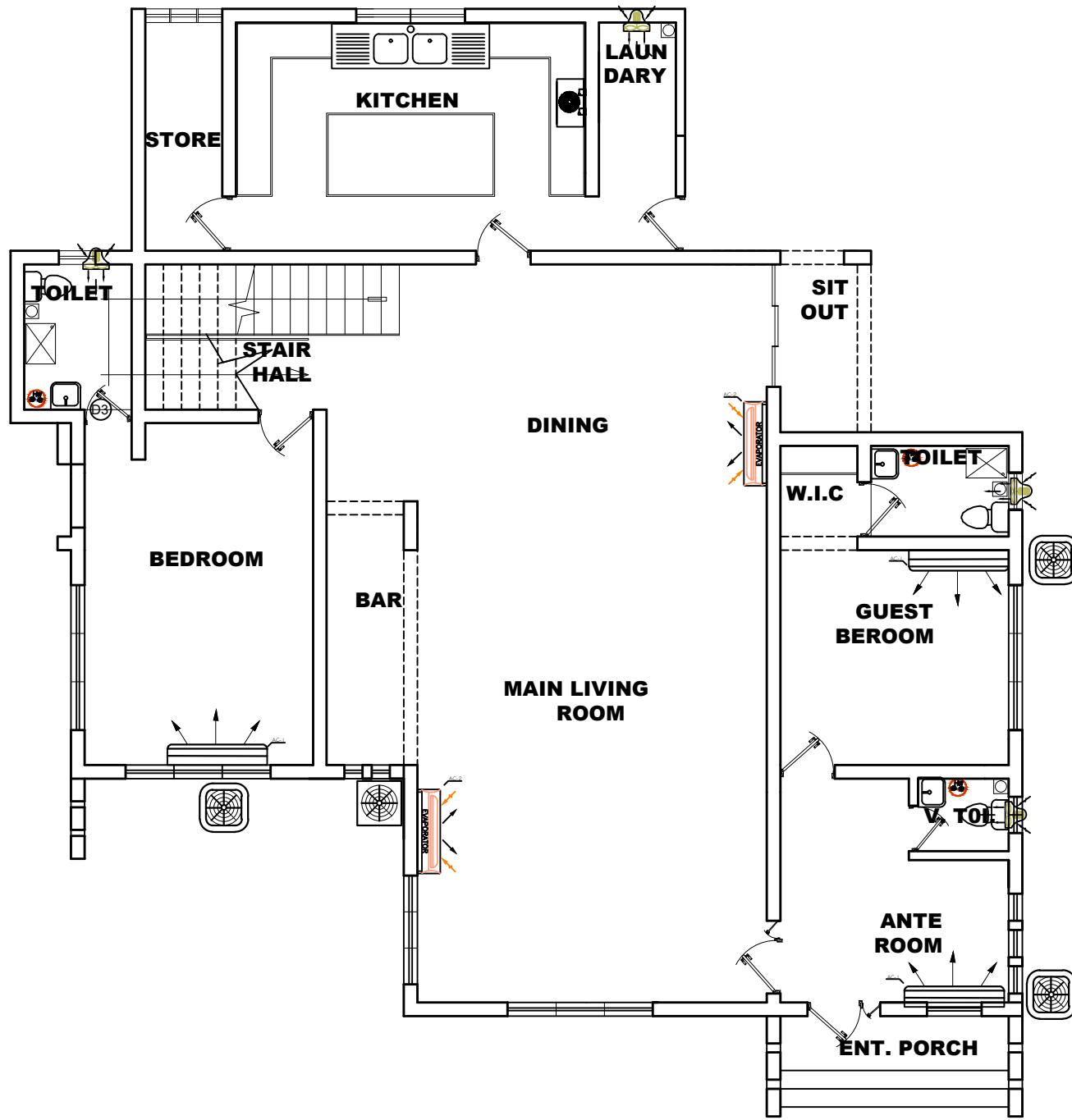
CLIENT  
MRS. ASIMMA E. OKON

CHECKED BY

DRAWINNG NO:  
M07

LOCATION  
AKWA IBOM

APPROVED BY  
DATE  
AUGUST, 2022.



**SEAL**

PROJECT TITLE

PROPOSED 6 B/ROOM DUPLEX

ARCHITECT

FASEMI A.

DRAWING TITLE:

HVAC LAYOUT

DRAWN BY

IWEIBO S.E

DRAWING SCALE:

M08

CLIENT

MRS. ASIMMA E. OKON

CHECKED BY

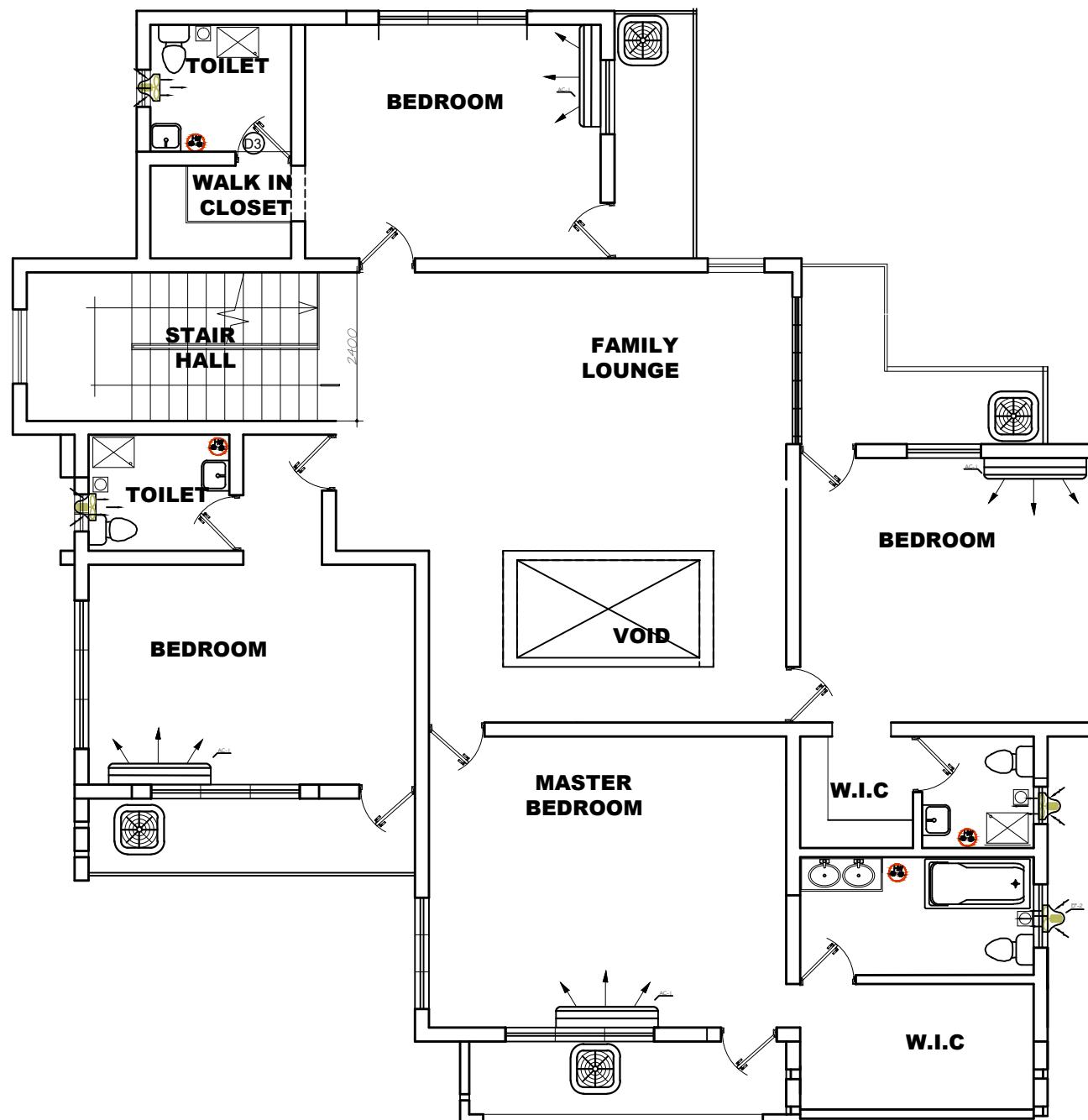
N.T.S.

LOCATION

AKWA IBOM

APPROVED BY

AUGUST, 2022.



## FIRST FLOOR PLAN

SEAL

PROJECT TITLE  
PROPOSED 6 B/ROOM DUPLEX

ARCHITECT  
FASEMI A.

DRAWING TITLE:  
HAVC LAYOUT

DRAWN BY  
IWEIBO S.E

DRAWING SCALE:

