

PLUMBING NOTES

1. ALL PLUMBING WORKS INCLUDED HEREIN SHALL BE EXECUTED IN ACCORDANCE WITH THE PROVISIONS OF THE PHILIPPINE PLUMBING CODE, THE NATIONAL BUILDING CODE AND THE RULES AND REGULATIONS OF THE LOCALITY.
2. COORDINATE THE DRAWINGS WITH OTHER RELATED DRAWING SPECIFICATIONS THE ENGINEER AND OR ARCHITECT SHALL BE NOTIFIED IMMEDIATELY OF ANY OTHER DISCREPANCIES FOUND HEREIN.
3. ALL PIPES SHALL BE INSTALLED AS INDICATED ANY RELOCATION REQUIRED FOR PROPER EXECUTION OF PLUMBING WORKS SHALL BE WITH PROPER APPROVAL FROM THE ENGINEER AND OR ARCHITECT.
4. ALL SLOPES FOR HORIZONTAL DRAINAGE SHALL MAINTAIN A ONE (1) PERCENT SLOPE MINIMUM UNLESS OTHERWISE SPECIFIED.
5. WATER SUPPLY PIPES TO FIXTURES SHALL BE SIZED IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS.
6. ALL BRANCHES OF FIXTURES OR GROUP OF FIXTURES SHALL BE PROVIDED WITH AIR CHAMBER MADE OF CAPPED VERTICAL EXTENSION PIPE NIPPLE.
7. ALL WATER LINES SHALL BE HYDROSTATICALLY TESTED AT 120 PSI FOR A PERIOD OF 24 HOURS BEFORE BURIED OR COVERED. ALL GALVANIZED IRON PIPES DIRECTLY IN CONTACT WITH THE SOIL SHALL BE PROVIDED WITH TWO (2) COATS OF ASPHALT AND WRAPPED WITH JUTE CLOTH AND SOAKED IN MELTED ASPHALT.
8. THE CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES AT THE SITE AND COORDINATE THE WORK WITH THE SEWER AND STORM DRAINAGE LINE, EFFLUENT DISPOSAL POINT AND THE WATER LINE SERVICE.
9. ALL PIPES AND OTHER DIMENSIONS ARE IN MILIMETERS (mm) UNLESS OTHERWISE SPECIFIED.

LEGEND

- CDP

CONCRETE DRAIN PIPE
- CO

CLEAN OUT
- CV

CHECK VALVE
- HB

HOSE BIBB
- FD

FLOOR DRAIN
- GICWL

GALVANIZED IRON COLD WATER LINE (SCH. 40)
- GICWR

GALVANIZED IRON COLD WATER RISER (SCH. 40)
- GV

GATE VALVE
- MH

MANHOLE
- PVCDS

POLYVINYL CHLORIDE DOWNSPOUT
- PVCDP

POLYVINYL CHLORIDE DRAIN PIPE
- PVCSP

POLYVINYL CHLORIDE SOIL PIPE
- PVCVAC

POLYVINYL CHLORIDE VENT. ACROSS CEILING
- PVCVP

POLYVINYL CHLORIDE VENT. PIPE
- PVCVS

POLYVINYL CHLORIDE VENT. STACK
- PVCVTR / W

POLYVINYL CHLORIDE VENT THROUGH ROOF / WALL
- PVCWP

POLYVINYL CHLORIDE WASTE PIPE
- PVCWS

POLYVINYL CHLORIDE WASTE STACK
- RD

ROOF DRAIN
- UD

URINAL DRAIN
- WC

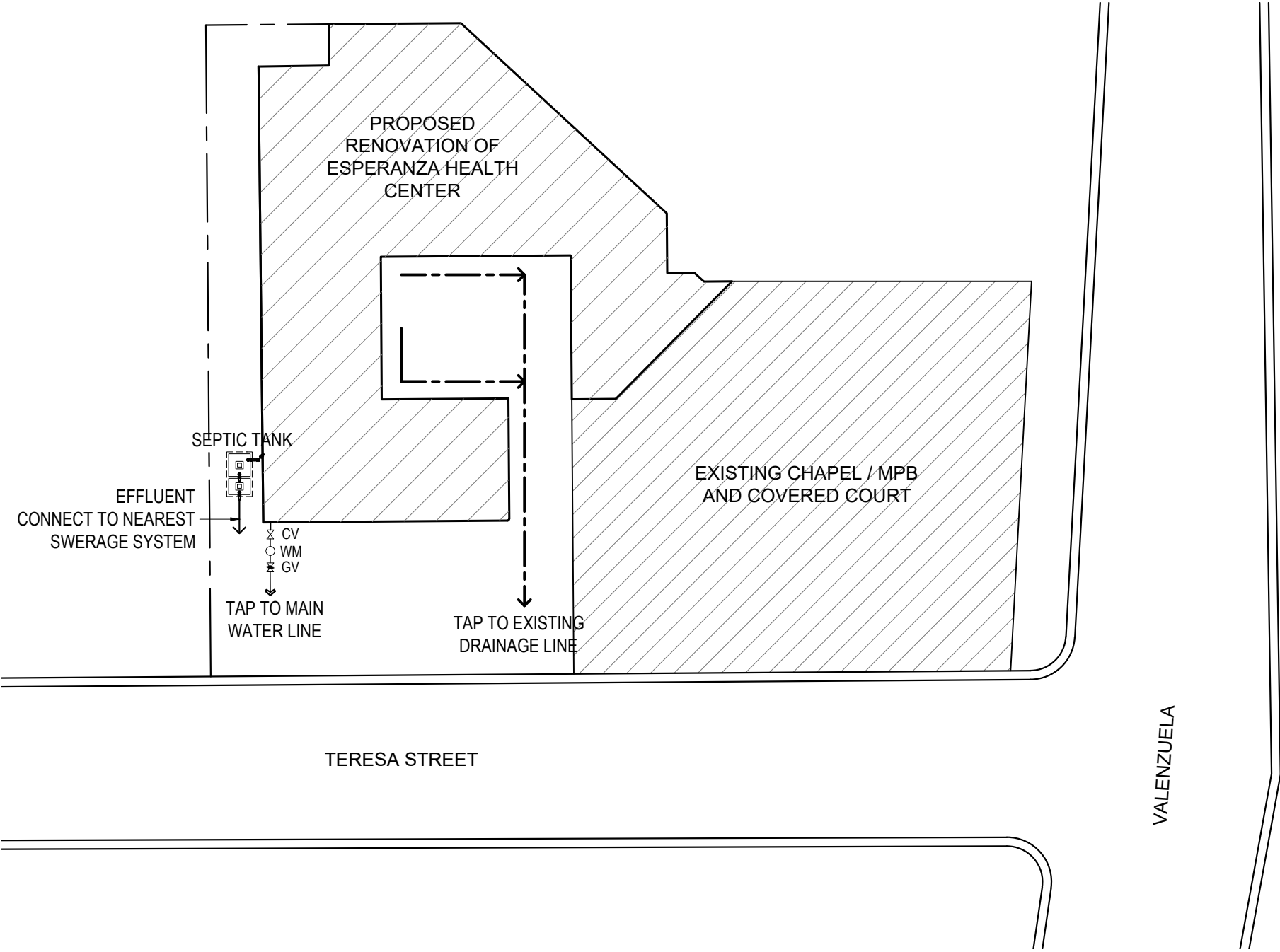
WATER CLOSET
- LAV

LAVATORY
- CS

COUNTER SINK



1 VICINITY MAP  
P - 1 SCALE NTS



2 SITE DEVELOPMENT PLAN  
P - 1 SCALE 1:100 METERS



REPUBLIC OF THE PHILIPPINES  
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS  
NATIONAL CAPITAL REGION  
NORTH MANILA ENGINEERING DISTRICT  
OFFICE OF THE DISTRICT ENGINEER  
Nagtahan, Sta. Mesa, Manila

PROJECT NAME / LOCATION  
  
RENOVATION OF LYING-IN,  
ESPERANZA HEALTH CENTER  
AND LYING-IN-CLINIC  
City of Manila

SHEET CONTENTS  
  
- PLUMBING NOTES  
- LEGEND  
- VICINITY MAP  
- SITE DEVELOPMENT PLAN

PREPARED BY  
  
SURVEYED: REYNIEL JOHN S. MENDIOLA  
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DESIGNED: DARWIN K. DIMAANO  
ENGINEER II  
DRAWN: MARK ANDREW M. MARTINO  
ENGINEERING AIDE - A  
CHECKED: EULOGIO C. DIMAFELIX  
ENGINEER II

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RECOMMENDING APPROVAL:  
  
