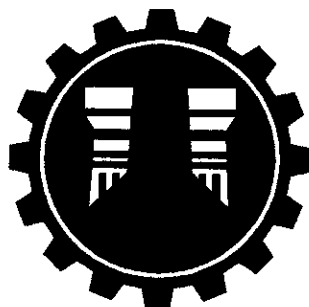




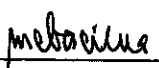
251M0068

REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
REGIONAL OFFICE NO. VIII
TACLOBAN CITY DISTRICT ENGINEERING OFFICE
NEW BUS TERMINAL, BRGY. 91, ABUCAY, TACLOBAN CITY

PROJECT ID: _____
C.Y. 2025 PROJECT
DETAILED ENGINEERING DESIGN PLAN FOR
**CONSTRUCTION OF MULTI-PURPOSE BUILDING,
BARANGAY 62-B, TACLOBAN CITY**

PHYSICAL TARGET: 1 BUILDING

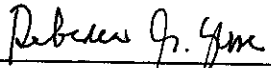
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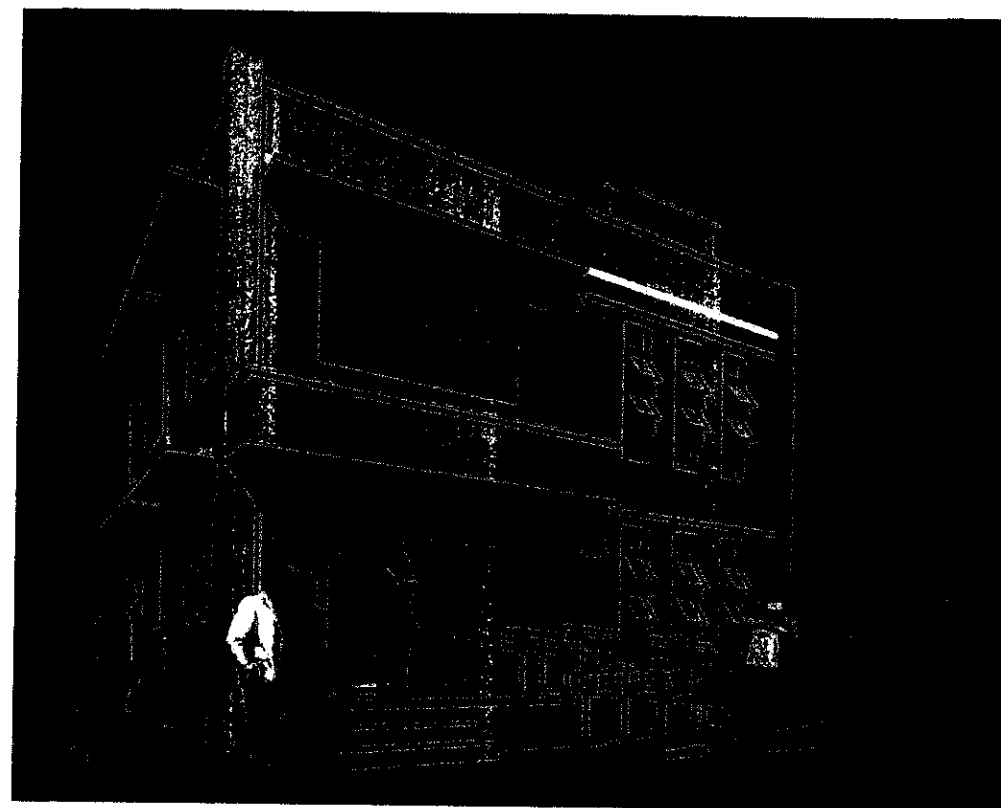

MARGARITA C. BACIERRA
CHIEF, PLANNING AND DESIGN SECTION
DATE: 01/22/2025

RECOMMENDED:

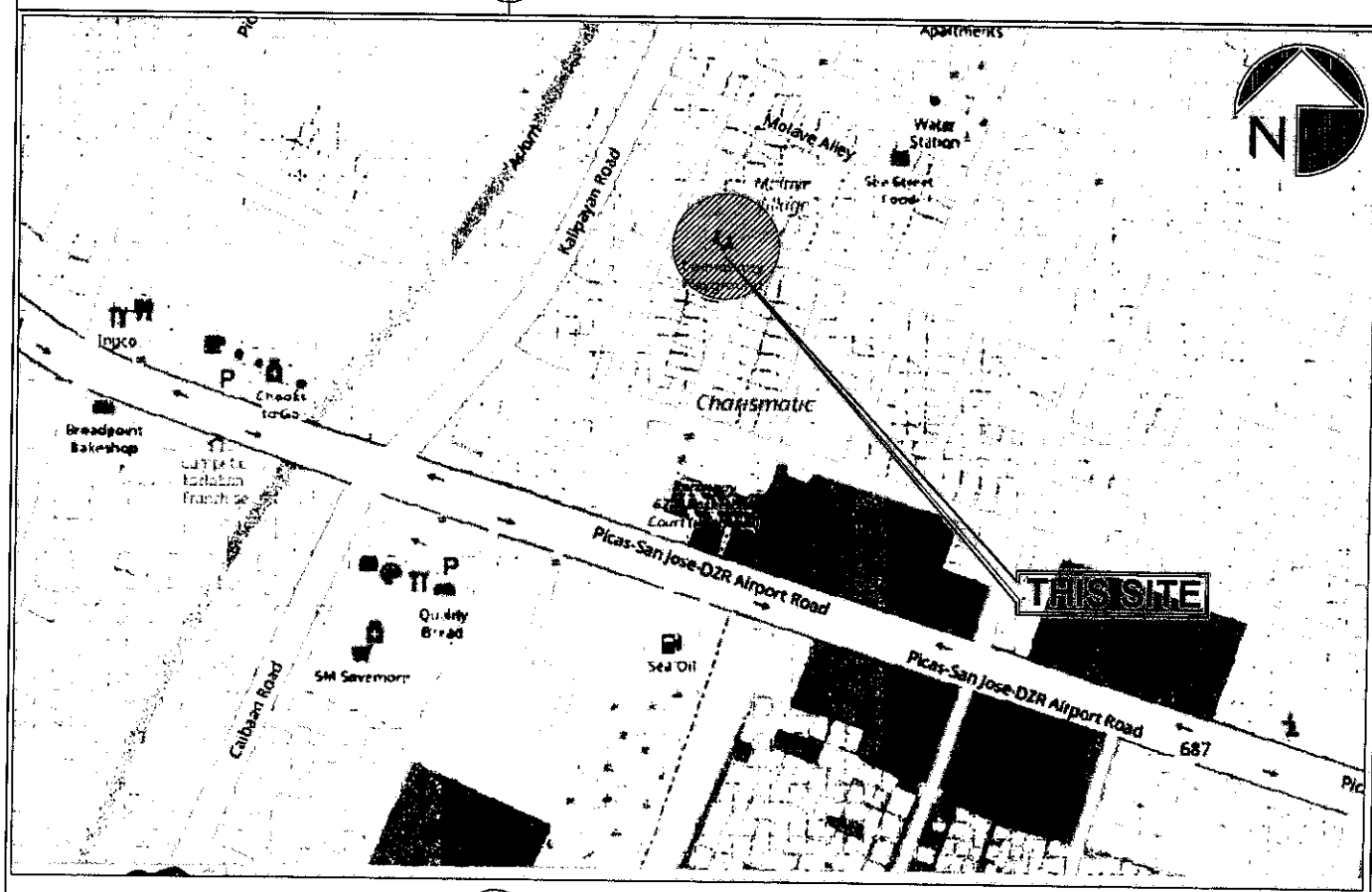

RAY P. MATE
ASSISTANT DISTRICT ENGINEER
DATE: 1/22/25

APPROVED:


REBECCA G. YUSE
DISTRICT ENGINEER
DATE: 1/22/25



1 PERSPECTIVE

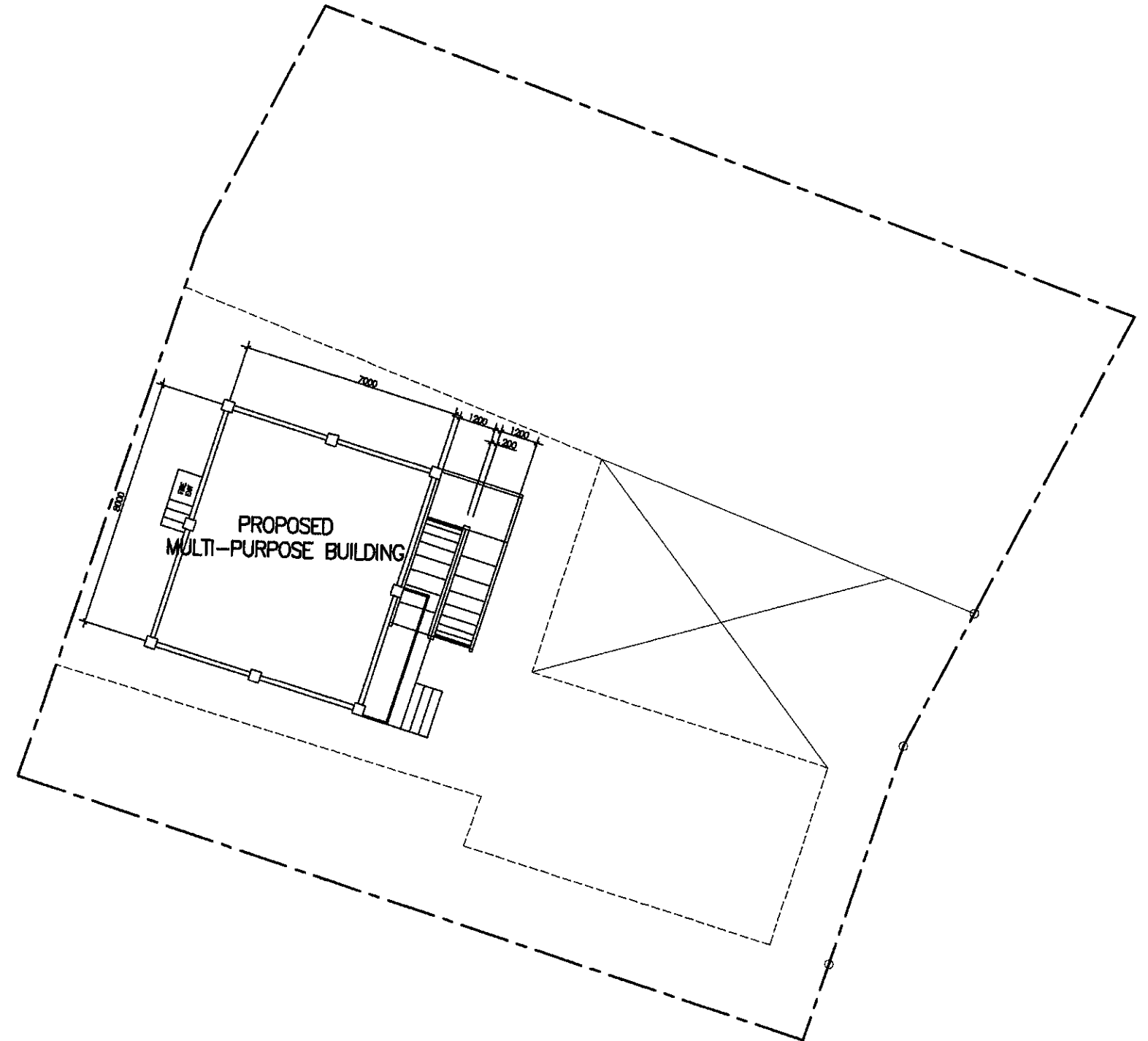


2 LOCATION MAP

SUMMARY OF QUANTITIES				TABLE OF CONTENTS		OFFICE OF THE CITY/ MUNICIPAL ENGINEER/ BUILDING OFFICIAL
ITEM NO.	DESCRIPTION	UNIT	QUANTITY	ARCHITECTURAL		
B.3(1)	Permits and Clearances	ls	1.00	A-1 - PERSPECTIVE LOCATION MAP		DISTRICT / CITY / MUNICIPALITY
B.5(1)	Project Billboard / Signboard	ea	2.00	SUMMARY OF QUANTITIES TABLE OF CONTENTS		
B.7(1)	Occupational Safety and Health Program	ls	1.00	A-2 - VICINITY MAP SITE DEVELOPMENT PLAN		LAND USE AND ZONING
B.9(1)	Mobilization/Demobilization	ls	1.00	A-3 - GROUND FLOOR PLAN SECOND FLOOR PLAN LOWER ROOFDECK PLAN UPPER ROOFDECK PLAN FRONT ELEVATION RIGHT-SIDE ELEVATION		
B.20(1)	Temporary Fence	ls	1.00	A-4 - REAR ELEVATION LEFT-SIDE ELEVATION CROSS SECTION LONGITUDINAL SECTION PWD-TOILET DETAIL PWD-RAMP DETAIL		LINE AND GRADE
801(1)	Removal of Structures and Obstruction	ls	1.00	A-5 - DOORS AND WINDOWS SCHEDULE		
803(1)a	Structure Excavation (Common Soil)	m³	78.08	A-6 - REFLECTIVE CEILING PLAN PERSPECTIVE CEILING SECTION DETAIL - CEILING DETAIL OF CONC. SUN BREAKER SPOT DETAIL		ARCHITECTURAL
804(1)a	Embankment from Structure Excavation (Common Soil)	m³	55.48	A-7 - TYPICAL DETAIL PLAN OF STAIRS (TO DECK ROOF FLOOR) STAIR - DETAIL SECTION TYPICAL SECTION OF STAIR LANDING TYPICAL DETAIL SECTION-STAIR STEPS SPOT DETAIL OF NON-SKID NOSING STRIP SPOT DETAIL SECTION OF WATERPROOFING MEMBRANE AND ROOFDECK FLOOR DRAIN KITCHEN SINK SECTION DETAIL		
804(2)a	Embankment from Borrow (Common Soil)	m³	38.74	STRUCTURAL		STRUCTURAL
804(7)	Gravel Fill	m³	18.84	S-1 - GENERAL CONSTRUCTION NOTES		
900 (1)a	Structural Concrete (Class A / 28 days) 3000 psi	m³	76.47	S-2 - GENERAL CONSTRUCTION NOTES		ARCHITECTURAL
902(1)a	Reinforcing Steel (Deformed), Grade 40	kgs	11,905.56	S-3 - FOUNDATION PLAN BASE FRAMING PLAN SECOND FLOOR FRAMING PLAN		
903(2)	Formworks and Falseworks	m²	453.05	S-4 - LOWER ROOFDECK FRAMING PLAN UPPER ROOFDECK FRAMING PLAN		PLUMBING