CLIENT  
MRS. ASIMMA E. OKON

CHECKED BY

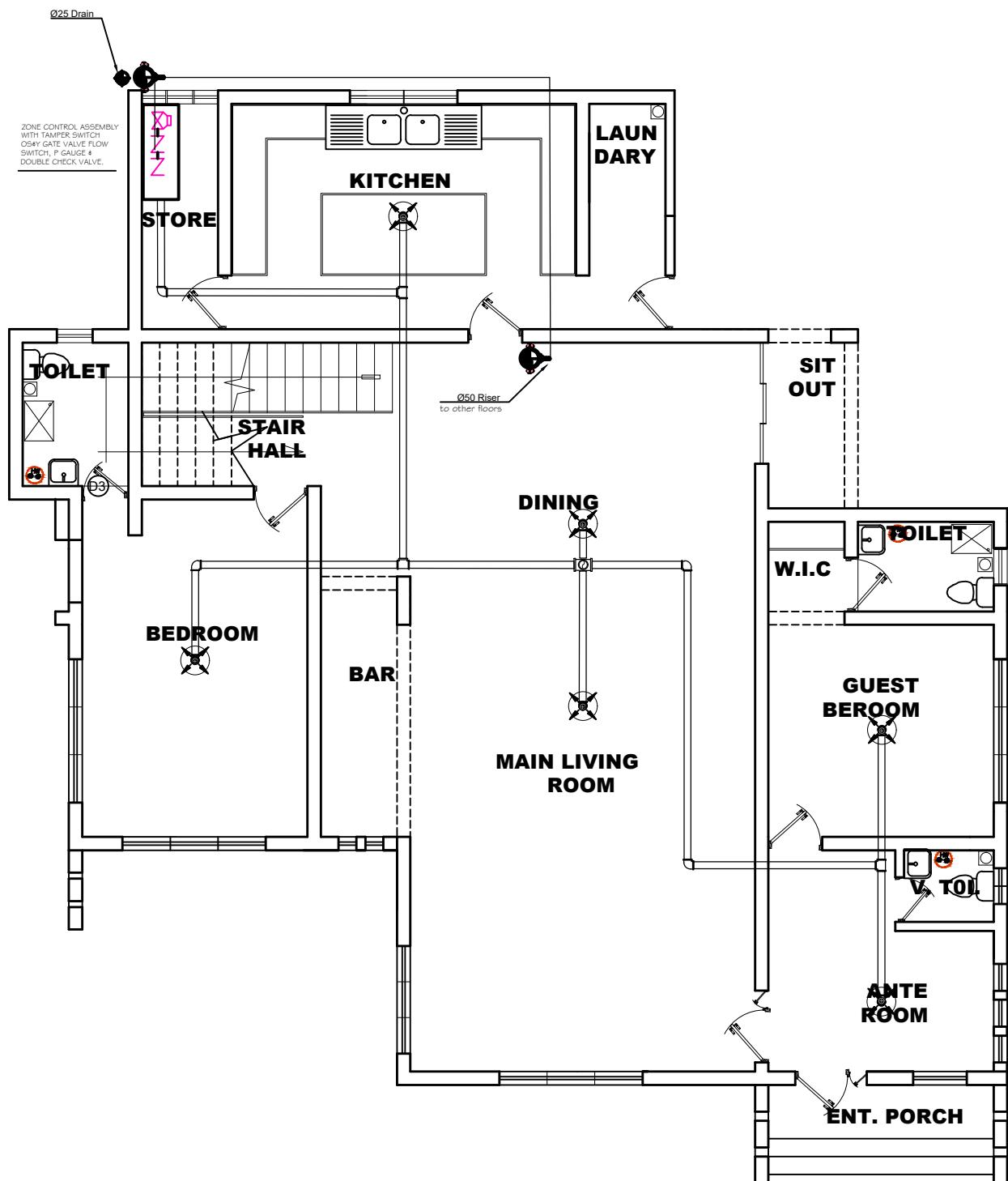
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LOCATION  
AKWA IBOM

APPROVED BY

M09

DATE  
AUGUST, 2022.



## GROUND FLOOR PLAN

SEAL

PROJECT TITLE  
PROPOSED 6 B/ROOM DUPLEX

ARCHITECT  
FASEMI A.

DRAWING TITLE:  
FIRE SUPPRESSION LAYOUT

DRAWN BY  
IWEIBO S.E

DRAWING SCALE:

M10

CLIENT  
MRS. ASIMMA E. OKON

CHECKED BY

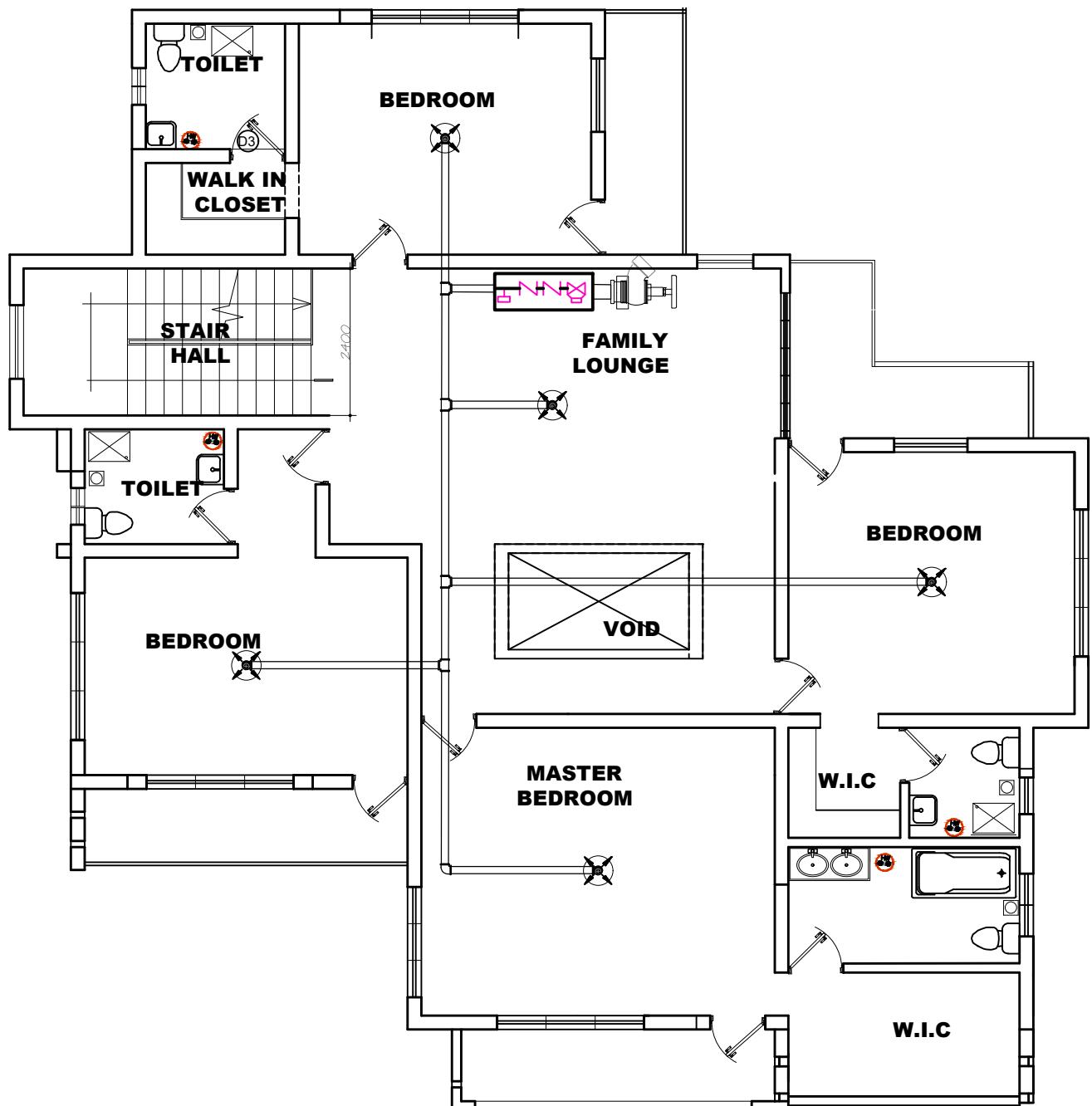
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LOCATION  
AKWA IBOM

APPROVED BY

N.T.S.

DATE  
AUGUST, 2022.



## FIRST FLOOR PLAN

SEAL

PROJECT TITLE  
PROPOSED 6 B/ROOM DUPLEX

ARCHITECT  
FASEMI A.

DRAWING TITLE:  
FIRE SUPPRESSION LAYOUT

DRAWN BY  
IWEIBO S.E

DRAWING SCALE:

CLIENT  
MRS. ASIMMA E. OKON

CHECKED BY

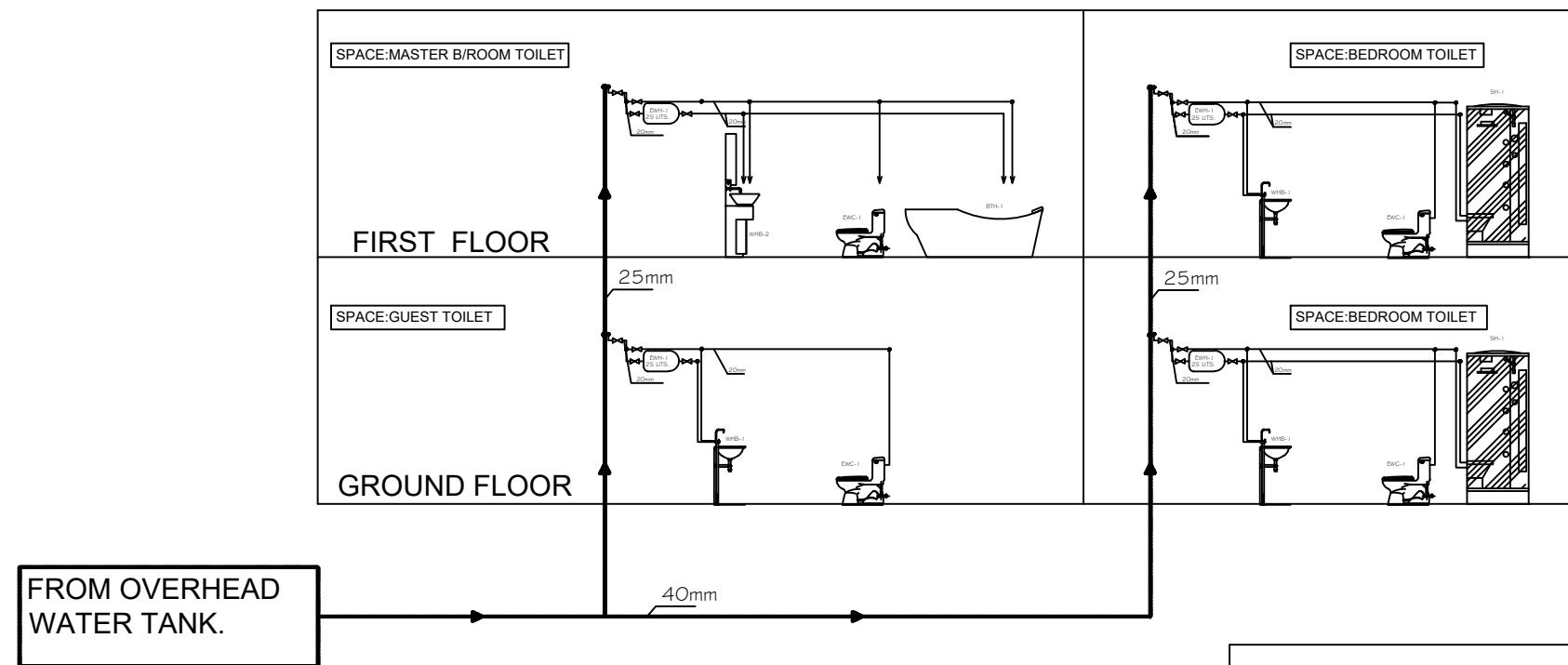
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M11

