# CONSTRUCTION OF PHARMACY FOR MSF WACA WAREHOUSE AT KUBWA ABUJA, NIGERIA.

ISHA'AL & ZAIFAT NIG LTD

December, 2022.

#### NOTES

- 1. All dimensions are in millimetres (mm)
- 2. All figured dimensions are to be read as written and not scaled.
- 3. This drawing should be read in conjuction with all other drawings supplied for the execution of the works descibed in these drawings.
- 4. Whenever in doubt conerning any works to be carried out as described by tis drawing, ask for clarification from the Structural Engineer.
- 5. This design is the property of the Structural Engr. and may not be used, copied or reproduced wholly or in part without the express permission of the architect.

  Infringement in any way may result in legal action.

No. Des	cription Date	

#### **CLIENT:**

MSF WACA ABUJA.

#### PROJECT NAME:

Construction of Pharmacy for WACA Warehouse at Kubwa Abuja Nigeria.

#### CONSULTANT:

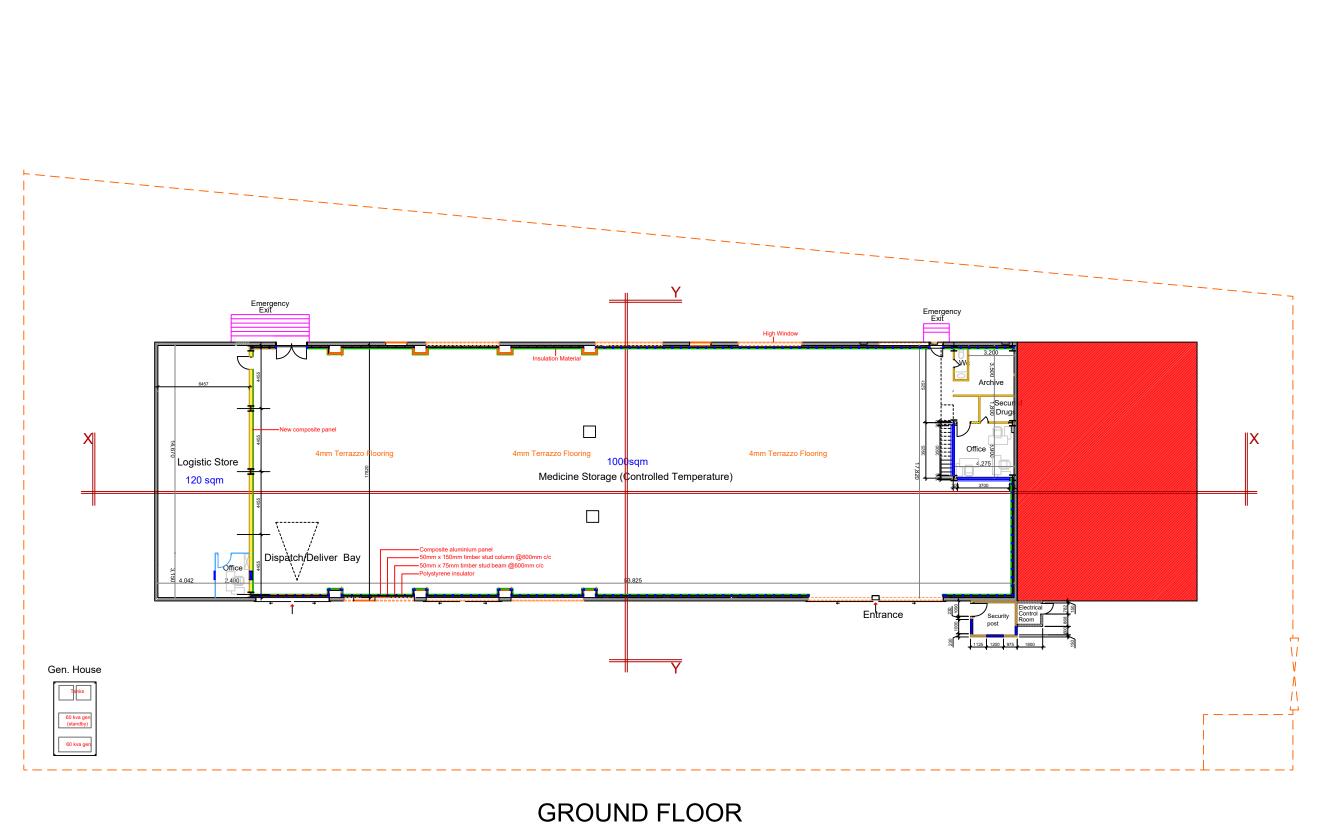
ISHA'AL & ZAIFAT NIG. LTD. Plot MF114, Onnex 07-05 Kubwa expressway, Abuja.