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Assistant District Engineer

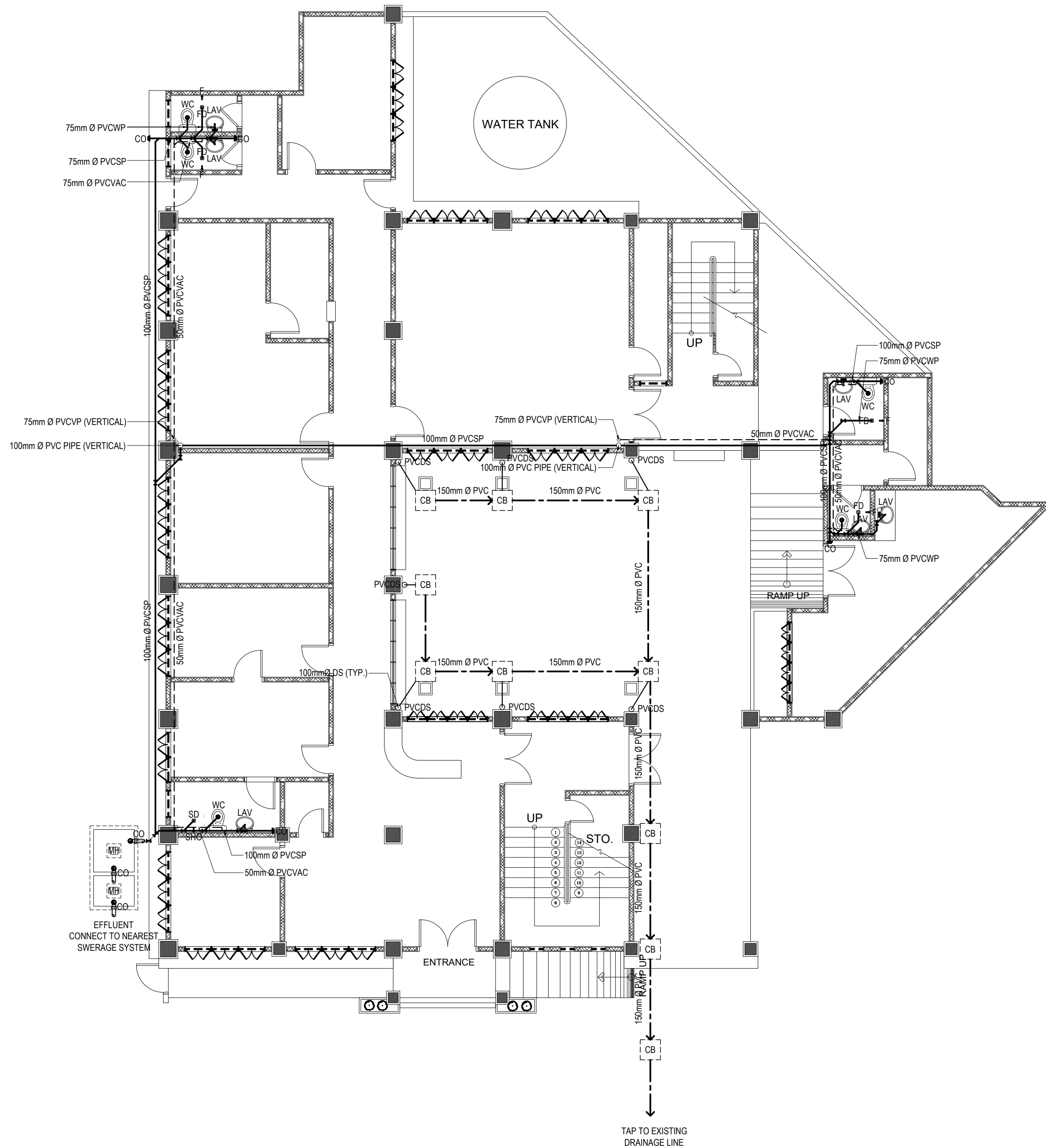
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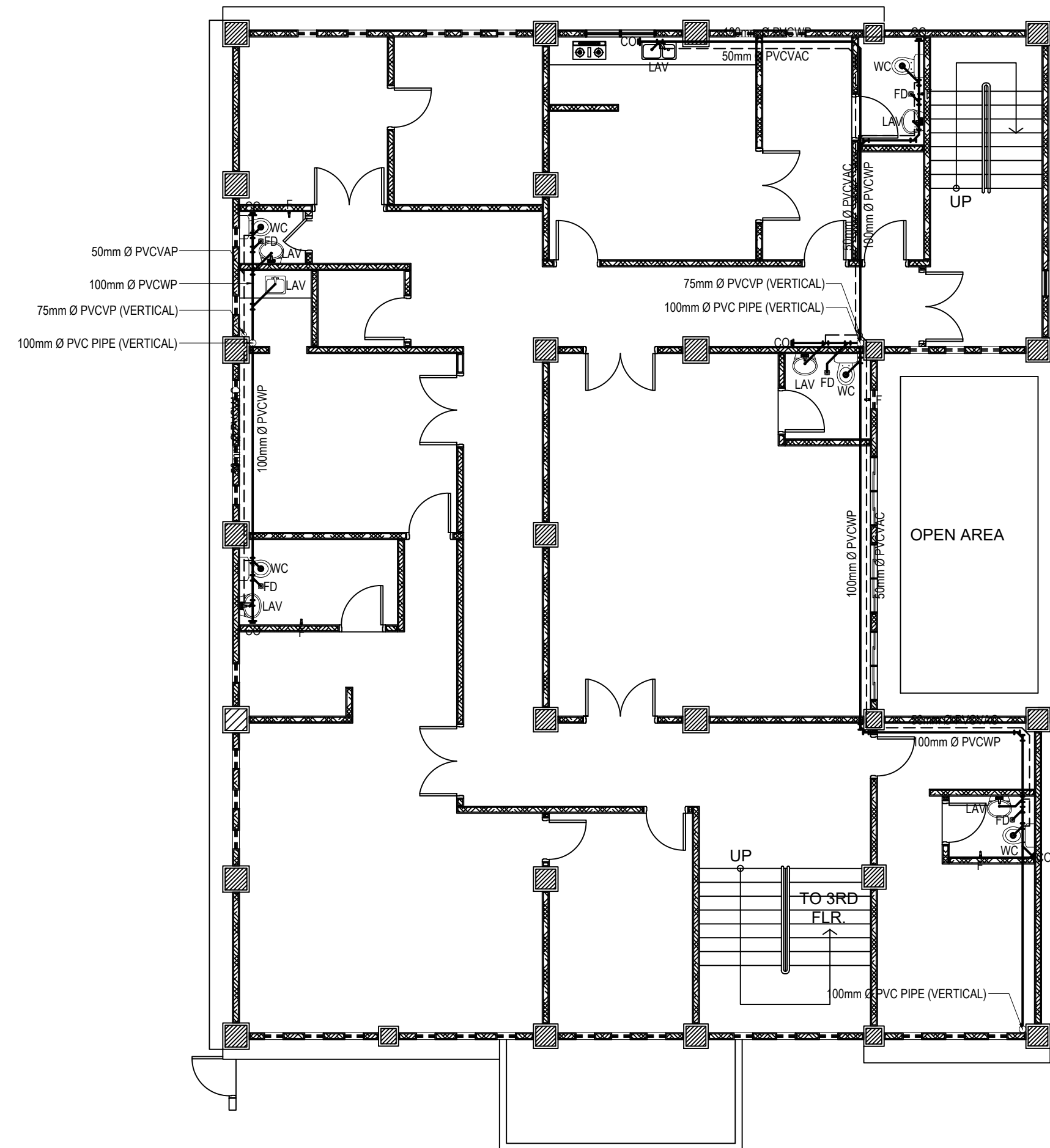
SHEET NO.

P - 1  
15 31





1  
P - 2  
SCALE 1:100  
METERS



2  
P - 2  
SCALE 1:100  
METERS



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PROJECT NAME / LOCATION  
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AND LYING-IN CLINIC  
City of Manila**