LOCATION  
AKWA IBOM

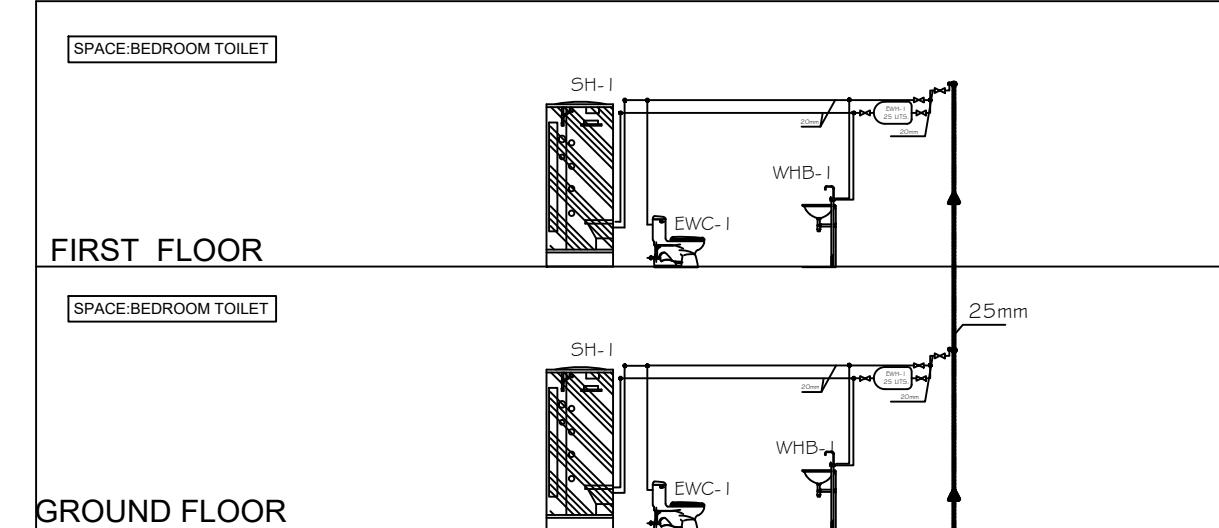
APPROVED BY

N.T.S.

DATE  
AUGUST, 2022.



**RIGHT SIDE VIEW**



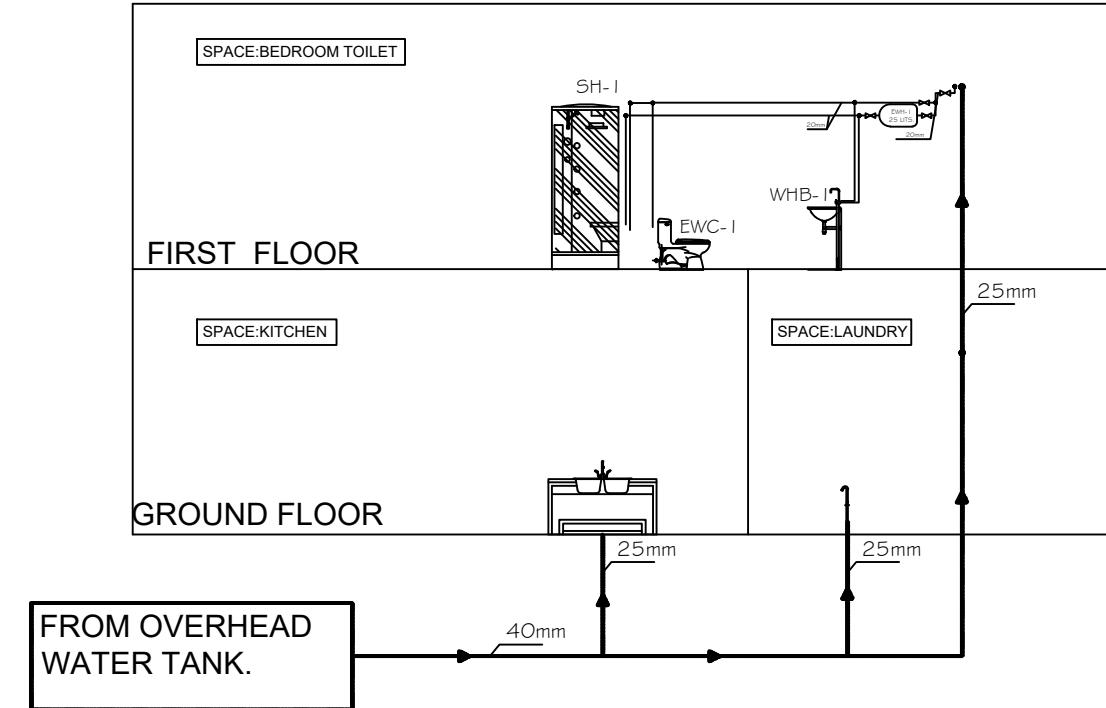
**LEFT SIDE VIEW**

**SEAL**

**PROJECT TITLE**  
PROPOSED 6 B/ROOM DUPLEX  
**CLIENT** MRS. ASIMMA E. OKON  
**LOCATION** AKWA IBOM

**ARCHITECT** FASEMI A.  
**DRAWN BY** IWEIBO S.E  
**CHECKED BY**  
**APPROVED BY**  
**DATE** AUGUST, 2022.

**DRAWING TITLE:**  
SUPPLY RISER DIAGRAM  
**DRAWING SCALE:**  
N.T.S.      **DRAWINNG NO:**  
M12



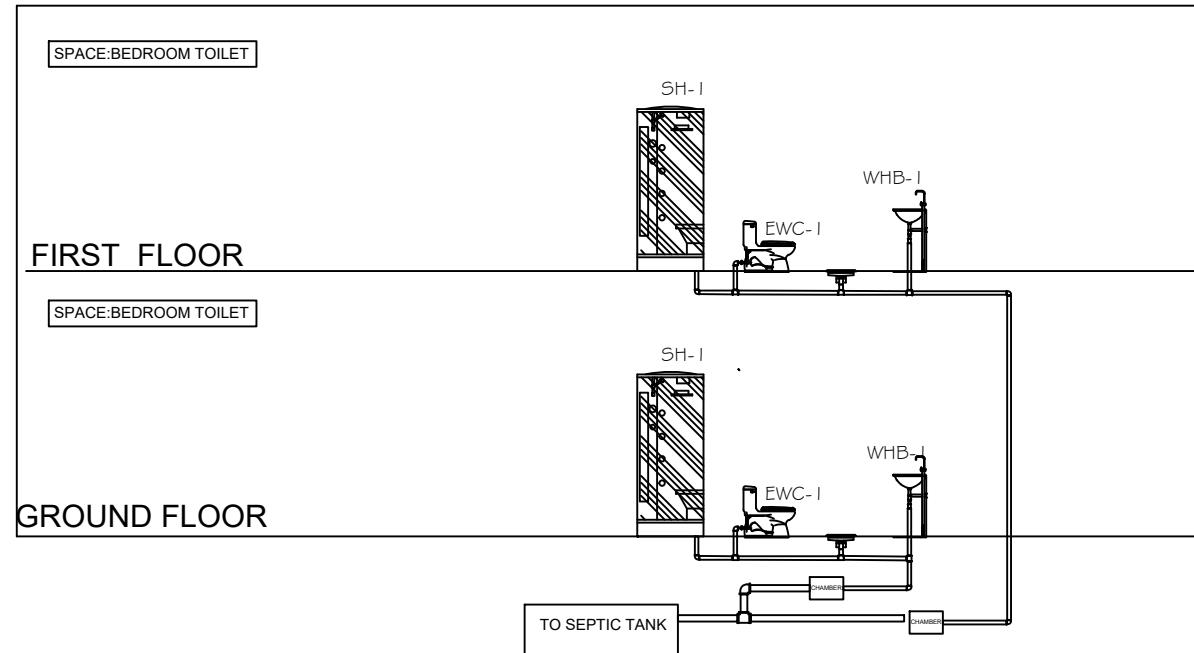
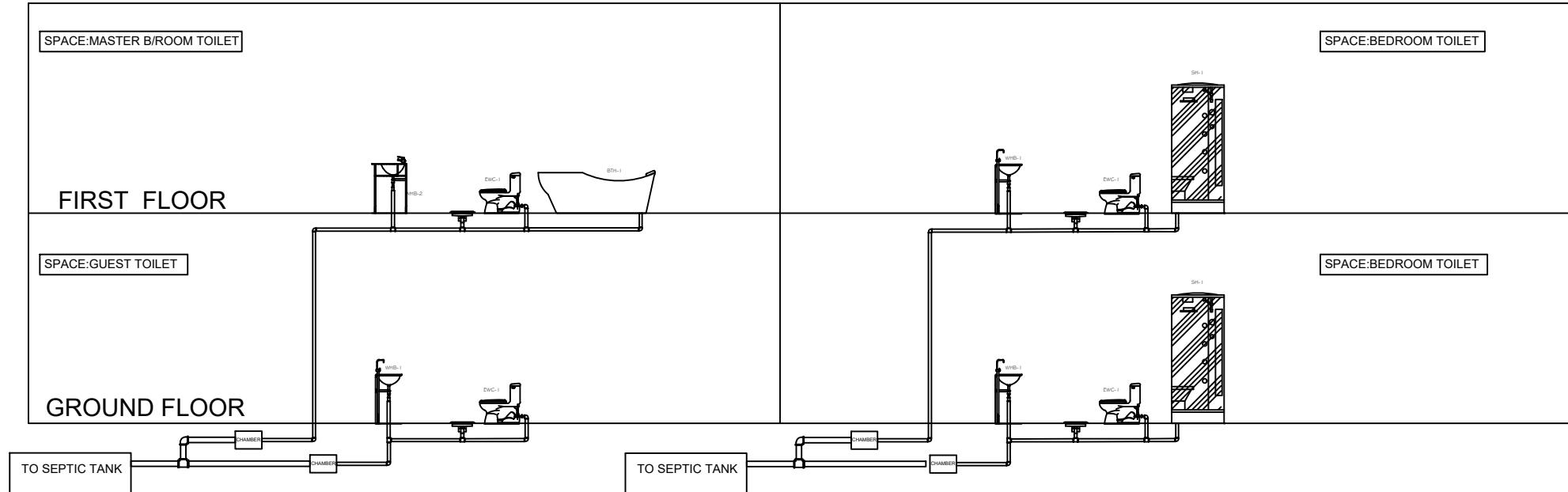
**REAR VIEW**

**SEAL**

PROJECT TITLE  
PROPOSED 6 B/ROOM DUPLEX  
CLIENT  
MRS. ASIMMA E. OKON  
LOCATION  
AKWA IBOM

ARCHITECT  
FASEMI A.  
DRAWN BY  
IWEIBO S.E.  
CHECKED BY  
APPROVED BY  
DATE  
AUGUST, 2022.