1000(1)	Soil Poisoning	L	4.00	S-5 - SCHEDULE OF GIRDER/BEAMS SCHEDULE OF COLUMN SCHEDULE OF FOOTING SCHEDULE OF SLAB		
1001(8)	Sewer Line Works	ls	1.00	S-6 - WALL FOOTING DETAIL STAIR DETAIL		ELECTRICAL
1001(8)	Storm Drainage and Downspout	ls	1.00	PLUMBING		
1001(5)b	Catch Basin (CHB)	ea	7.00	P-1 - GENERAL NOTES LEGENDS AND SYMBOLS TYPICAL DETAIL SEPTIC TANK FLOOR DRAIN DETAIL AIR CHAMBER DETAIL CLEAN OUT DETAIL CATCH BASIN TYPICAL DETAIL ROOF DRAIN DETAIL		ELECTRICAL
1001 (11)	Septic Vault (Concrete/CHB)	ls	1.00	P-2 - GROUND FLOOR - SANITARY LINE LAYOUT SECOND FLOOR - SANITARY LINE LAYOUT THIRD FLOOR - SANITARY LINE LAYOUT		
1002(24)	Cold Waterlines	ls	1.00	P-3 - GROUND FLOOR - WATERLINE LAYOUT SECOND FLOOR - WATERLINE LAYOUT LOWER ROOFDECK - WATERLINE LAYOUT		MECHANICAL
1002(4)	Plumbing Fixtures	ls	1.00	P-4 - SANITARY LINE LAYOUT - ISOMETRIC PLAN WATERLINE LAYOUT - ISOMETRIC PLAN		
1046(2)a2	CHB Non-Load Bearing (including Reinforcing Steel) 150mm	m²	175.03	P-5 - GROUND FLOOR DRAINAGE LAYOUT PLAN LOWER ROOFDECK DRAINAGE LAYOUT PLAN UPPER ROOFDECK DRAINAGE LAYOUT PLAN ROOF DRAINAGE - ISOMETRIC PLAN		ELECTRICAL
1046(2)a1	CHB Non-Load Bearing (including Reinforcing Steel) 100mm	m²	80.25	ELECTRICAL		
1010(1)	Frames (Jambes, Sills, Head, Transoms and Mullions)	set	14.00	E-1 - GENERAL NOTES LEGENDS AND SYMBOLS VOLTAGE DROP COMPUTATION ILLUMINATION COMPUTATION DESIGN ANALYSIS LOCATION MAP SITE DEVELOPMENT PLAN SCHEDULE OF ELECTRICAL LOADS LP-A PANEL BOARD DIAGRAM LP-A ELECTRICAL RISER DIAGRAM		ELECTRICAL
1043(1)	PVC Doors and Frames	m²	3.15	E-2 - LIGHTING LAYOUT		
1010(2)a	Doors (Flush)	m²	1.26	E-3 - POWER LAYOUT		MECHANICAL
1010(2)b	Doors (Wood Panel)	m²	2.94	ELECTRONICS		
1007(1)b	Aluminum Framed Glass Door (Swing Type)	m²	10.08	ECE-1 - GENERAL NOTES LEGENDS AND SYMBOLS CCTV MOUNTING DETAIL SITE DEVELOPMENT PLAN LOCATION MAP RISER DIAGRAM - SECURITY CCTV SYSTEM ECE-2 - SECURITY CCTV SYSTEM LAYOUT PLANS		MECHANICAL
1006 (1)	Hollow Steel Door	m²	1.68	FIRE PROTECTION		