SHEET CONTENTS  
- GROUND FLOOR SEWER LINE  
LAYOUT  
- SECOND FLOOR SEWER LINE  
LAYOUT

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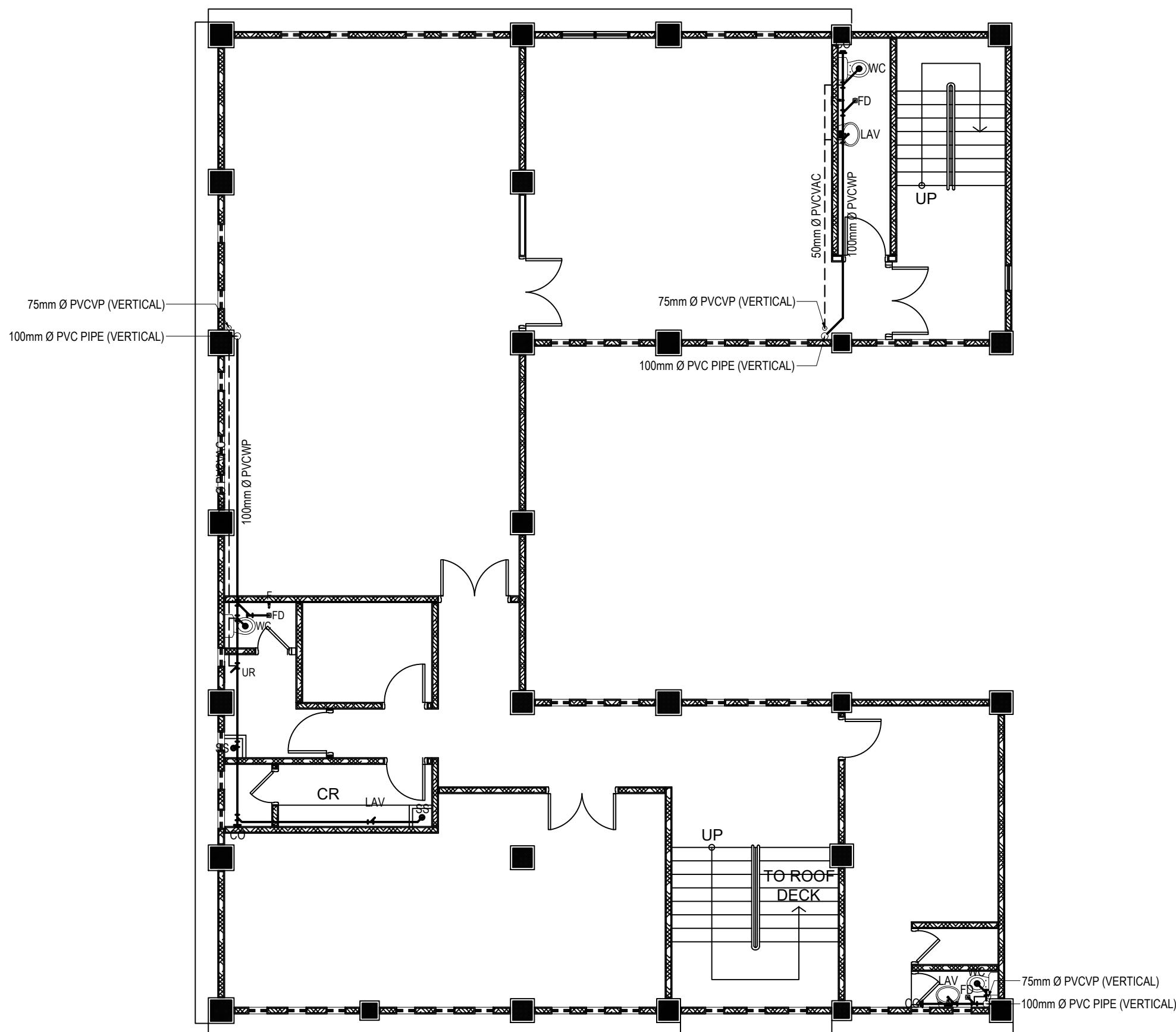
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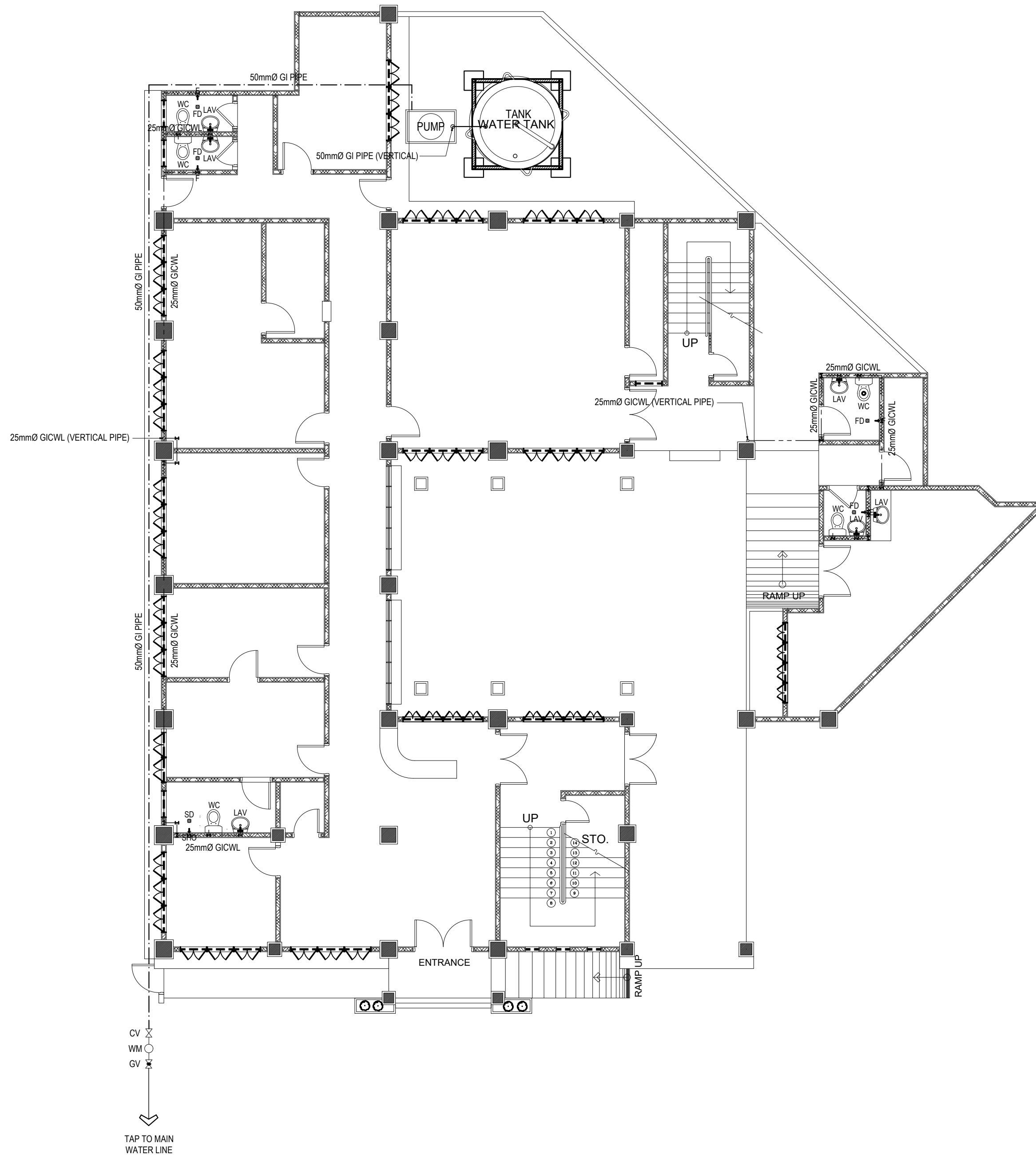
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Engineer IV Director IV, DOH - NCR  
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SHEET NO.

P - 2  
16 31



1  
P - 3  
THIRD FLOOR SEWER LINE LAYOUT  
SCALE 1:100 METERS



2  
P - 3  
GROUND FLOOR WATER LINE LAYOUT  
SCALE 1:100 METERS



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PROJECT NAME / LOCATION

RENOVATION OF LYING-IN,  
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AND LYING-IN-CLINIC  
City of Manila

SHEET CONTENTS

- THIRD FLOOR SEWER LINE LAYOUT
- GROUND FLOOR WATER LINE LAYOUT

PREPARED BY

SURVEYED: REYNIEL JOHN S. MENDIOLA  
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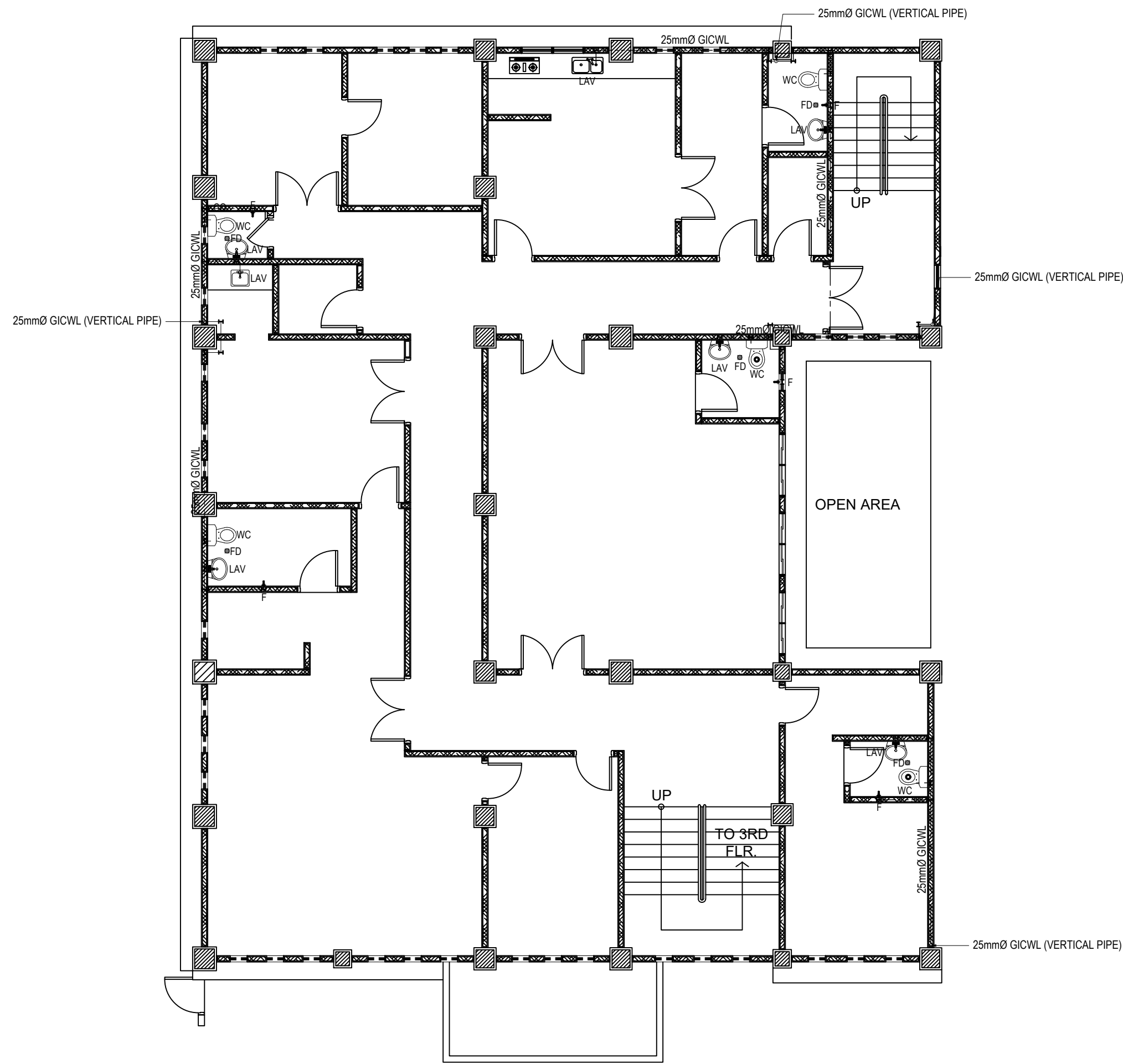
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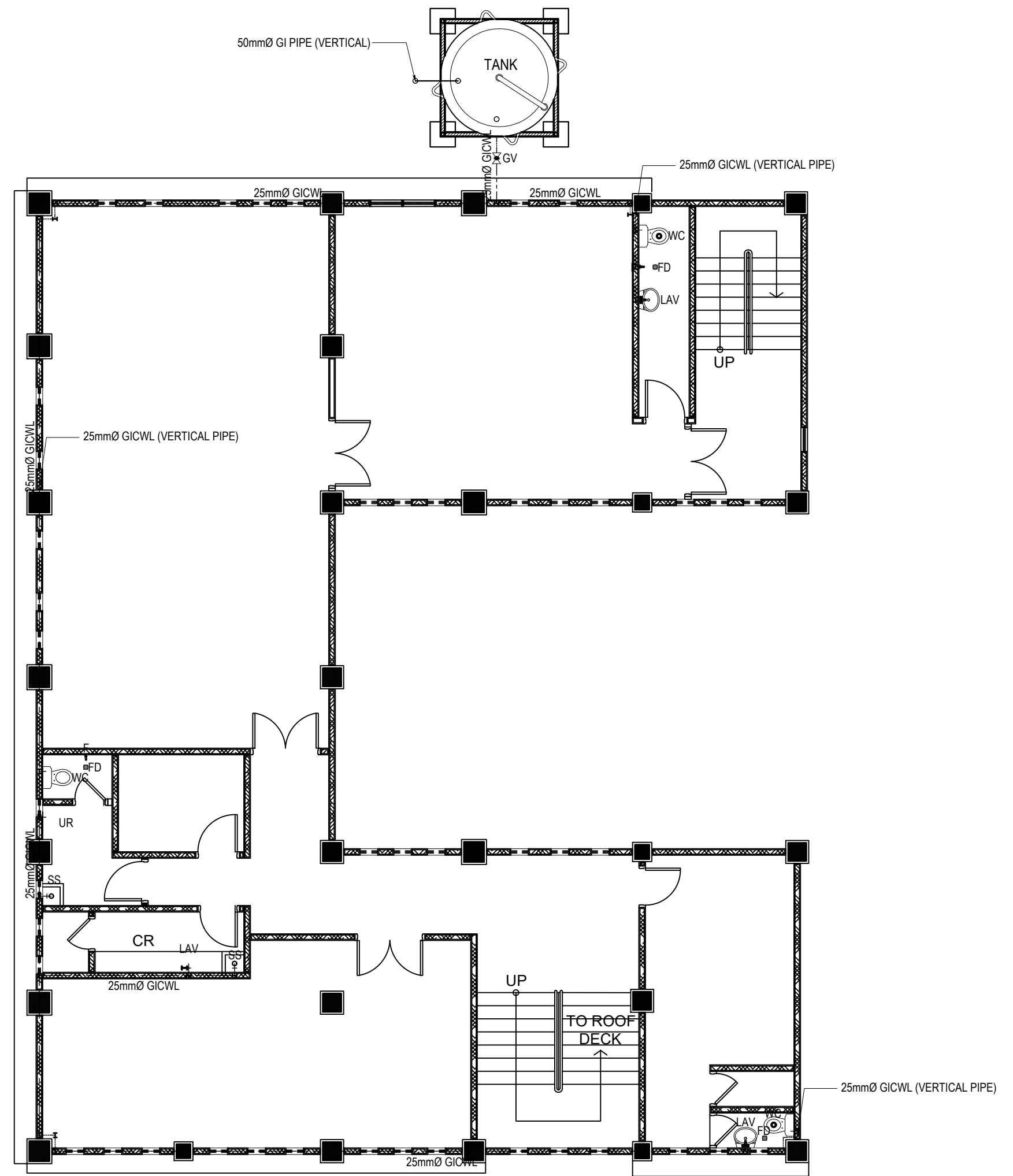
SHEET NO.