DRAWING TITLE:  
SUPPLY RISER DIAGRAM  
DRAWING SCALE:  
N.T.S.  
DRAWINNG NO:  
M13

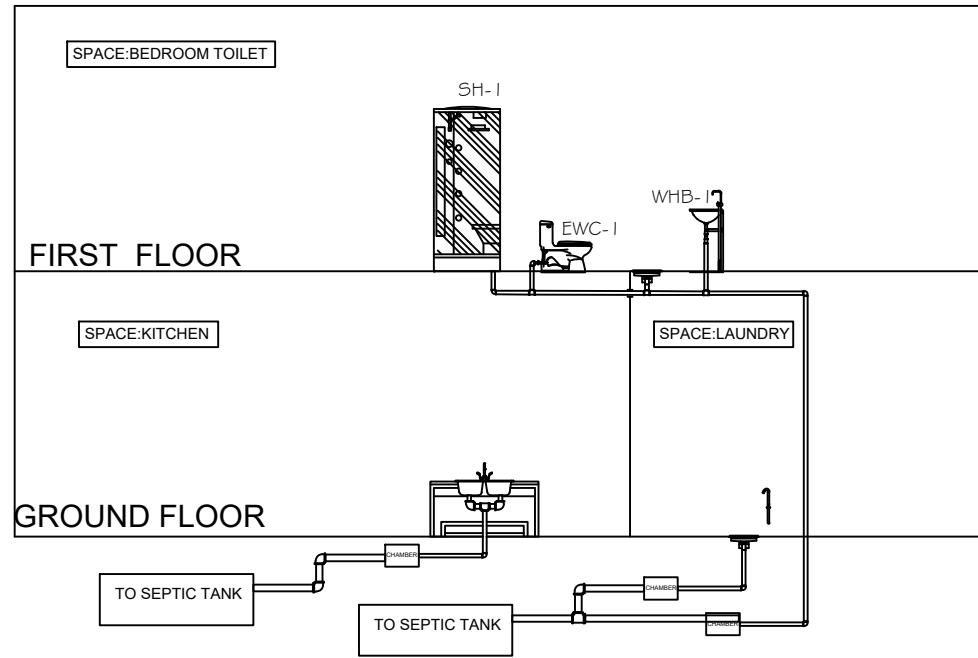


**SEAL**

PROJECT TITLE  
PROPOSED 6 B/ROOM DUPLEX  
CLIENT  
MRS. ASIMMA E. OKON  
LOCATION  
AKWA IBOM

ARCHITECT  
FASEMI A.  
DRAWN BY  
IWEIBO S.E  
CHECKED BY  
APPROVED BY  
DATE  
AUGUST, 2022.

DRAWING TITLE:  
WASTE DRAINAGE LINE DIAGRAM  
DRAWING SCALE:  
N.T.S.  
DRAWINNG NO:  
M14



**SEAL**

PROJECT TITLE  
PROPOSED 6 B/ROOM DUPLEX

CLIENT  
MRS. ASIMMA E. OKON

LOCATION  
AKWA IBOM

ARCHITECT  
FASEMI A.

DRAWN BY  
IWEIBO S.E

CHECKED BY

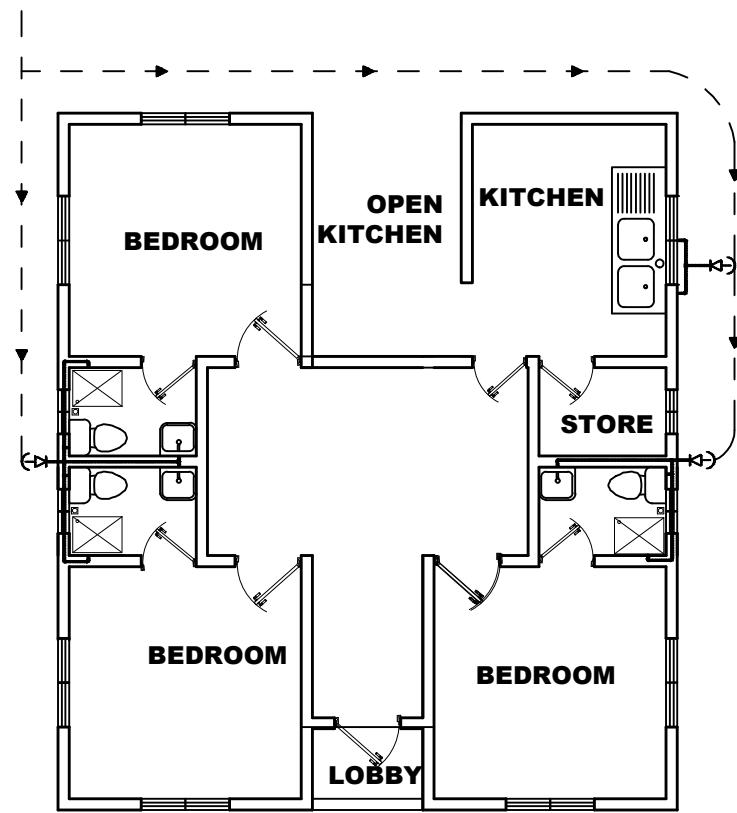
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AUGUST, 2022.

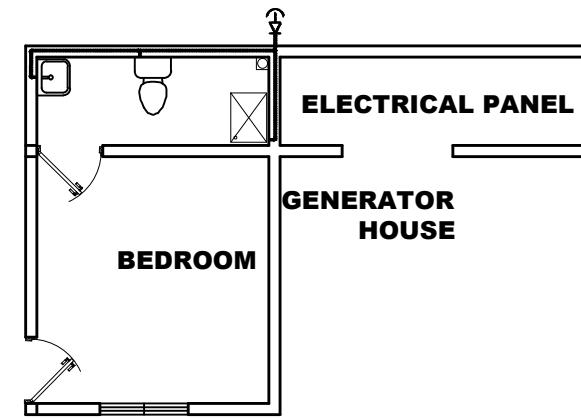
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WASTE DRAINAGE LINE DIAGRAM

DRAWING SCALE:  
N.T.S.

DRAWINNG NO:  
M15



**BOYS QUARTERS**



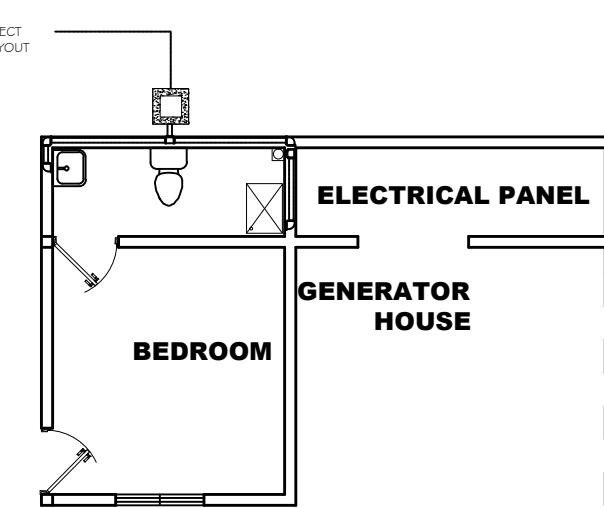
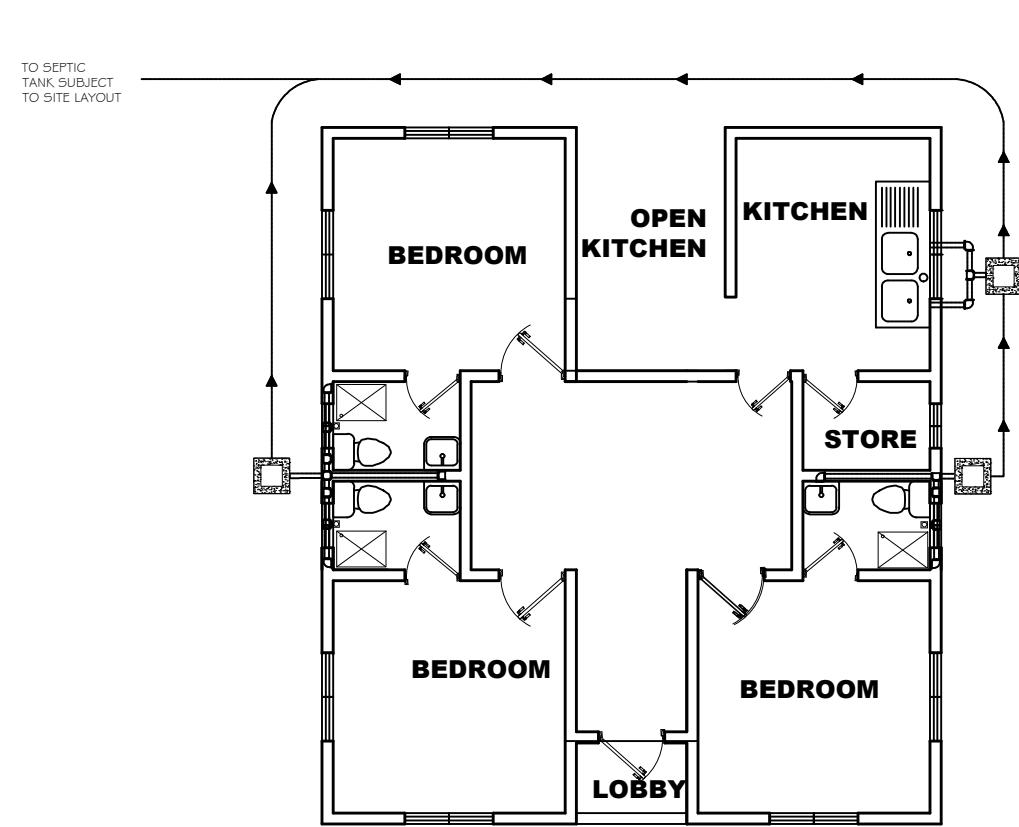
**GATE HOUSE/  
SERVICE BUILDING**

**SEAL**

PROJECT TITLE  
PROPOSED 6 B/ROOM DUPLEX  
CLIENT  
MRS. ASIMMA E. OKON  
LOCATION  
AKWA IBOM

ARCHITECT  
FASEMI A.  
DRAWN BY  
IWEIBO S.E.  
CHECKED BY  
APPROVED BY  
DATE  
AUGUST, 2022.