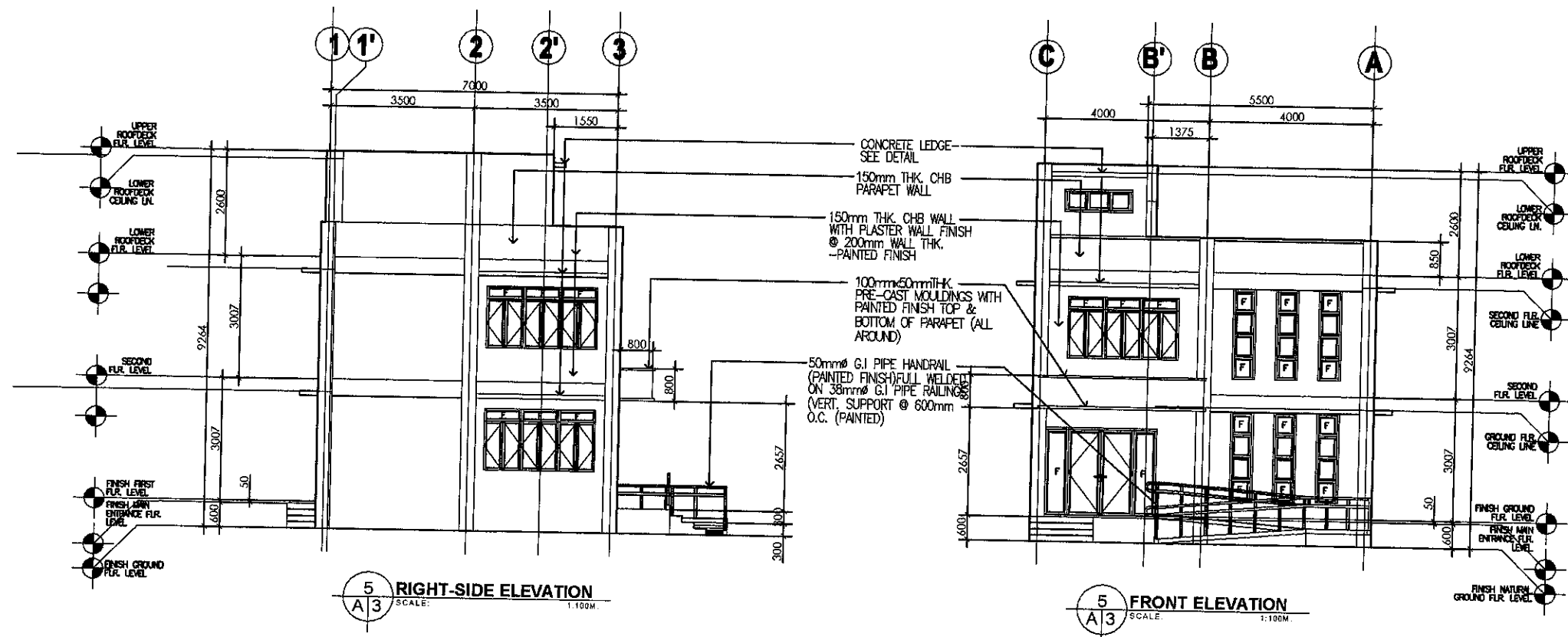
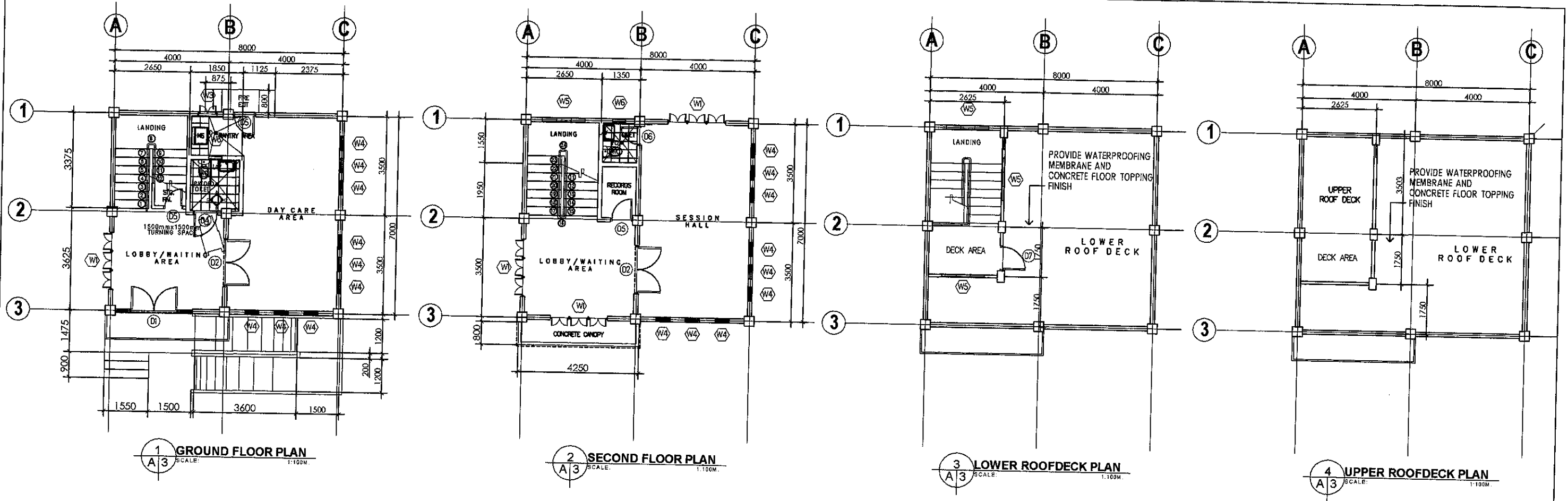