> STRUCTURAL DESIGN DRAWINGS

#### SHEET NAME:

COVER PAGE

Project number	
Date	DEC 2022
Design	ENGR. SADIQ A. B.
Checked	ENGR. IMAM UMAR
Scale	



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No. Des	cription Date		

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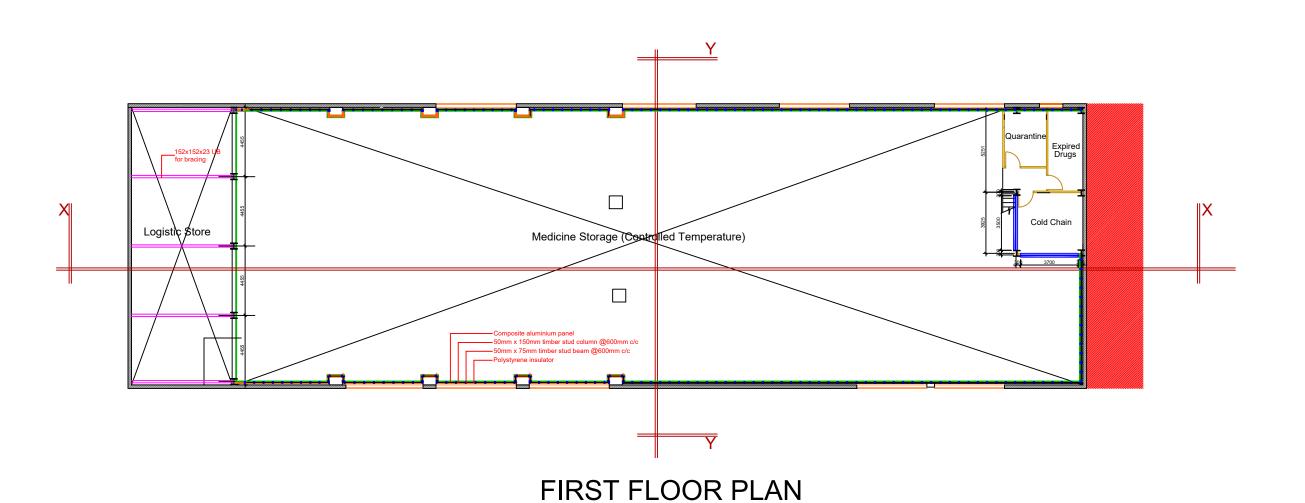
CONSULTANT: ISHA'AL & ZAIFAT NIG. LTD. Plot MF114, Onnex 07-05 Kubwa expressway, Abuja.

STRUCTURAL DESIGN DRAWINGS

### SHEET NAME:

FLOOR PLAN

Project number	
Date	DEC 2022
Design	ENGR. SADIQ A. B.
Checked	ENGR. IMAM UMAR
Scale	1 · 200



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No. Des <mark>cription Date</mark>		