DRAWING TITLE:  
WATER SUPPLY PLAN  
DRAWING SCALE:  
N.T.S.  
DRAWINNG NO:  
M16



**GATE HOUSE/  
SERVICE BUILDING**

**BOYS QUARTERS**

**SEAL**

PROJECT TITLE  
PROPOSED 6 B/ROOM DUPLEX  
CLIENT  
MRS. ASIMMA E. OKON  
LOCATION  
AKWA IBOM

ARCHITECT  
FASEMI A.  
DRAWN BY  
IWEIBO S.E  
CHECKED BY  
APPROVED BY  
DATE  
AUGUST, 2022.

DRAWING TITLE:  
WASTE EXTRACT PLAN  
DRAWING SCALE:  
N.T.S.  
DRAWINNG NO:  
M17

S/NO.	SANITARY APPLIANCES	NO. OF APPLIANCES	LOADING UNITS (L)	STORAGE (L)
1	Water closet (WC)	7	180	1260
2	Wash hand basin(WHB)	8	170	1360
3	Bath Tub	1	200	200
4	Shower	4	200	800
5	Kitchen Sink	1	200	200
6	Heater	8	180	1440
TOTAL				5260
ADD 40% FOR FIRE FIGHTING, SWIMMING POOL & EXTERNAL WATER USE				2104
& FUTURE EXPANSION				2000
TANKS SIZE PER DAY				9364

S/NO.	SANITARY APPLIANCES	NO. OF APPLIANCES	LOADING UNITS (L)	STORAGE (L)
1	Water closet (WC)	4	180	720
2	Wash hand basin(WHB)	4	170	680
3	Shower	4	200	800
4	Kitchen Sink	1	200	200
TOTAL				2400
ADD 30% FOR EXTERNAL WATER USE				720
& FUTURE EXPANSION				2000
TANKS SIZE PER DAY				5120

BUILDING WATER DEMAND (MAIN  
BUILDING, BOY'S QUARTERS AND  
GEN HOUSE)

TANK SIZE

14484 ≈ 15000 LITERS

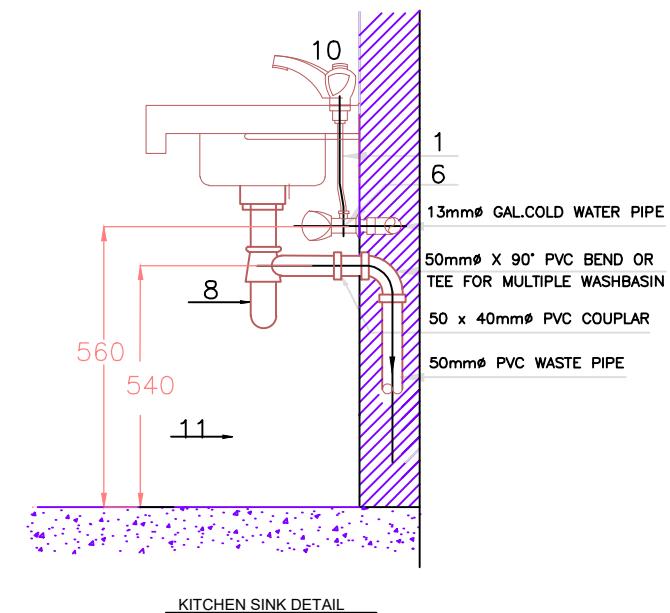
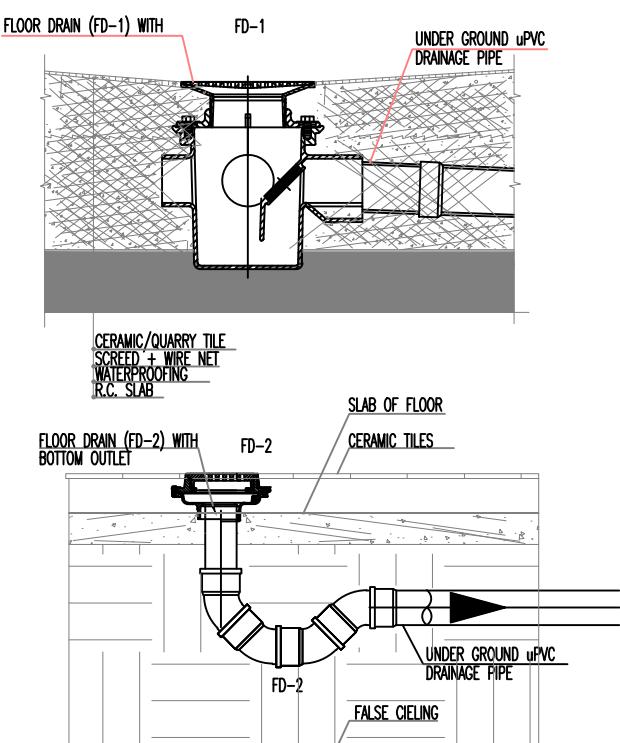
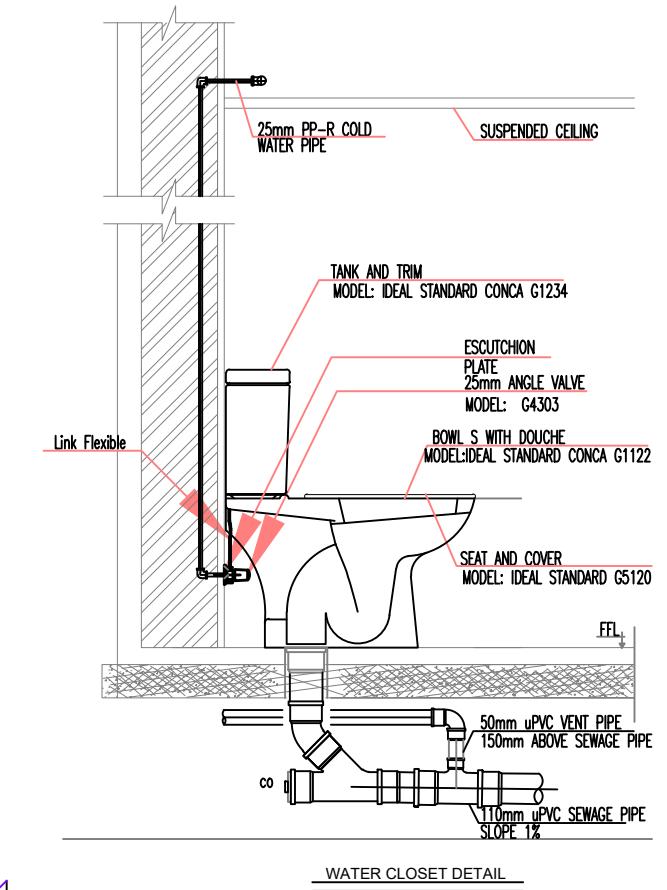
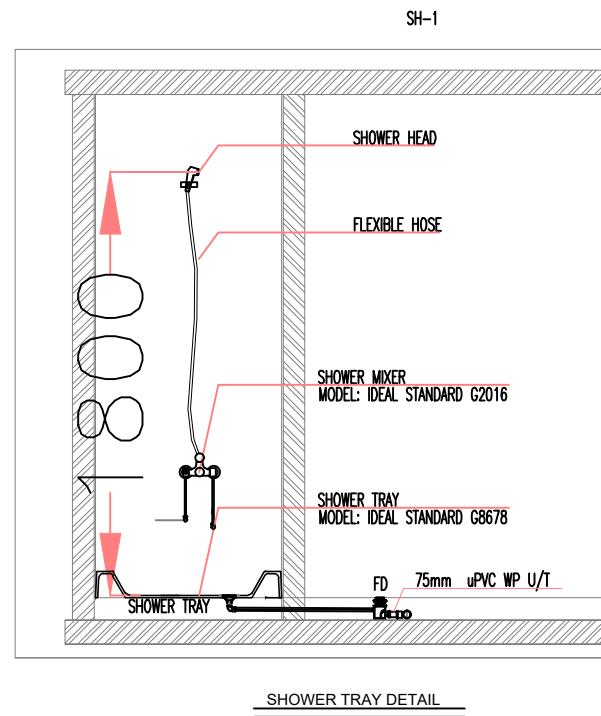
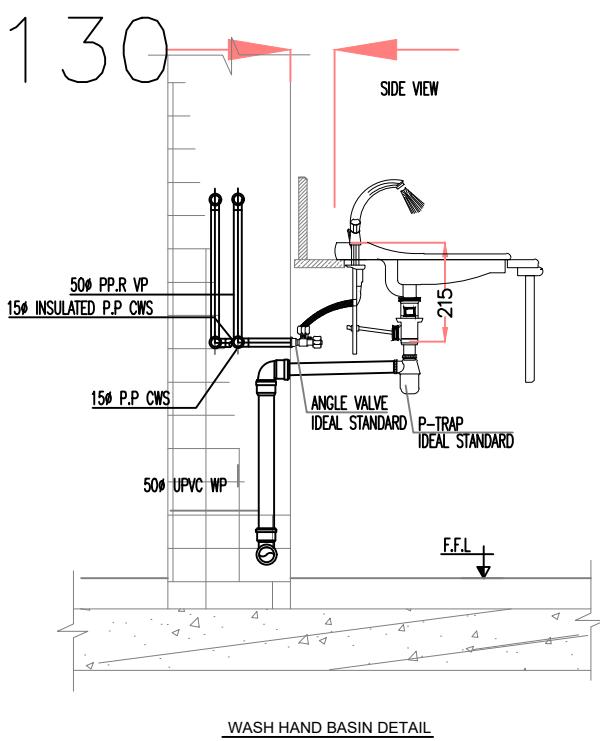
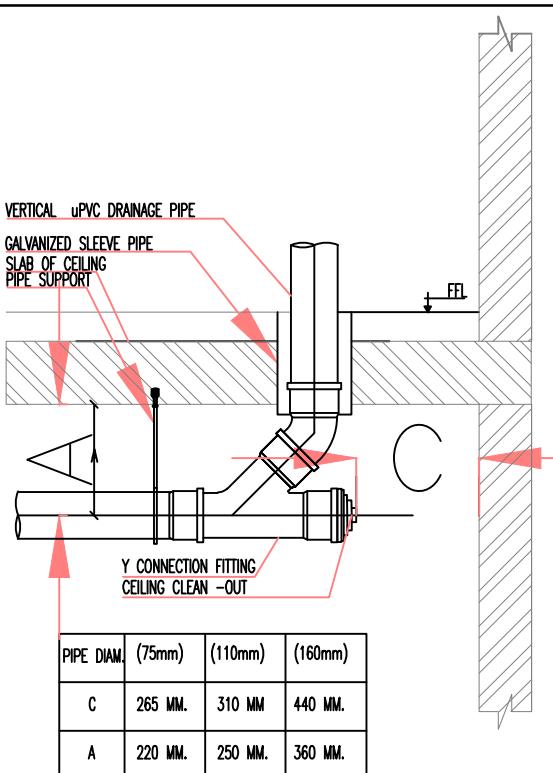
6 SET OF 2500LITRES PLASTIC STORAGE TANK

SEAL

PROJECT TITLE  
PROPOSED 6 B/ROOM DUPLEX  
CLIENT  
MRS. ASIMMA E. OKON  
LOCATION  
AKWA IBOM

ARCHITECT  
FASEMI A.  
DRAWN BY  
IWEIBO S.E.  
CHECKED BY  
APPROVED BY  
DATE  
AUGUST, 2022.