P - 3  
17/31




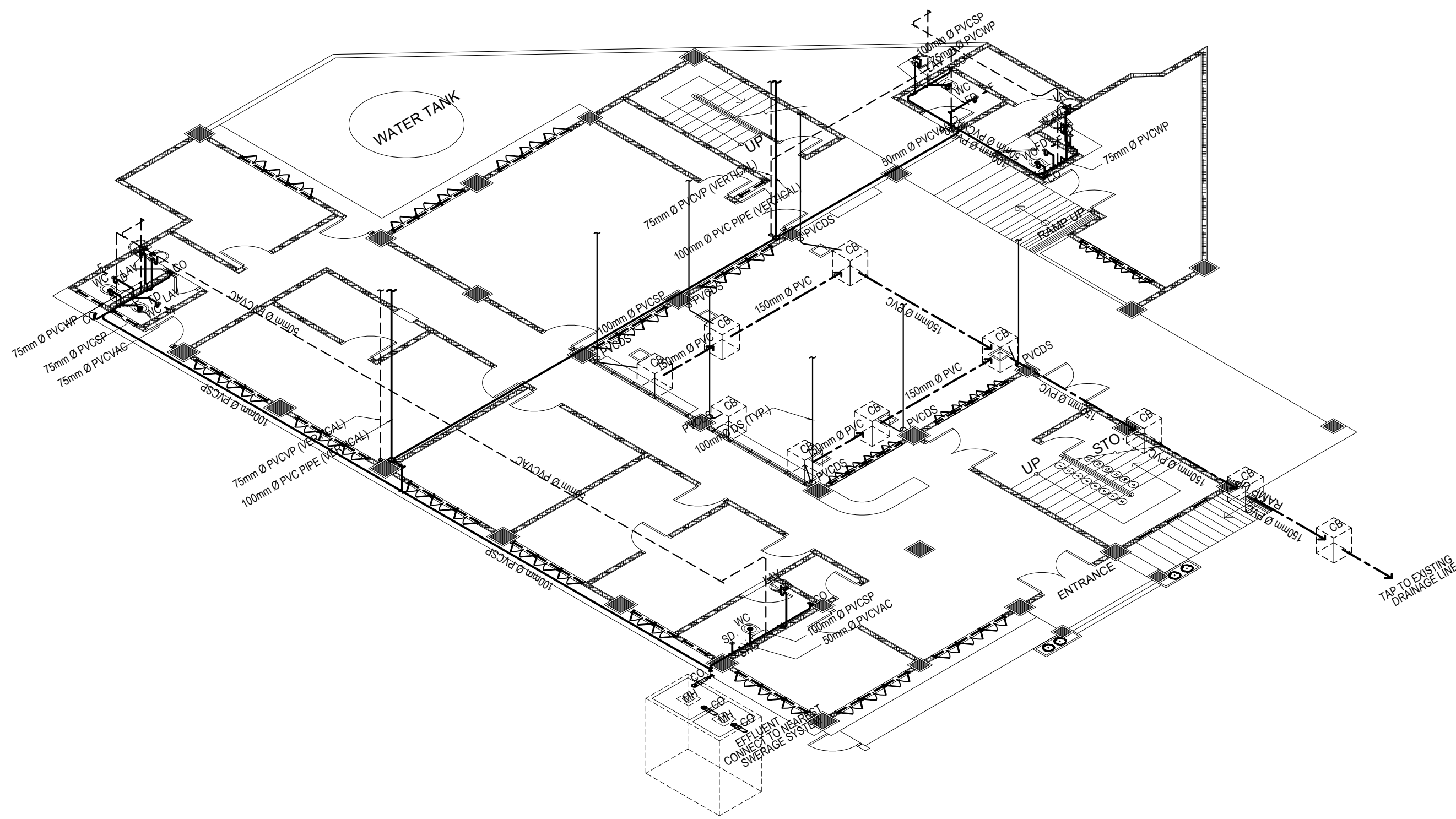


1  
P - 4  
SCALE 1:100  
METERS  
SECOND FLOOR WATER LINE LAYOUT



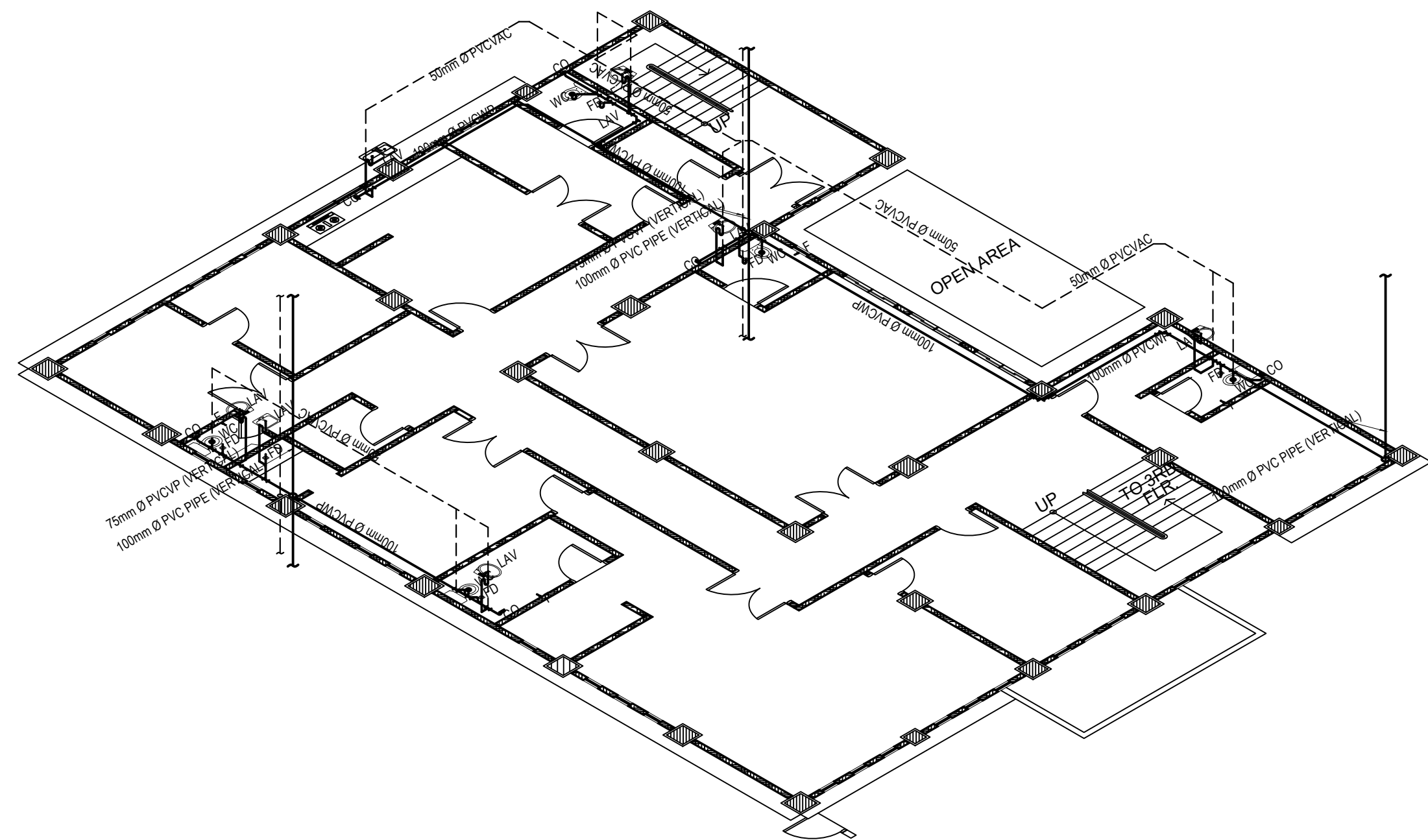
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P - 4  
SCALE 1:100  
METERS  
THIRD FLOOR WATER LINE LAYOUT