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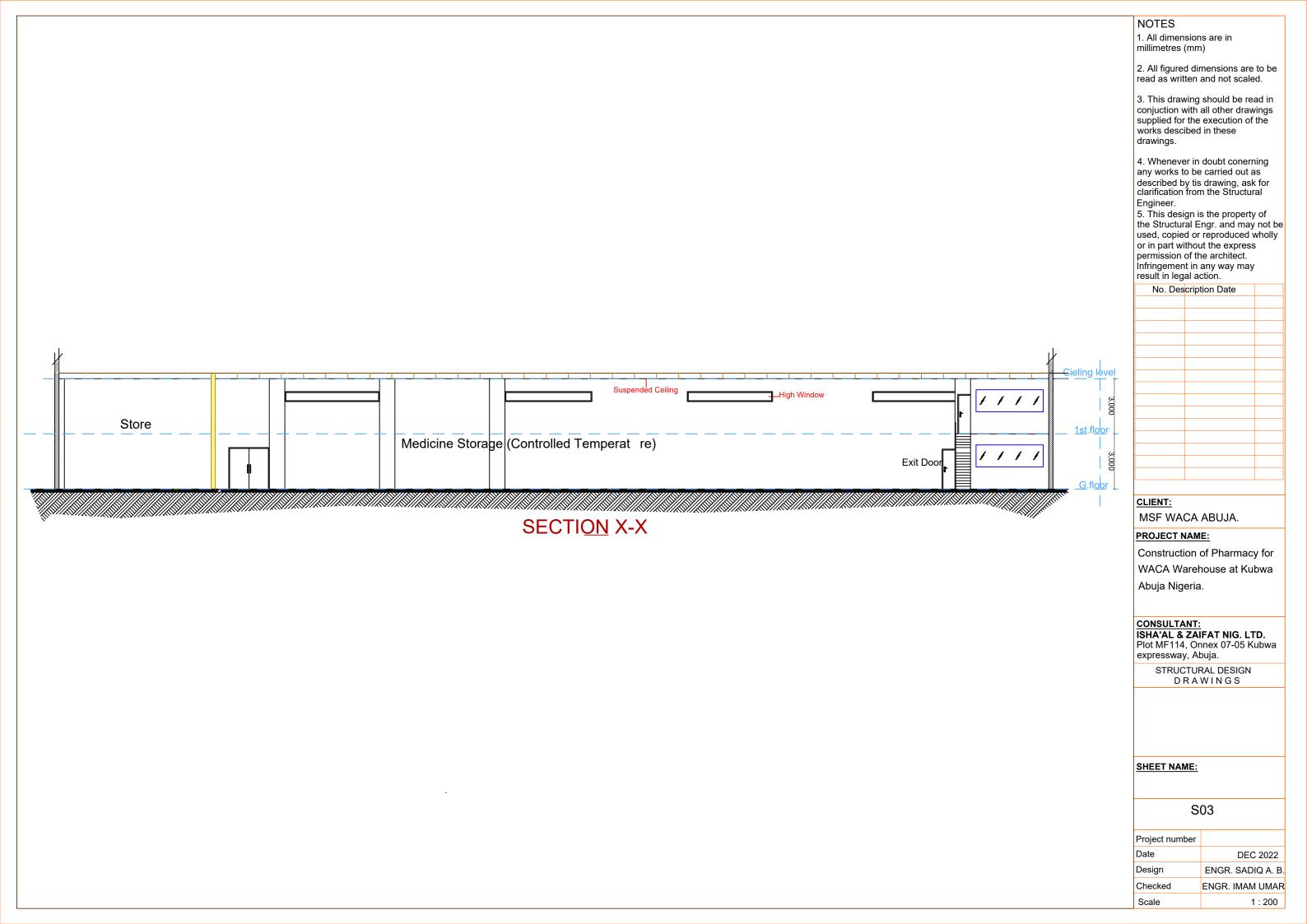
CONSULTANT: ISHA'AL & ZAIFAT NIG. LTD. Plot MF114, Onnex 07-05 Kubwa expressway, Abuja.

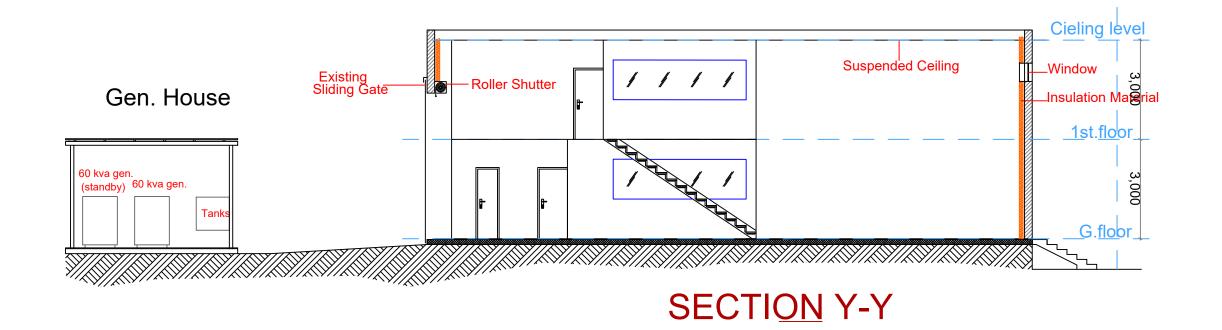
STRUCTURAL DESIGN DRAWINGS

#### **SHEET NAME:**

FLOOR PLAN

Project number	
Date	DEC 2022
Design	ENGR. SADIQ A. B
Checked	ENGR. IMAM UMAF
Scale	1 : 200





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#### PROJECT NAME:

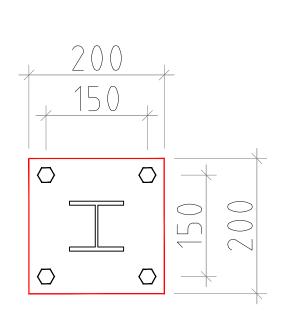
Construction of Pharmacy for WACA Warehouse at Kubwa Abuja Nigeria.