DRAWING TITLE:  
WATER DEMAND SCHEDULE  
DRAWING SCALE:  
N.T.S.  
DRAWINNG NO:  
M18

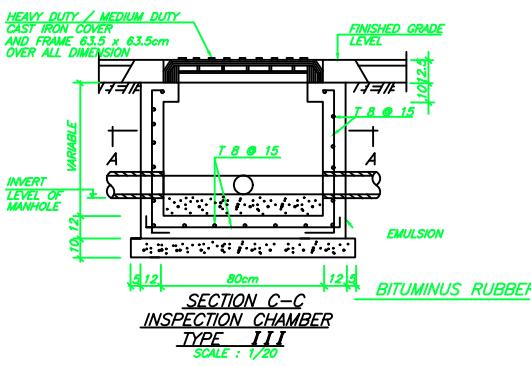
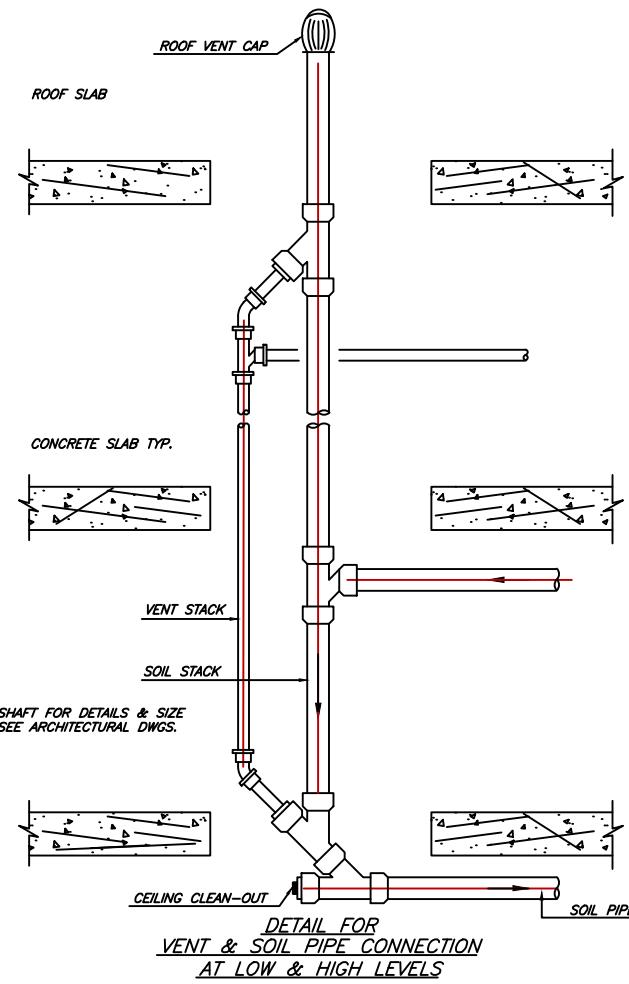


SEAL

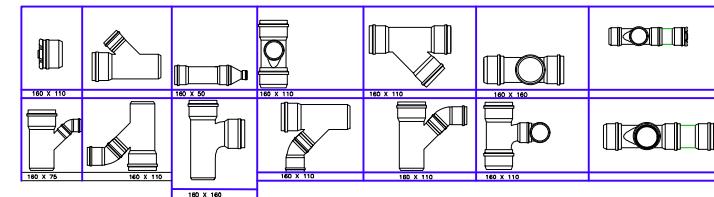
PROJECT TITLE  
PROPOSED 6 B/ROOM DUPLEX  
CLIENT  
MRS. ASIMMA E. OKON  
LOCATION  
AKWA IBOM

ARCHITECT  
FASEMI A.  
DRAWN BY  
IWEIBO S.E  
CHECKED BY  
APPROVED BY  
DATE  
AUGUST, 2022.

DRAWING TITLE:  
INSTALLATION DETAILS  
DRAWING SCALE:  
N.T.S.  
DRAWINNG NO:  
M19



drainage pipe fittings

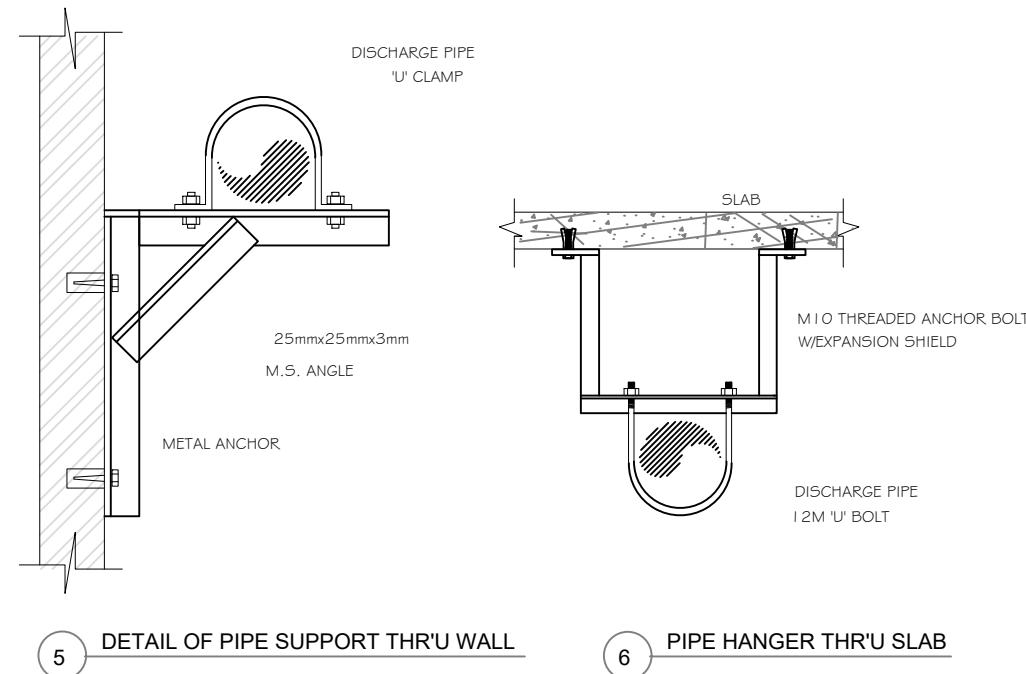
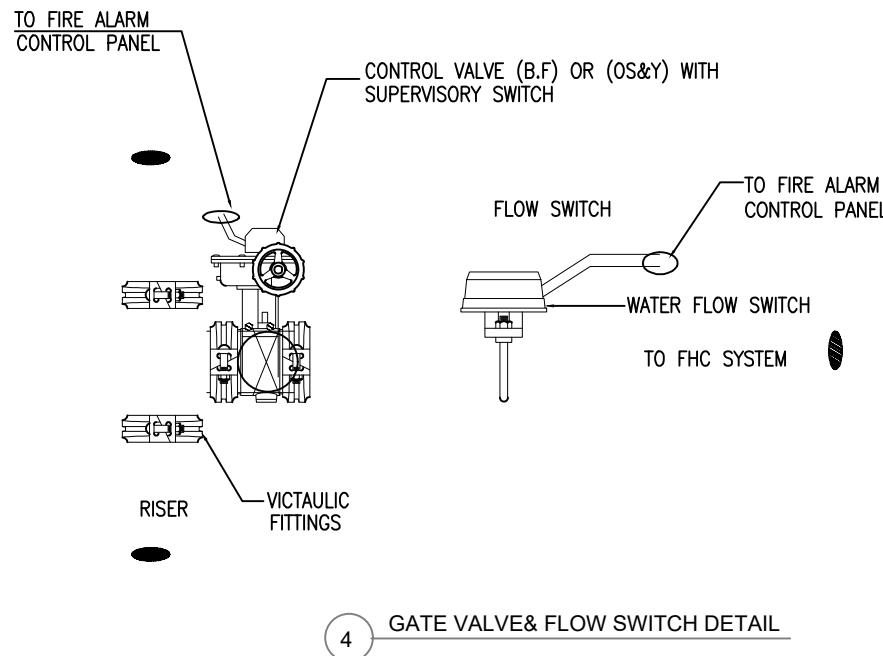
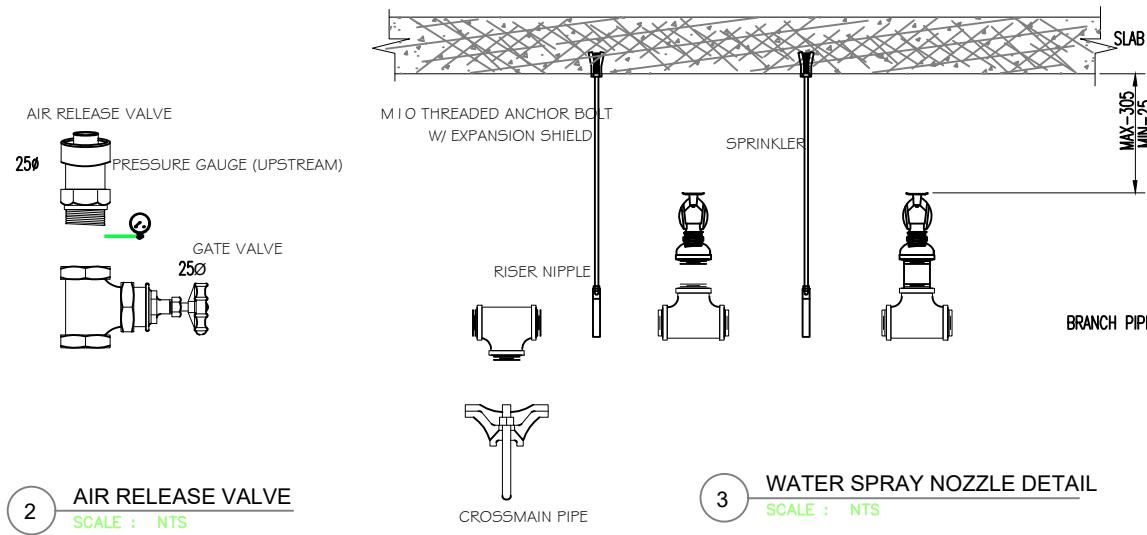
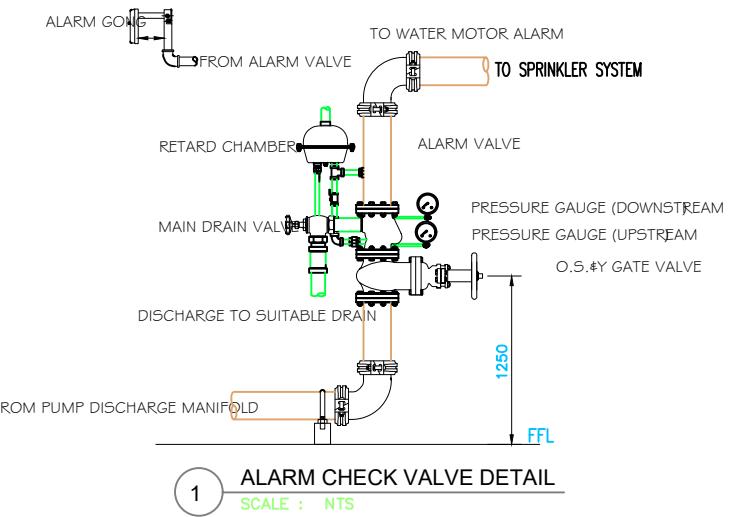