 <div>REPUBLIC OF THE PHILIPPINES DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS NATIONAL CAPITAL REGION NORTH MANILA ENGINEERING DISTRICT OFFICE OF THE DISTRICT ENGINEER Nagtahan, Sta. Mesa, Manila</div>	PROJECT NAME / LOCATION	SHEET CONTENTS	PREPARED BY		REVIEWED/SUBMITTED BY:	RECOMMENDING APPROVAL:	APPROVED BY:	CONCURRED BY:	SHEET NO.	
	RENOVATION OF LYING-IN, ESPERANZA HEALTH CENTER AND LYING-IN-CLINIC City of Manila	- SECOND FLOOR WATER LINE LAYOUT - THIRD FLOOR WATER LINE LAYOUT	SURVEYED:	REYNIEL JOHN S. MENDIOLA ENGINEER I	<div>JULIET M. FAJARDO Chief, Planning and Design Section</div>	<div>GERARDO T. DE GUZMAN Assistant District Engineer</div>	<div>MEDEL F. CHUA District Engineer</div>	<div>NILO C. MARAYAG Engineer IV Head, Engineering &amp; Civil Works Cluster, DOH - NCRO</div>	<div>ARIEL I. VALENCIA, MD, MPH, CESO III Director IV, DOH - NCRO</div>	<div>P - 4 18 31</div>
			DESIGNED:	DARWIN K. DIMAANO ENGINEER II						
			DRAWN:	MARK ANDREW M. MARTINO ENGINEERING AIDE - A						
			CHECKED:	EULOGIO C. DIMAFELIX ENGINEER II						



1  
P - 5  
SCALE 1:100  
METERS

**GROUND FLOOR ISOMETRIC SEWER LINE LAYOUT**



2  
P - 5  
SCALE 1:100  
METERS

**SECOND FLOOR ISOMETRIC SEWER LINE LAYOUT**



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PROJECT NAME / LOCATION  
**RENOVATION OF LYING-IN,  
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AND LYING-IN-CLINIC  
City of Manila**