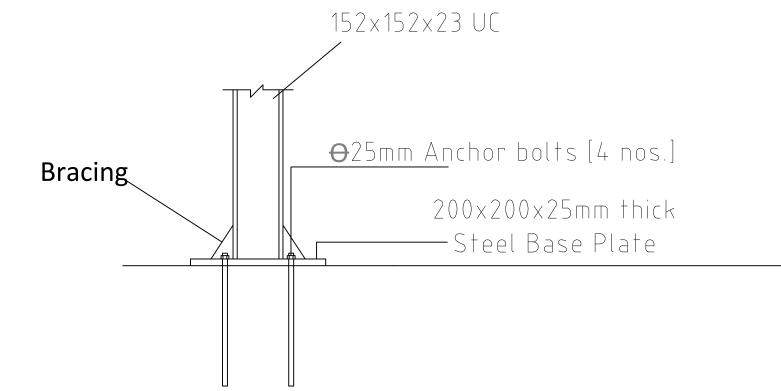
CONSULTANT: ISHA'AL & ZAIFAT NIG. LTD. Plot MF114, Onnex 07-05 Kubwa expressway, Abuja.

STRUCTURAL DESIGN DRAWINGS

#### SHEET NAME:

Project number	
Date	DEC 2022
Design	ENGR. SADIQ A. B.
Checked	ENGR. IMAM UMAR
Scale	1 : 200





PLAN

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#### PROJECT NAME:

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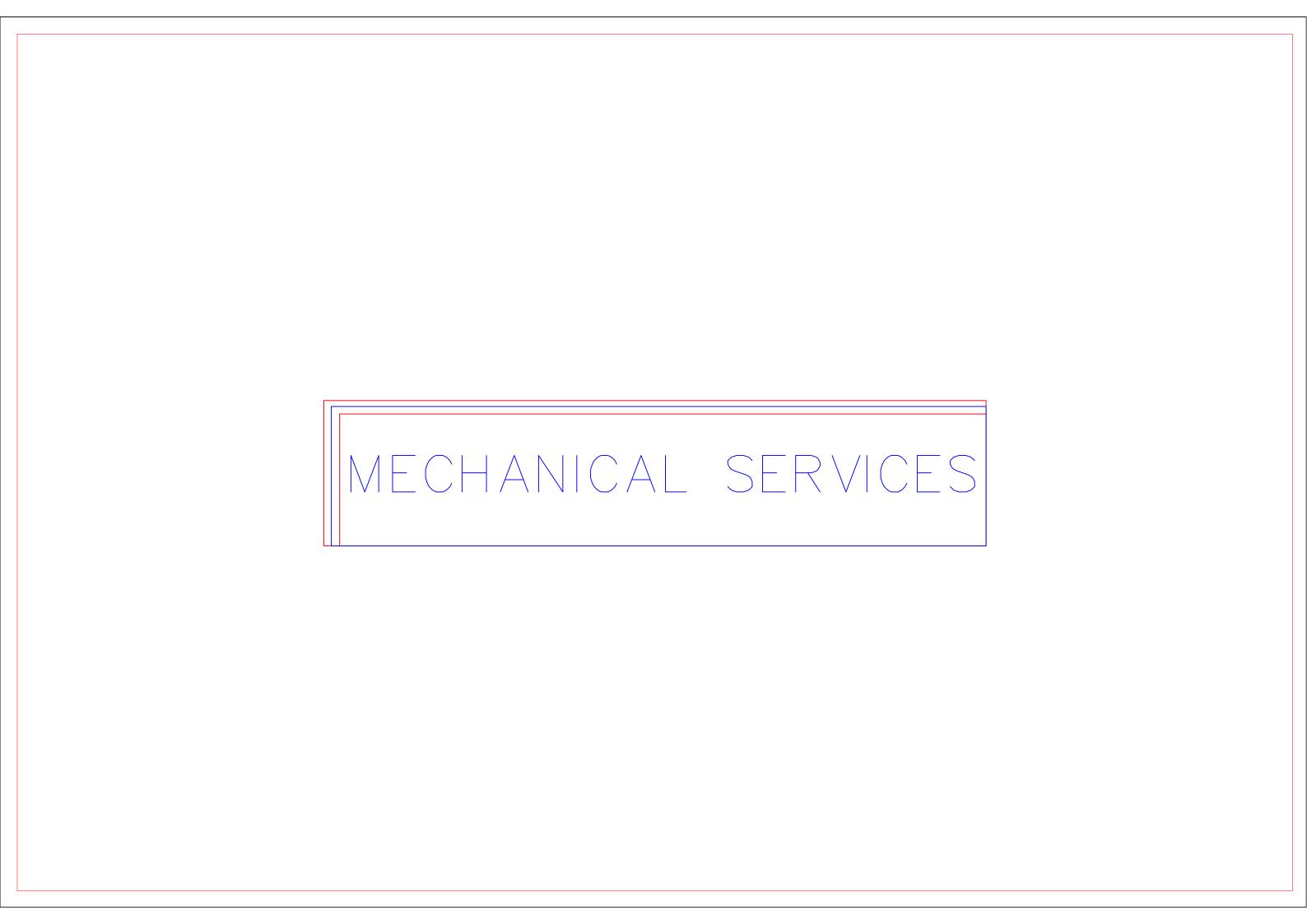
CONSULTANT:
ISHA'AL & ZAIFAT NIG. LTD.
Plot MF114, Onnex 07-05 Kubwa expressway, Abuja.