SEAL

PROJECT TITLE  
PROPOSED 6 B/ROOM DUPLEX  
CLIENT  
MRS. ASIMMA E. OKON  
LOCATION  
AKWA IBOM

ARCHITECT  
FASEMI A.  
DRAWN BY  
IWEIBO S.E.  
CHECKED BY  
APPROVED BY  
DATE  
AUGUST, 2022.

DRAWING TITLE:  
INSTALLATION DETAILS  
DRAWING SCALE:  
N.T.S. M20  
DRAWINNG NO:

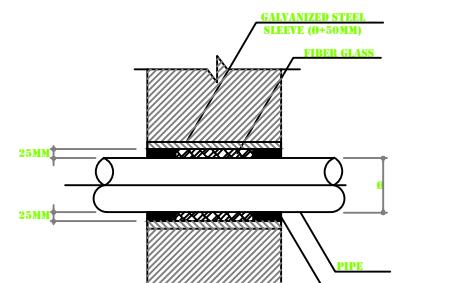


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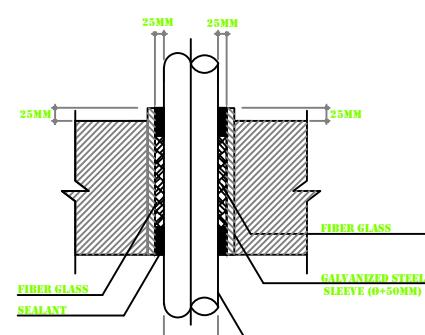
PROJECT TITLE  
PROPOSED 6 B/ROOM DUPLEX  
CLIENT  
MRS. ASIMMA E. OKON  
LOCATION  
AKWA IBOM

ARCHITECT  
FASEMI A.  
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IWEIBO S.E  
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DATE  
AUGUST, 2022.

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INSTALLATION DETAILS  
DRAWING SCALE:  
N.T.S.  
DRAWINNG NO:  
M21

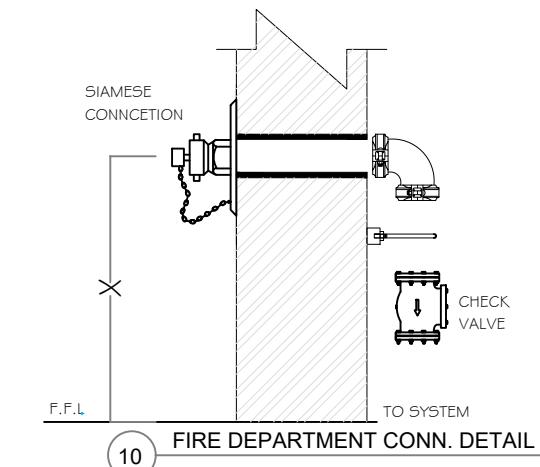
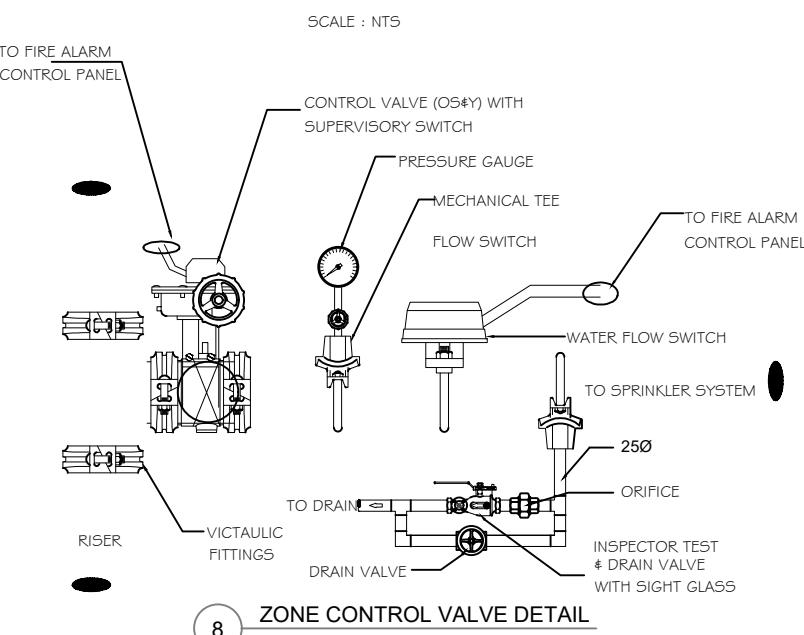


PIPE SLEEVE THROUGH WALL

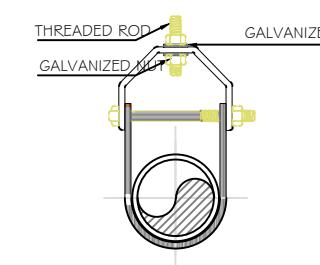


PIPE SLEEVE THROUGH SLAB

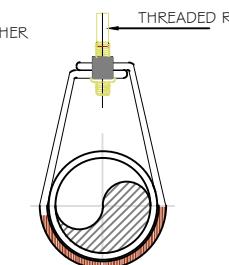
7 PIPE SLEEVE DETAIL



CLEVIS HANGER



SWIVEL HANGER



DISTANCE BETWEEN ALL HANGERS

NOMINAL PIPE SIZE (mm)	MAX SPAN (M)	HANGER ROD SIZE (mm)
25 – 32 mm	1.8 – 2.0	10
40 mm	2.0	10
50 mm	2.5	10
65 mm	3.3	12

9 DETAIL OF PIPE SUPPORT

SEAL

PROJECT TITLE  
PROPOSED 6 B/ROOM DUPLEX

ARCHITECT  
FASEMI A.

DRAWING TITLE:  
INSTALLATION DETAILS

DRAWN BY  
IWEIBO S.E

DRAWING SCALE:  
N.T.S.

CLIENT  
MRS. ASIMMA E. OKON

CHECKED BY

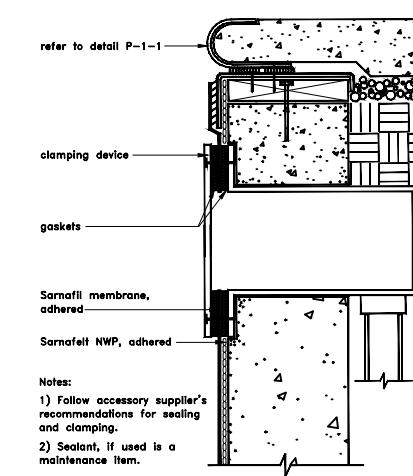
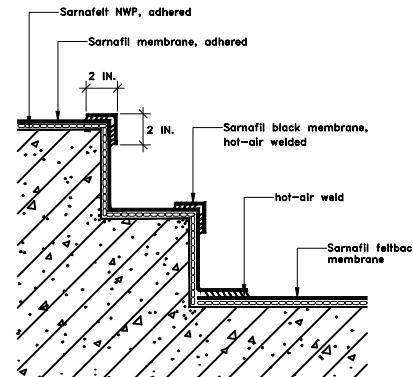
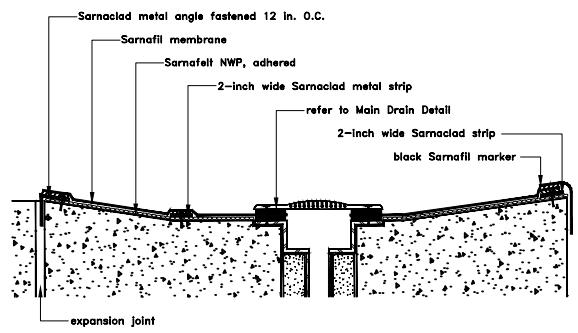
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LOCATION  
AKWA IBOM