SHEET CONTENTS  
- GROUND FLOOR ISOMETRIC  
SEWER LINE LAYOUT  
- SECOND FLOOR ISOMETRIC  
SEWER LINE LAYOUT

PREPARED BY  
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DESIGNED: **DARWIN K. DIMAANO**  
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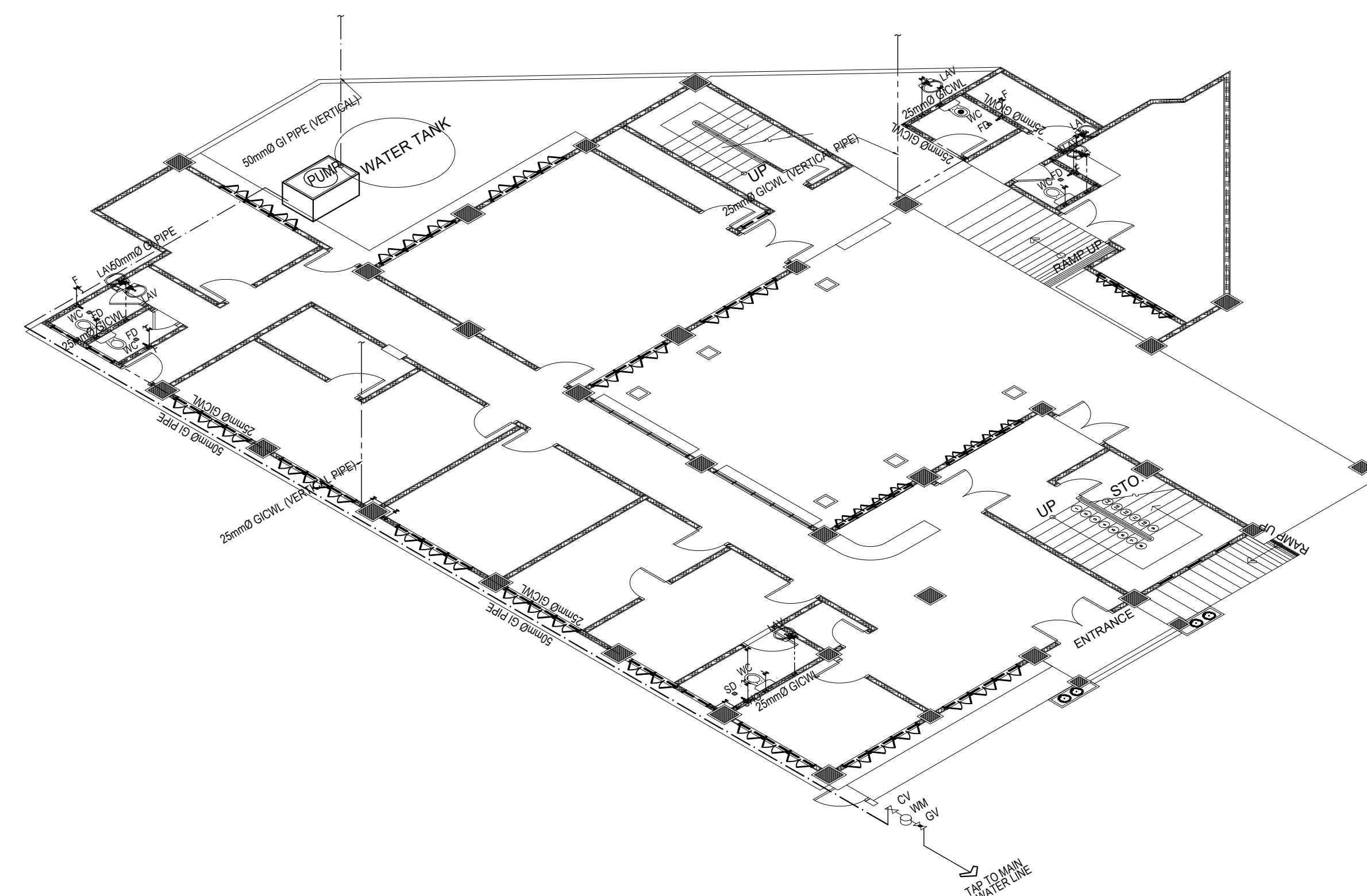
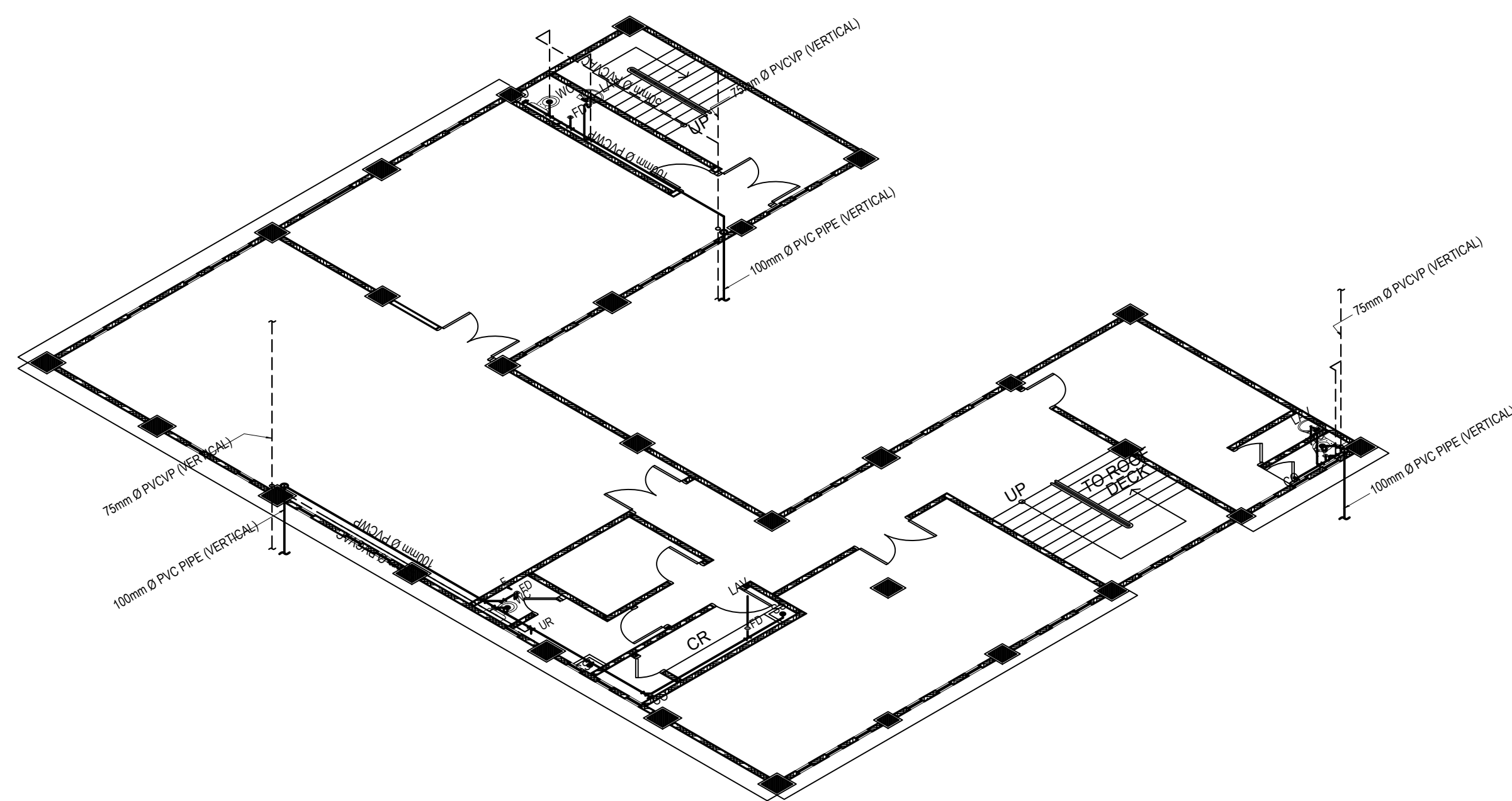
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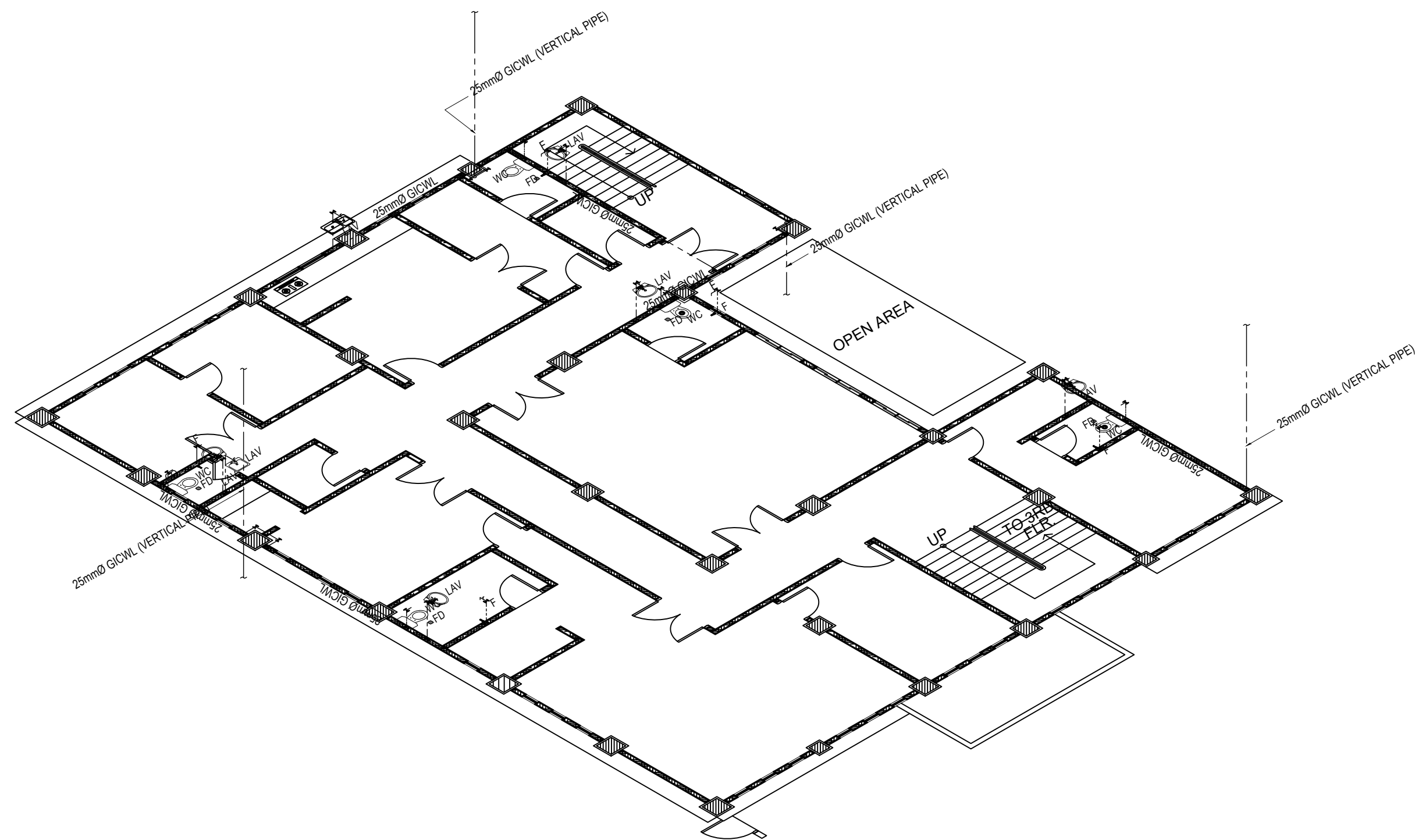
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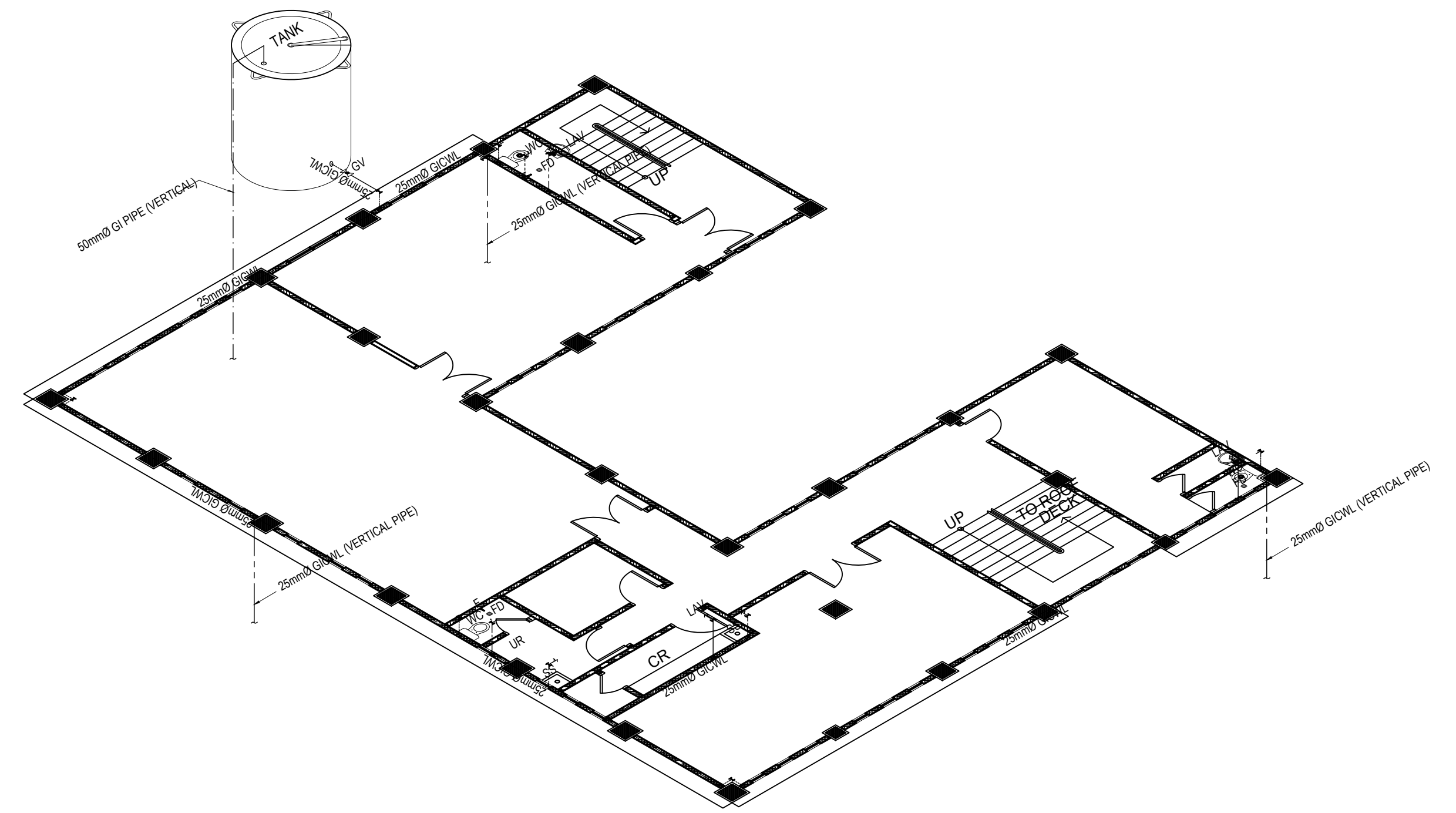


<div></div> <div>REPUBLIC OF THE PHILIPPINES DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS NATIONAL CAPITAL REGION NORTH MANILA ENGINEERING DISTRICT OFFICE OF THE DISTRICT ENGINEER Nagtahan, Sta. Mesa, Manila</div>	PROJECT NAME / LOCATION	SHEET CONTENTS	PREPARED BY	REVIEWED/SUBMITTED BY:	RECOMMENDING APPROVAL:	APPROVED BY:	CONCURRED BY:	SHEET NO.	
	RENOVATION OF LYING-IN, ESPERANZA HEALTH CENTER AND LYING-IN-CLINIC City of Manila	<ul style="list-style-type: none"><li>THIRD FLOOR ISOMETRIC SEWER LINE LAYOUT</li><li>GROUND FLOOR ISOMETRIC WATER LINE LAYOUT</li></ul>	SURVEYED: REYNIEL JOHN S. MENDIOLA ENGINEER I	JULIET M. FAJARDO Chief, Planning and Design Section	GERARDO T. DE GUZMAN Assistant District Engineer	MEDEL F. CHUA District Engineer	NILO C. MARAYAG Engineer IV Head, Engineering & Civil Works Cluster, DOH - NCRO	ARIEL I. VALENCIA, MD, MPH, CESO III Director IV, DOH - NCRO	<div><div>P - 6</div><div>2031</div></div>
			DESIGNED: DARWIN K. DIMAANO ENGINEER II						
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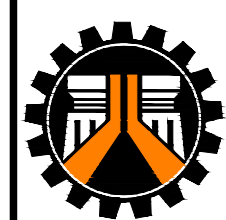
1  
P - 7  
SCALE 1:100  
METERS

**SECOND FLOOR ISOMETRIC WATER LINE LAYOUT**



2  
P - 7  
SCALE 1:100  
METERS

**THIRD FLOOR ISOMETRIC WATER LINE LAYOUT**



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PROJECT NAME / LOCATION  
**RENOVATION OF LYING-IN,  
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AND LYING-IN-CLINIC  
City of Manila**