STRUCTURAL DESIGN DRAWINGS

#### SHEET NAME:

UC COLUMN DETAILS

Project number	
Date	DEC 2022
Design	ENGR. SADIQ A. B.
Checked	ENGR. IMAM UMAR
Scale	NTS



## MECHANICAL LEGEND

SYMBOL	DISCRIPTION
	WALL MOUNTED SPLIT UNIT AIR CONDITIONER POWER INPUT VALUE 12,000 Btu/h =760W
<ul><li>→ FE-1</li><li>→ FE-2</li></ul>	9KG FE-ABC, DRY CHEMICAL POWDER MULTIPURPOSE FIRE EXTINGUISHER 5KG FE-CO2, DRY CHEMICAL POWDER
	WALL MOUNT FIRE HOSE REEL (FHR)
	PILLAR FIRE HYDRANT HEAD
	CEILING MOUNT XPELAIR UNIT
<u> </u>	WALL MOUNT XPELAIR UNIT CAPACIYT; 1,000btu/hr AIR FLOW RATE; 50m3/min
<u>∞</u> ΣM	WATER METER
	INSPECTION CHAMBER (450MM X 4500)
	MAN HOLE (650MM X 650MM)
	SOAK AWAY & SEPTIC TANK
	WATER HEATER
	WATER BOOSTER PUMP SET

SYMBOL	DISCRIPTION		
	DESCRIPTION	WATER PIPE Ø	WASTE PIPE Ø
	WATER CLOSET	13mm	100mm
0	WASH BASIN	13mm	50mm
	FLOOR DRAIN (FD)	•••••	50mm
	SINK	13mm	50mm
	SHOWER TRAY	13mm	50mm
	BATH TUB	13mm	50mm

SYMBOL	DISCRIPTION
	SOIL & WASTE WATER PIPE (SWP)
	COLD WATER SUPPLY PIPE (CWP)
	HOT WATER SUPPLY PIPE (HWP)
	COOKING GAS PIPE (GP)
	FIRE HYDRANT/HOSE REEL PIPE (FHP)
F/A	FROM ABOVE
F/B	FROM BELOW
T/A	TO ABOVE
T/B	TO BELOW
$\bowtie$	VALVE
DN Ø	DIAMETER IN mm
AC	POWER INPUT VALUE 12,000 Btu-1HP
	POWER INPUT VALUE 18,000 Btu-2HP
	POWER INPUT VALUE 60,000 Btu-10HP

#### **GENERAL NOTES**

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#### LEGEND

FA - From Above

TA - To Above

FB - From Below

TB - To Below

LL - Low Level

REVIDATE DESCRIPTION MDE CKD APP DRAWING TITLE:

MECHANICAL SERVICES

JOB TITLE
PROPOSE WARE HOUSE DEVELOPMENT
PLOT NO. MF114, CAD ZONE 07-05,
ONNEX KUBWA
FCT. ABUJA.

Client

MSF WACA

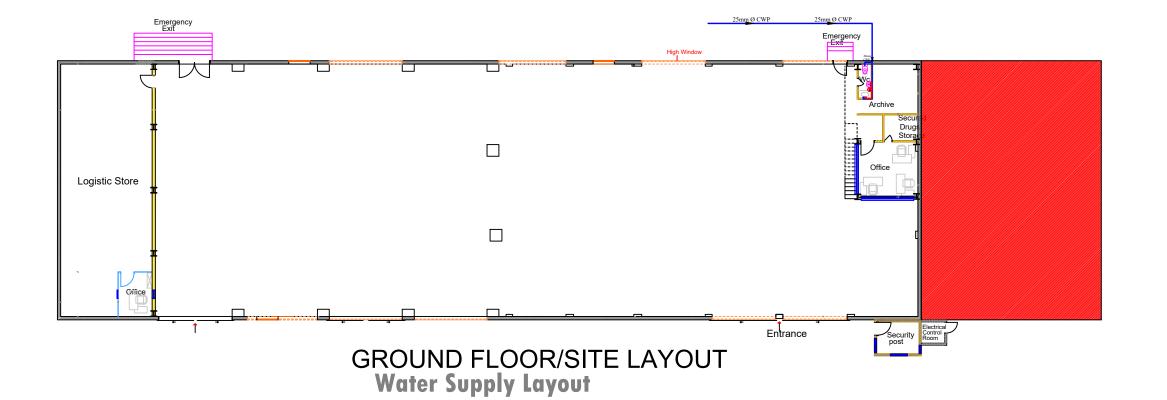
Architects:

TEL:

Consulting Engineers;

Isha'al & Zaifat Nig. Ltd.