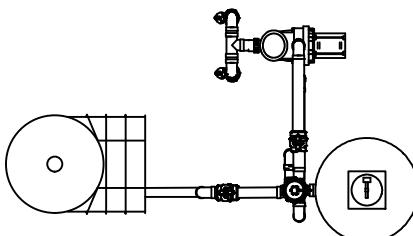
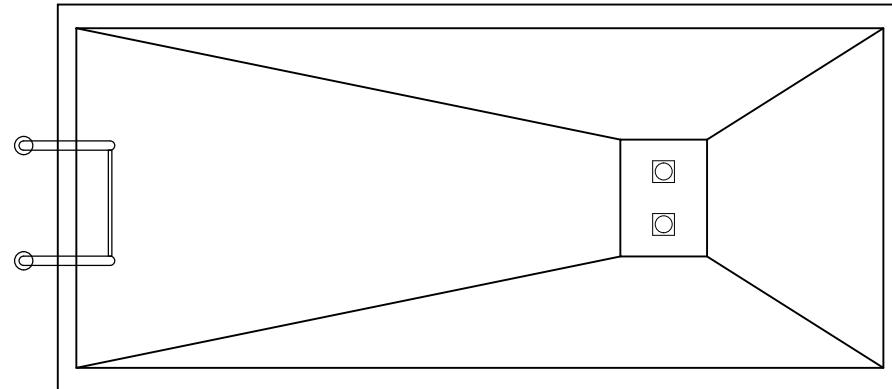
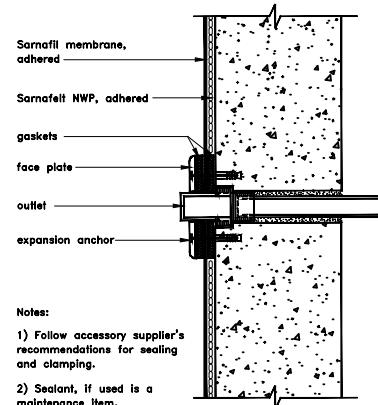
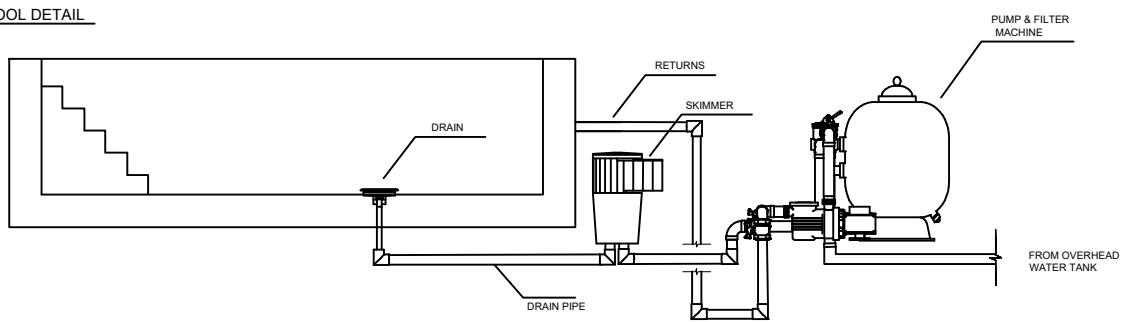
APPROVED BY

M22

DATE  
AUGUST, 2022.



SWIMMING POOL DETAIL



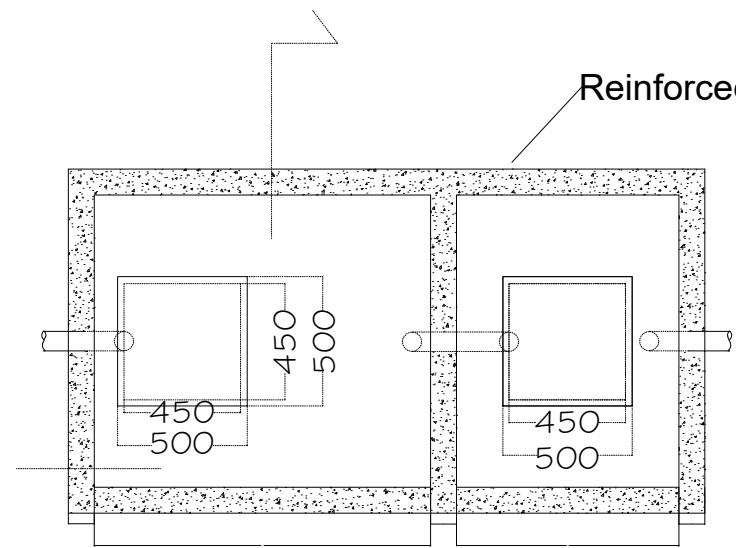
SWIMMING POOL PLAN

**SEAL**

PROJECT TITLE  
PROPOSED 6 B/ROOM DUPLEX  
CLIENT  
MRS. ASIMMA E. OKON  
LOCATION  
AKWA IBOM

ARCHITECT  
FASEMI A.  
DRAWN BY  
IWEIBO S.E  
CHECKED BY  
APPROVED BY  
DATE  
AUGUST, 2022.

DRAWING TITLE:  
SWIMMING POOL DETAILS  
DRAWING SCALE:  
N.T.S.  
DRAWINNG NO:  
M23



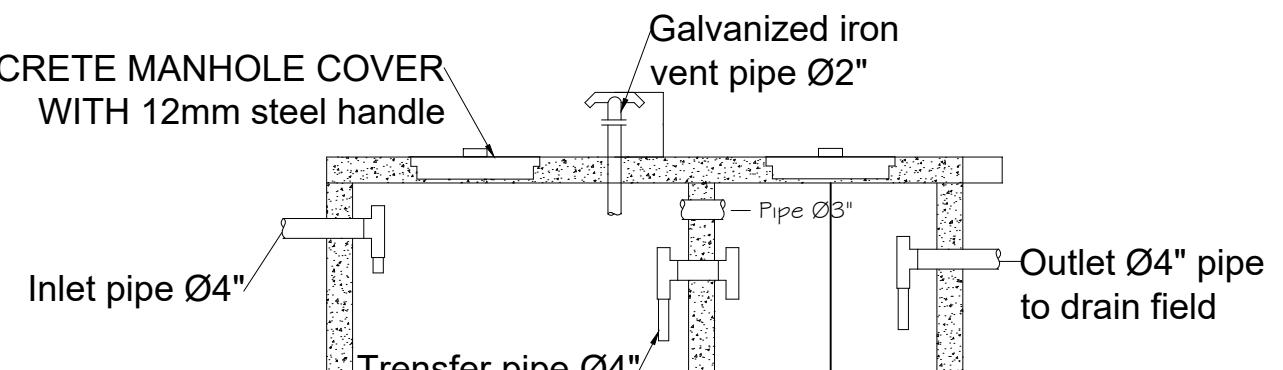
PLAN OF SEPTIC TANK

SEPTIC TANK CALCULATIONS	
NO. OF LITRES PER HEAD PER 24 HR USAGE	360 LITRES
NO. OF OCCUPANTS	20 USERS
LIQUID DEPTH	2700mm <=> 2.7m
FLOOR AREA (COMPARTMENT 1)	5.31sqm
LENGTH (COMPARTMENT 1)	3.26m
BREATH (COMPARTMENT 1)	1.63m
FLOOR AREA (COMPARTMENT 2)	2.66sqm
LENGTH (COMPARTMENT 2)	1.63m
BREATH (COMPARTMENT 2)	1.63m

\*NO OF USERS ASSUMED TO BE 20. FIGURE IS SUSCEPTIBLE TO CHANGE.

\*CLEANING OF SEPTIC TANK SHOULD DONE EVERY 6 YEARS.

CONCRETE MANHOLE COVER WITH 12mm steel handle



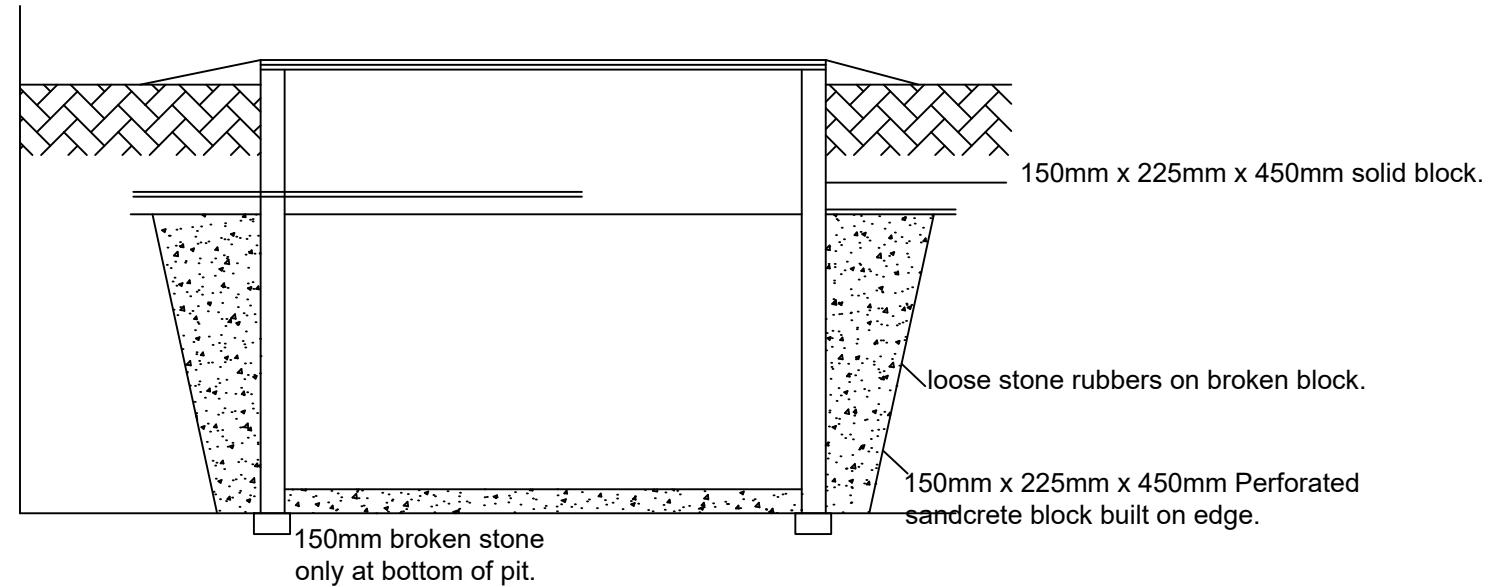
Section A-A

SEAL

PROJECT TITLE  
PROPOSED 6 B/ROOM DUPLEX  
CLIENT MRS. ASIMMA E. OKON  
LOCATION AKWA IBOM

ARCHITECT FASEMI A.  
DRAWN BY IWEIBO S.E.  
CHECKED BY  
APPROVED BY  
DATE AUGUST, 2022.

DRAWING TITLE:  
SEPTIC TANK DETAILS  
DRAWING SCALE:  
N.T.S. M24  
DRAWINNG NO:



SECTION OF SOAKAWAY PIT

**SEAL**

PROJECT TITLE PROPOSED 6 B/ROOM DUPLEX	ARCHITECT FASEMI A.	DRAWING TITLE: SOAK AWAY PIT
	DRAWN BY IWEIBO S.E	
CLIENT MRS. ASIMMA E. OKON	CHECKED BY APPROVED BY	DRAWING SCALE: N.T.S.
LOCATION AKWA IBOM	DATE AUGUST, 2022.	DRAWINNG NO: M25