SHEET CONTENTS  
- SECOND FLOOR ISOMETRIC  
WATER LINE LAYOUT  
- THIRD FLOOR ISOMETRIC  
WATER LINE LAYOUT

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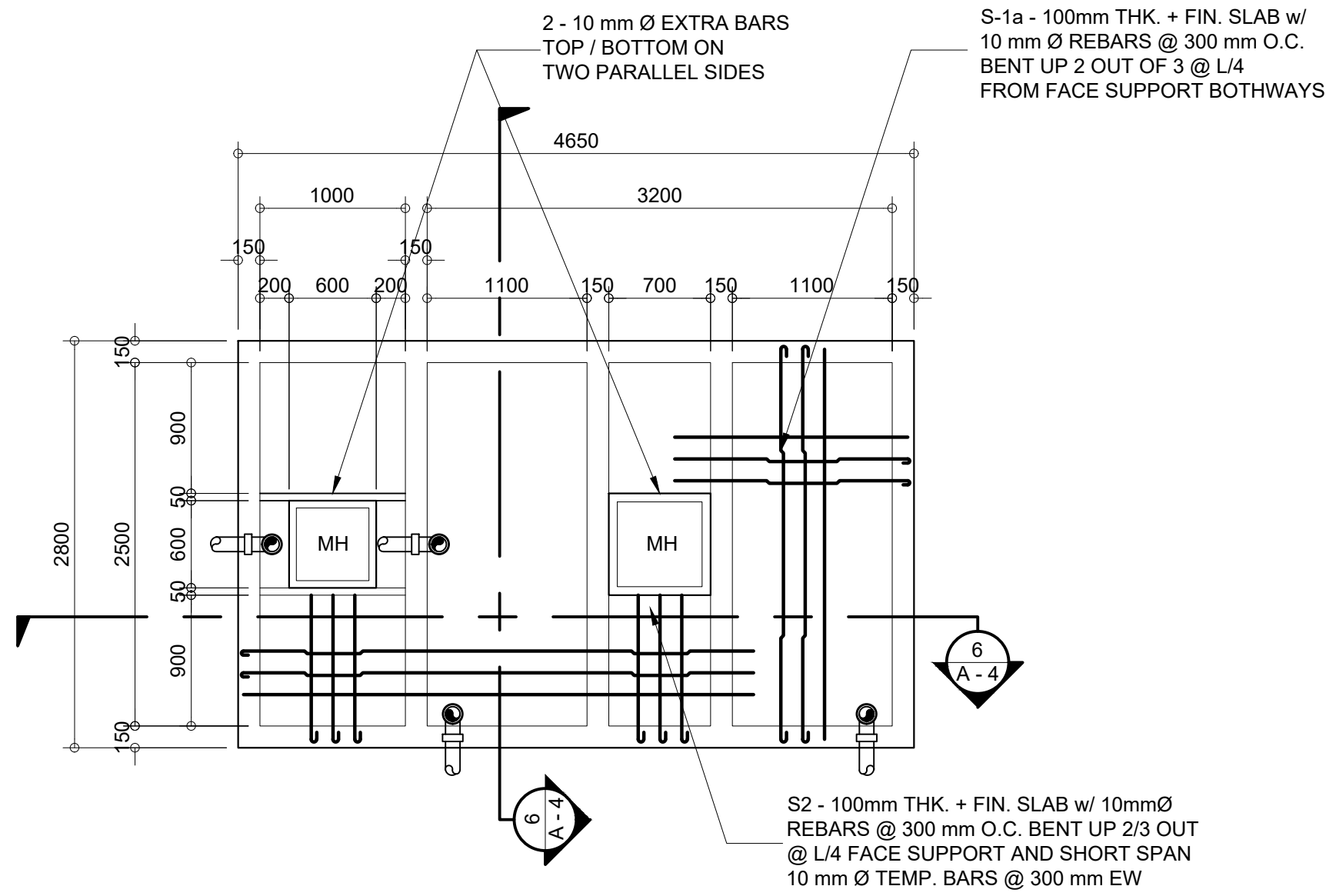
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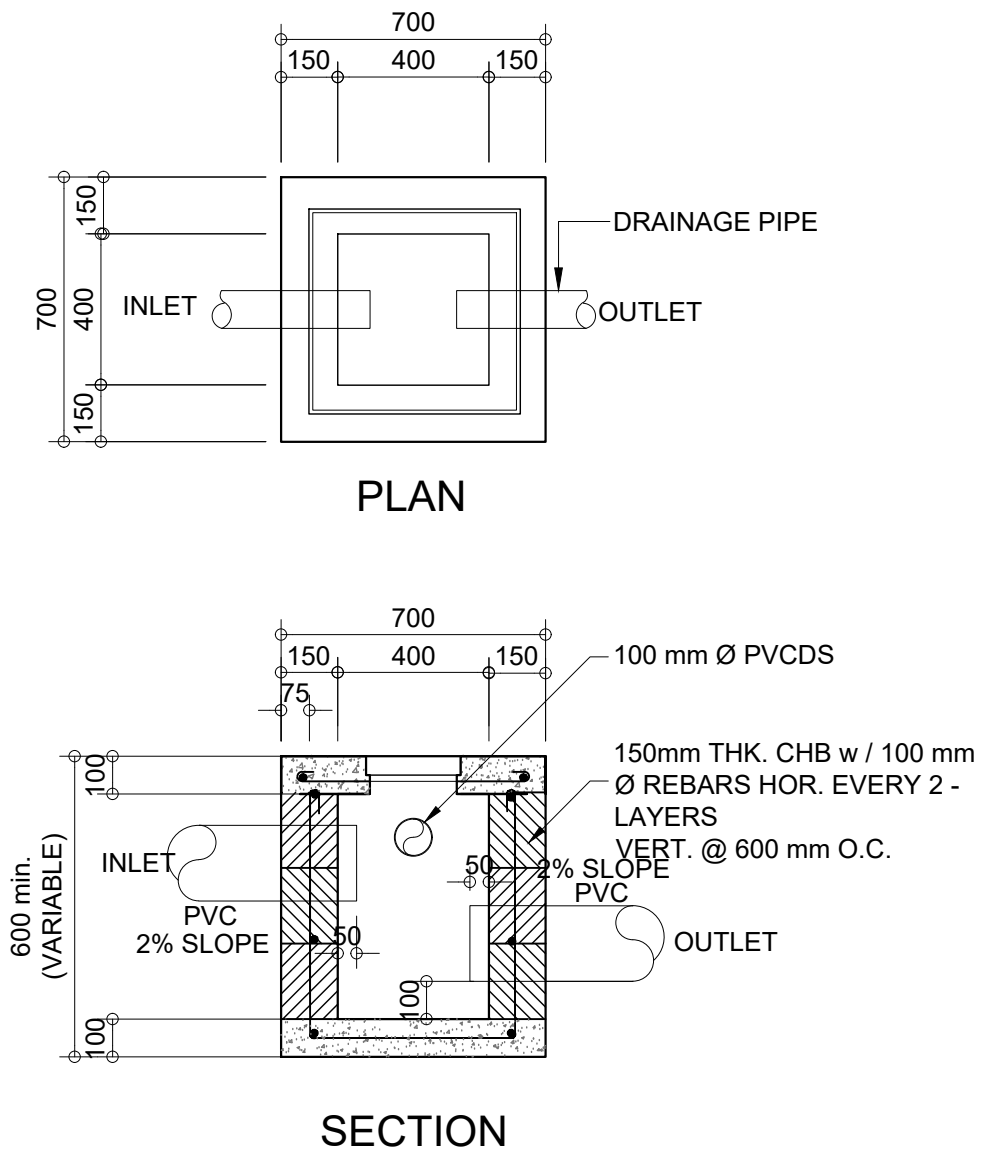
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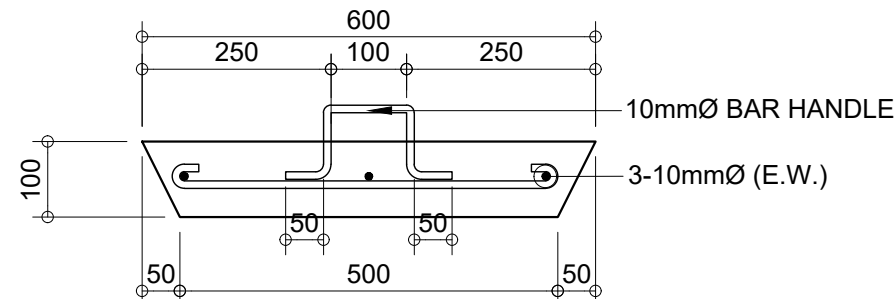