1 VICINITY MAP
SCALE: 1:150M

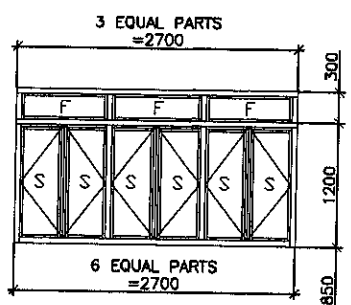
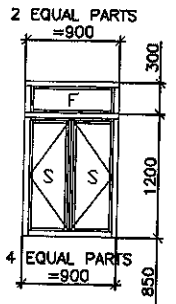
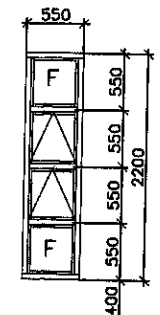
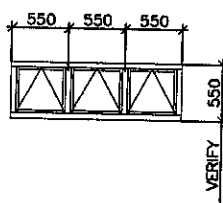
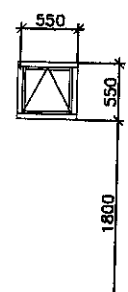


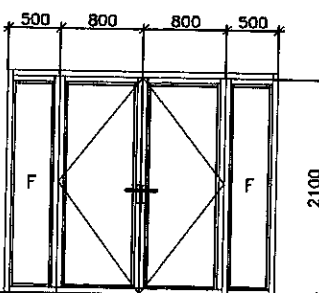
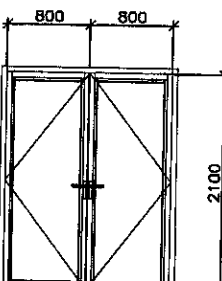
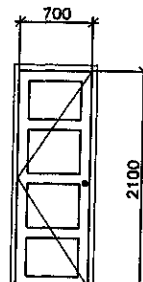
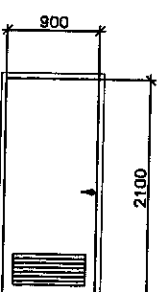
2 SITE DEVELOPEMENT PLAN
SCALE: 1:125M

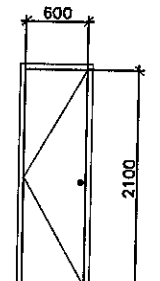
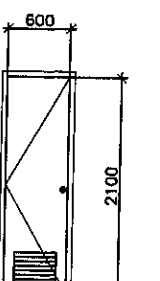
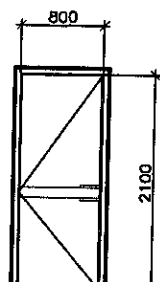
REPUBLIC OF THE PHILIPPINES DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS REGIONAL OFFICE No. VII TACLOBAN CITY DISTRICT ENGINEERING OFFICE NEW BUS TERMINAL, BRGY. 91, ABUCAY, TACLOBAN CITY	PROJECT NAME AND LOCATION:	SHEET CONTENTS:	DRAFTED:	REVIEWED:	SUBMITTED:	RECOMMENDED:	APPROVED:	SET NO	SHEET NO
	CONSTRUCTION OF MULTI-PURPOSE BUILDING, BARANGAY 62-8, TACLOBAN CITY	VICINITY MAP SITE DEVELOPEMENT PLAN	JHUNBERT O. ENERO ARCHITECT I	JOHN NICHOLS ST. BERTULFO ENGINEER II	MARGARITA C. BACIERRA CHIEF, PLANNING AND DESIGN SECTION	RAY M. MATE ASSISTANT DISTRICT ENGINEER	REBECCA S. YUSE DISTRICT ENGINEER	A 2 / 7	3 29
			PREPARED BY: RYAN B. GILANG ENGINEERING ASSISTANT	DATE: 1/22/20	DATE: 1/22/20	DATE: 1/22/20	DATE: 1/22/20		