Made	ABC	Drawn CYFAR
Checked	BOLADE	Scale NTS
Approved		Date NOV.2022
Drawing Nu M——1	mber	Rev.



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REVIDATE DESCRIPTION
DRAWING TITLE: MDE CKD APP

MECHANICAL SERVICES

Job Title
PROPOSE WARE HOUSE DEVELOPMENT PLOT NO. MF114, CAD ZONE 07-05, ONNEX KUBWA FCT. ABUJA.

MSF WACA

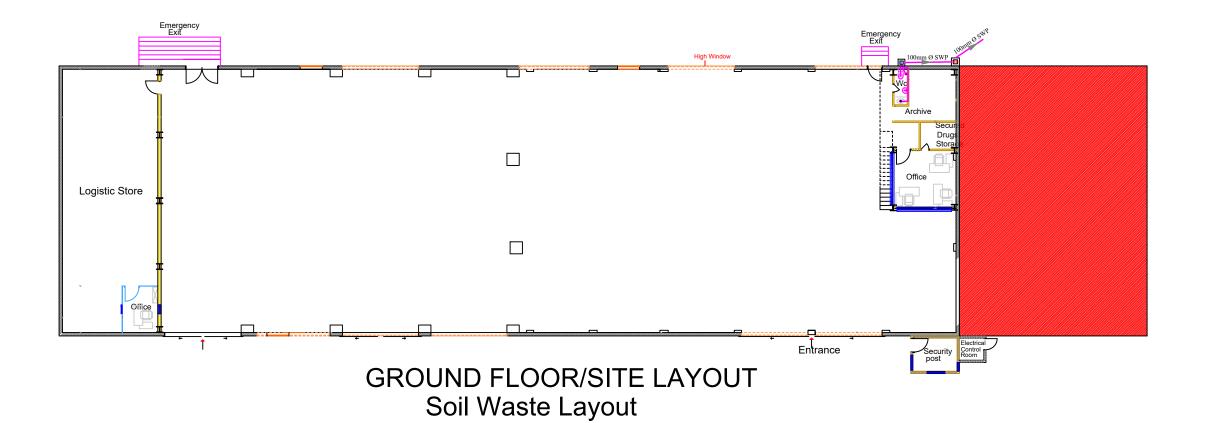
Architects:

TEL:

Consulting Engineers;

lsha'al & Zaifat Nig. Ltd.

Made	ABC	Drawn CYFAR	
Checked	BOLADE	Scale NTS	
Approved		Date NOV.20	22
Drawing Nu	mber	Re	v.



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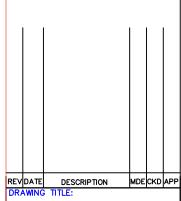
FA - From Above

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MECHANICAL SERVICES

Job Title PROPOSE WARE HOUSE DEVELOPMENT PLOT NO. MF114, CAD ZONE 07-05, ONNEX KUBWA FCT. ABUJA.

MSF WACA

Architects:

Consulting Engineers;

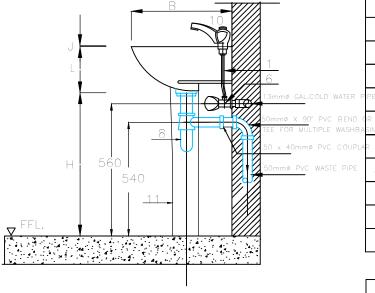
lsha'al & Zaifat Nig. Ltd.

Made	ABC	Drawn	CYF	FAR
Checked	BOLADE	Scale	NTS	6
Approved		Date	NOV	/.2022
Drawing Nu	mber			Rev.
M3				



TYPICAL WASH HAND

BASIN DETAIL

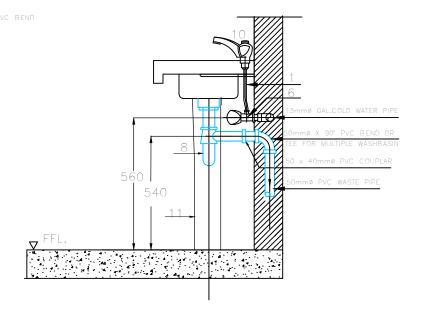


#### INSTALLATION ASSECCORIES

S/No.	DESCRIPTION	QTY.
1.	13mmø FLEXIBLE HOSE	1
2.	13mmø GAL. SOCKET	1
3.	13mmø x 90° BEND	1
4.	13mmø GAL. NIPPLE	1
PPE 6.	13mmø ISOVALVE SERVICING VALVE	1
OR 7.	19 x 13mmø REDUCING TEE	1
4R 8.	32mmø PLASTIC BOTTLE 'P' TRAP	1
8a.	32mmø 'P' TRAP	1
9.	TIFFANY WASHBASIN IN VITEROUS CHINA	1
10.	13mmø MILLENIA PILLAR TAP/mixer	1
11.	TIFFANY PEDESTAL WITH KUPLA FITMENT	1