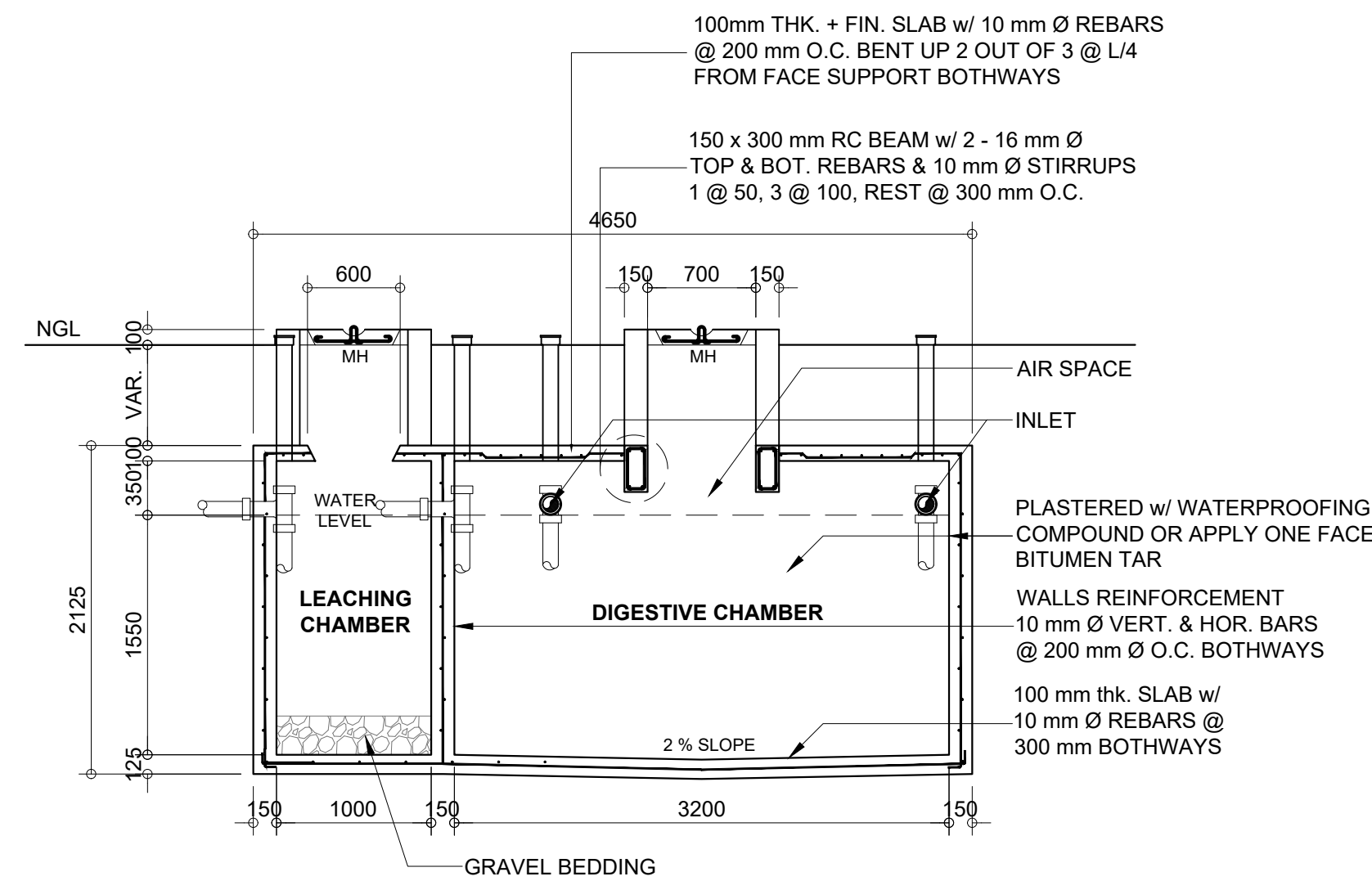
**1**  
P - 8  
**DETAIL PLAN OF SEPTIC TANK**  
SCALE 1:40 METERS



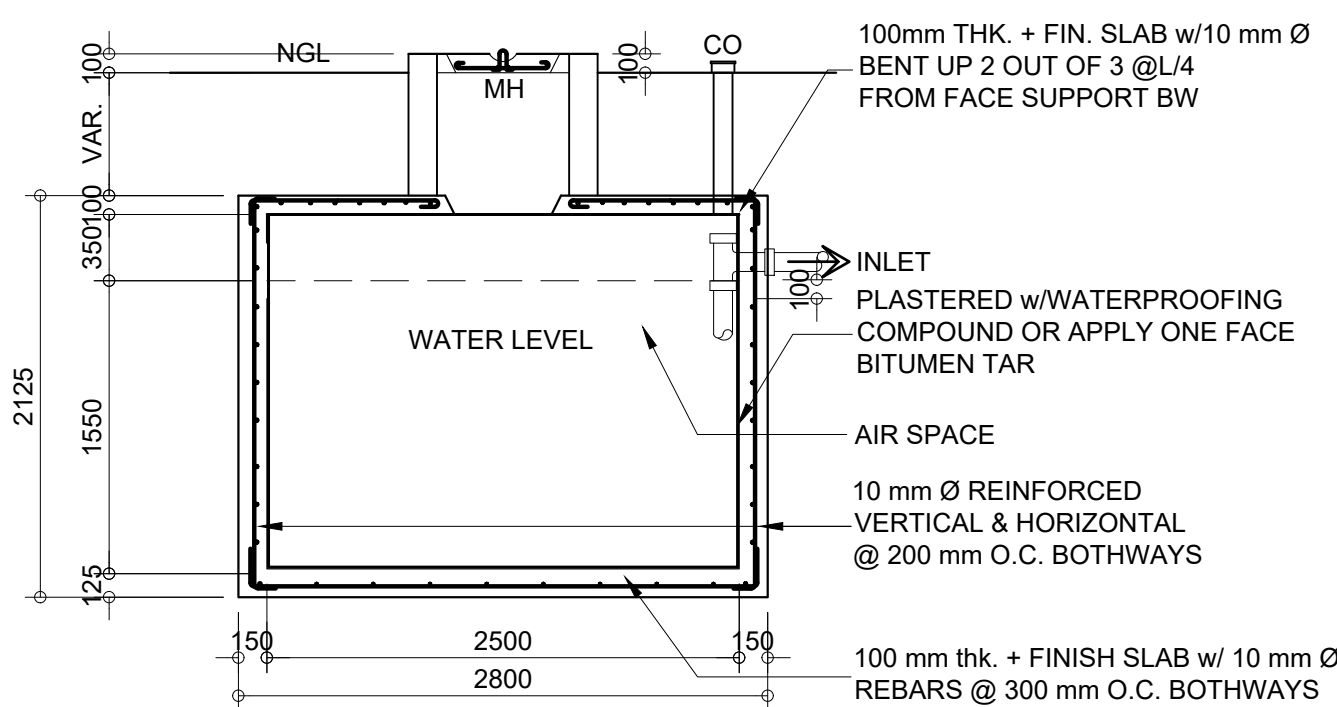
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P - 8  
**CATCHBASIN DETAIL SECTION**  
SCALE 1:20 METERS



**4**  
P - 8  
**COVER DETAIL**  
SCALE 1:20 METERS



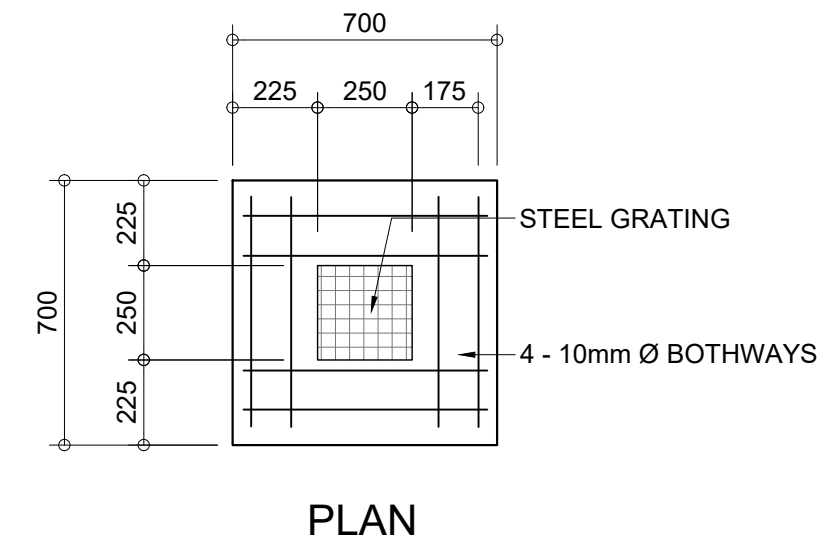
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**LONGITUDINAL SECTION DETAIL**  
SCALE 1:40 METERS



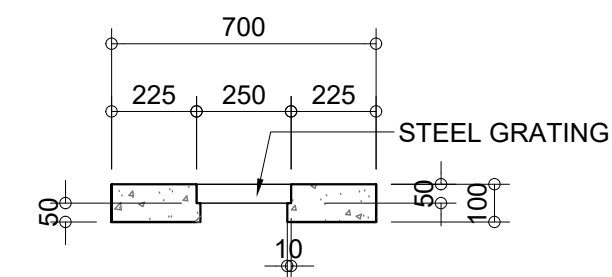
**3**  
P - 8  
**CROSS SECTION DETAIL**  
SCALE 1:40 METERS

**LEGEND:**

<b>CB</b>	CATCH BASIN	<b>PVCSP</b>	POLYVINYL CHLORIDE SOIL PIPE
<b>CDP</b>	CONCRETE DRAIN PIPE	<b>PVCVAC</b>	POLYVINYL CHLORIDE VENT. ACROSS CEILING
<b>CO</b>	CLEAN OUT	<b>PVCVP</b>	POLYVINYL CHLORIDE VENT. PIPE
<b>CV</b>	CHECK VALVE	<b>PVCVS</b>	POLYVINYL CHLORIDE VENT. STACK
<b>HB</b>	HOSE BIBB	<b>PVCVTR / W</b>	POLYVINYL CHLORIDE VENT THROUGH ROOF / WALL
<b>FD</b>	FLOOR DRAIN	<b>PVCWP</b>	POLYVINYL CHLORIDE WASTE PIPE
<b>GICWL</b>	GALVANIZED IRON COLD WATER LINE (SCH. 40)	<b>PVCWS</b>	POLYVINYL CHLORIDE WASTE STACK
<b>GICWR</b>	GALVANIZED IRON COLD WATER RISER (SCH. 40)	<b>RD</b>	ROOF DRAIN
<b>GV</b>	GATE VALVE	<b>UD</b>	URINAL DRAIN
<b>MH</b>	MANHOLE	<b>WC</b>	WATER CLOSET
<b>PVCDS</b>	POLYVINYL CHLORIDE DOWNSPOUT	<b>LAV</b>	LAVATORY
<b>PVCDP</b>	POLYVINYL CHLORIDE DRAIN PIPE	<b>CS</b>	COUNTER SINK



**PLAN**



**SECTION**

**6**  
P - 8  
**STEEL GRATING COVER**  
SCALE 1:20 METERS



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PROJECT NAME / LOCATION  
**RENOVATION OF LYING-IN,  
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AND LYING-IN-CLINIC  
City of Manila**

SHEET CONTENTS  
- DETAIL OF SEPTIC TANK  
- DETAIL OF CATCHBASIN  
- SPOT DETAIL SECTION  
- COVER DETAIL  
- STEEL GRATING COVER

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SHEET NO.

**P - 8**  
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