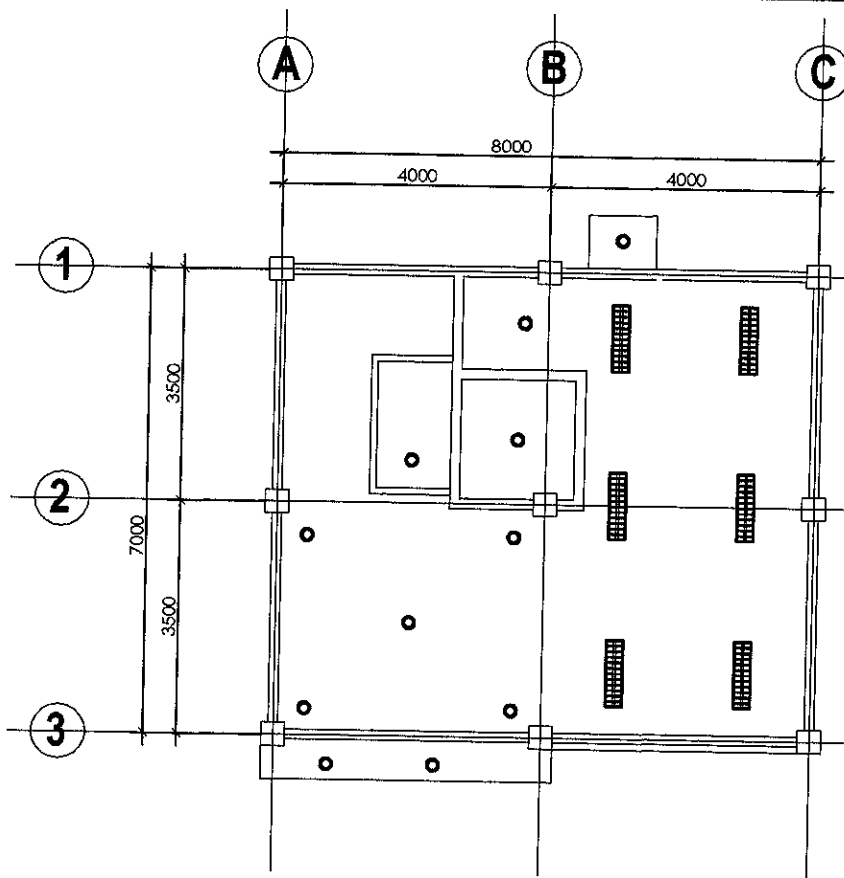
REPUBLIC OF THE PHILIPPINES DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS REGIONAL OFFICE NO. VII TACLOBAN CITY DISTRICT ENGINEERING OFFICE NEW BUS TERMINAL, BRGY. 91, ALCAY, TACLOBAN CITY	PROJECT NAME AND LOCATION:	SHEET CONTENTS:	DRAFTED:	REVIEWED:	SUBMITTED:	RECOMMENDED:	APPROVED:	SET NO.	SHEET NO.
	CONSTRUCTION OF MULTI-PURPOSE BUILDING, BARANGAY 82-B, TACLOBAN CITY	GROUND FLOOR PLAN SECOND FLOOR PLAN LOWER ROOFDECK PLAN UPPER ROOFDECK PLAN FRONT ELEVATION RIGHT-SIDE ELEVATION	DRAFTED: JHUNBERT D. ENERO ARCHITECT PREPARED BY: RYAN ADOL B. GILANG ENGINEERING ASSISTANT	REVIEWED: JOHN NICHOLAS BERTULFO ENGINEER DATE: 12/22/20	SUBMITTED: MARGARITA C. BACIERRA CHIEF, PLANNING AND DESIGN SECTION DATE: 1/22/21	RECOMMENDED: RAFAEL MATE ASSISTANT DISTRICT ENGINEER DATE: 1/22/21	APPROVED: REBECCA G. YUSE DISTRICT ENGINEER DATE: 1/22/21	SET NO. A	SHEET NO. 4 29

						
FINISH FLOOR LINE						
DESIGNATION	W 01		W 02	W 03	W 04	W 05
DESCRIPTION	CASEMENT TYPE WINDOW SWING ALUMINUM FRAME W/ FIXED GLASS WINDOW ABOVE		CASEMENT TYPE WINDOW SWING ALUMINUM FRAME W/ FIXED GLASS WINDOW ABOVE	CASEMENT TYPE AWNING WINDOW ALUMINUM FRAME	CASEMENT TYPE AWNING WINDOW ALUMINUM FRAME	CASEMENT TYPE AWNING WINDOW ALUMINUM FRAME
MATERIAL FINISH	6MM. THK. ORDINARY GLASS - ALUMINUM FRAME ANALOC FINISH		6MM. THK. ORDINARY GLASS - ALUMINUM FRAME ANALOC FINISH	6MM. THK. ORDINARY GLASS-ALUMINUM FRAME ANALOC FIN.	6MM. THK. ORDINARY GLASS-ALUMINUM FRAME ANALOC FIN.	6MM. THK. ORDINARY GLASS-ALUMINUM FRAME ANALOC FIN.
NO. OF SETS	04 SETS		01 SET	12 SETS	3 SETS	02 SET
LOCATION	GROUND FLR.-LOBBY AREA, 2ND FLR. SESSION HALL, WAITING AREA		GROUND FLR.-BRGY CHAIRMANS OFFICE, 2ND FLR. SESSION HALL	GRND. FLR.-OFFICE AREA, 2ND FLR.-SESSION HALL	GRND. FLR. PWD TOILET, 2ND FLR. PWD TOILET	GRND. FLR. PWD TOILET, 2ND FLR. SESSION HALL TOILET