А	В	С	D	Е	F	G	Н	J	L
505	410	395	270	200	75	170	645	20	205

### TYPICAL BELFAST SINK DETAIL



#### INSTALLATION ASSECCORIES

S/No.	DESC RIPTION	QTY.
1.	13mmø FLEXIBLE HOSE	1
2.	13mmø GAL. SOCKET	1
3.	13mmø x 90° BEND	1
4.	13mmø GAL. NIPPLE	1
6.	13mmø ISOVALVE SERVICING VALVE	1
7.	19 x 13mmø REDUCING TEE	1
8.	32mmø PLASTIC BOTTLE 'P' TRAP	1
8a.	32mmø 'P' TRAP	1
9.	KITCHEN SINK	1
10.	13mmø MILLENIA PILLAR TAP/mixer	1
11.	TIFFANY PEDESTAL WITH KUPLA FITMENT	1

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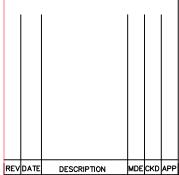
FA - From Above

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FB - From Below

TB - To Below

LL - Low Level



MECHANICAL SERVICES

Job Title PROPOSE WARE HOUSE DEVELOPMENT PLOT NO. MF114, CAD ZONE 07-05, ONNEX KUBWA FCT. ABUJA.

MSF WACA

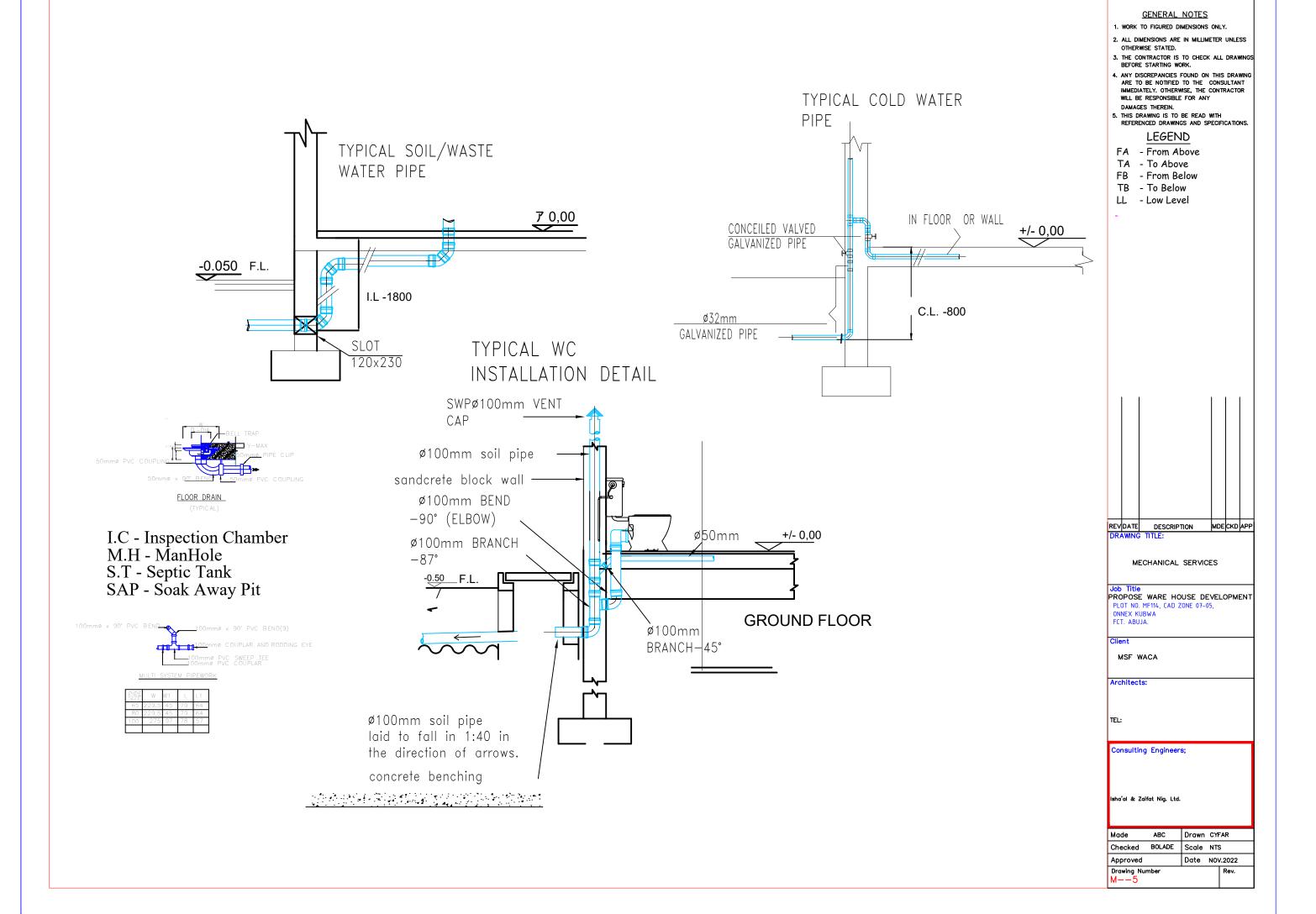
Architects:

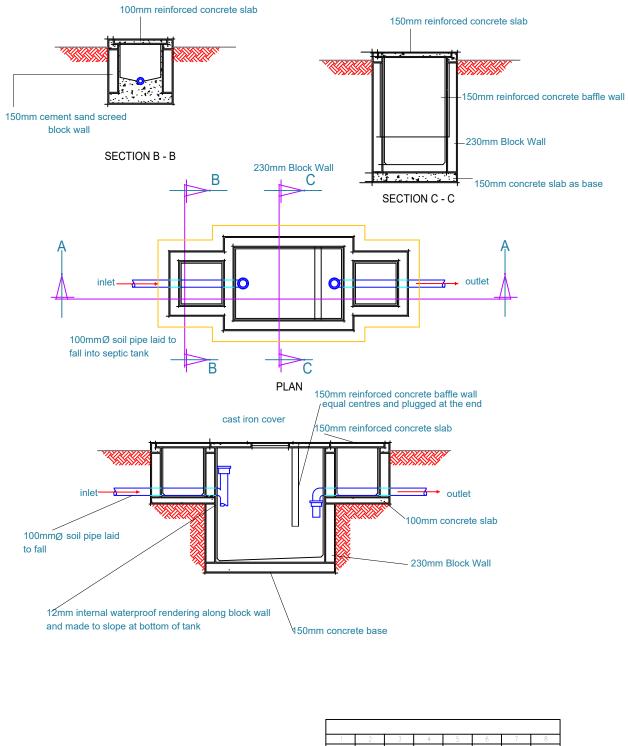
TEL:

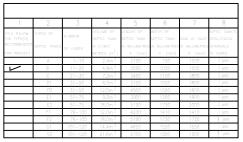
Consulting Engineers;

Isha'al & Zaifat Nig. Ltd.

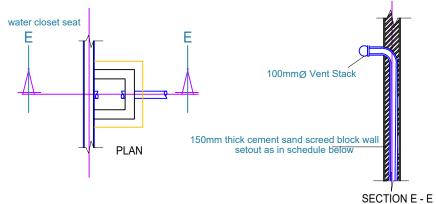
Made	ABC	Drawn CYFAR
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Approved		Date NOV.2022
Drawing Nu	mber	Rev.



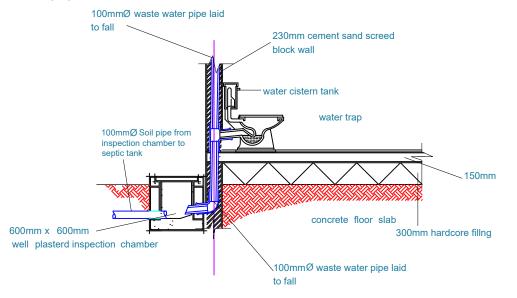




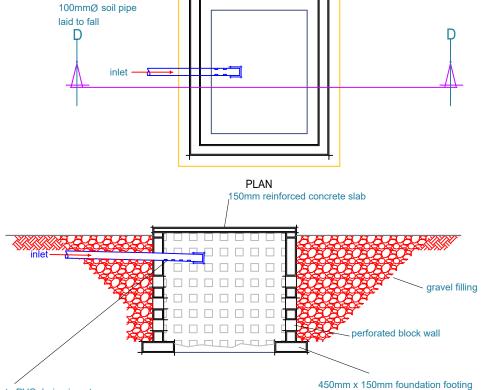
(RECOMMENDED SIZE & CAPACITY OF SOAKAWAY SHOULD BE AS PAR BUILDING TYPE)



#### SECTION D - D



#### WATER CLOSET DETAIL



Ref.BS EN 752

saw cut uPVC drain pipe at

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REV DATE DESCRIPTION MDE CKD APP

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Client

MSF WACA

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Made ABC Drawn CYFAR

Checked BOLADE Scale NTS

Approved Date NOV.2022

Drawing Number Rev.