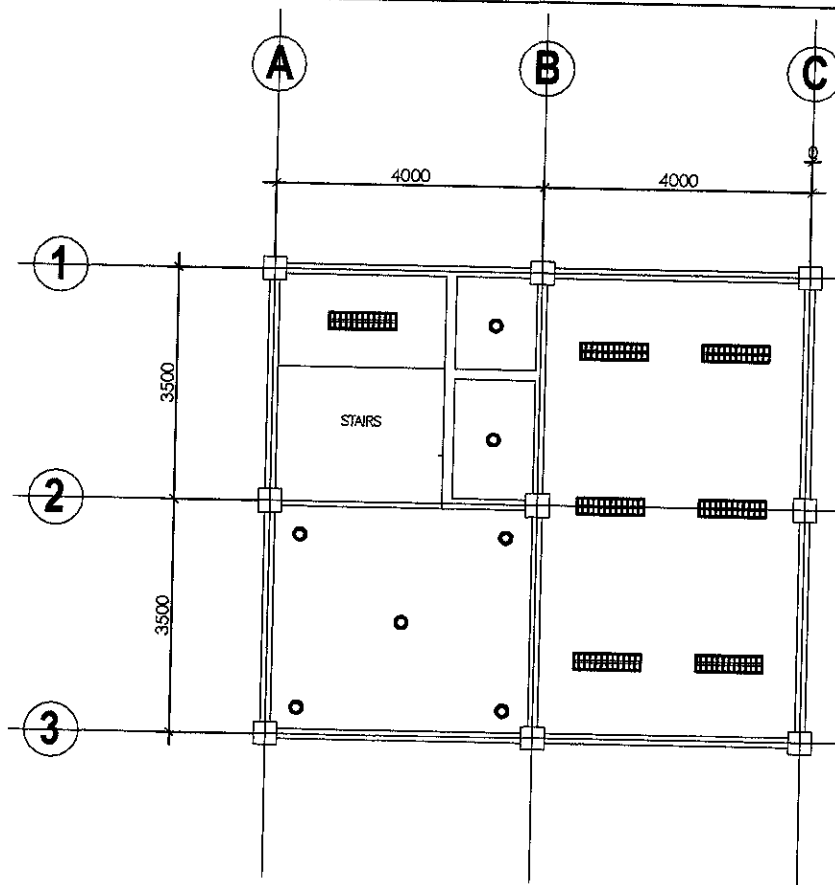
					
FINISH FLOOR LINE					
DESIGNATION	D 01	D 02	D 03	D 04	
DESCRIPTION	DOUBLE SWING GLASS DOOR ON ALUMINUM FRAMING W/ FIXED GLASS AND FIXED GLASS PANEL WINDOW	DOUBLE SWING GLASS DOOR	SOLID PANEL DOOR ON 50x100mm THK. WOOD DOOR JAMB	PVC HOLLOW CORE FLUSH TYPE SWING DOOR W/ PVC LOUVER	
MATERIAL FINISH	6MM. THK. ORDINARY GLASS - ALUMINUM FRAME - ANALOC FINISH	6MM. THK. ORDINARY GLASS - ALUMINUM FRAME ANALOC FINISH	COMPLETE W/ HARDWARES & ACCESSORIES	COMPLETE W/ HARDWARES & ACCESSORIES-LEVER TYPE LOCKSET	
NO. OF SETS	01 SET	02 SET	02 SETS	01 SET	
LOCATION	GROUND FLR. - MAIN ENTRANCE	SECOND FLR. - SESSION HALL	GROUND FLR. - OFFICE AND PANTRY AREA	GROUND. FLR. - PWD TOILET	

			
FINISH FLOOR LINE			
DESIGNATION	D 05	D 06	D 07
DESCRIPTION	PVC HOLLOW CORE FLUSH TYPE SWING DOOR	PVC HOLLOW CORE FLUSH TYPE SWING DOOR W/ PVC LOUVER	SINGLE SWING HOLLOW CORE STEEL DOOR WITH STEEL JAMB
MATERIAL FINISH	COMPLETE W/ HARDWARES, LOCKSET & ACCESSORIES	COMPLETE W/ HARDWARES, LOCKSET & ACCESSORIES	COMPLETE W/ HARDWARES, LOCKSET & ACCESSORIES - PAINTED FINISH
NO. OF SETS	3 SETS	01 SET	01 SET
LOCATION	GRND. FLR.-STORAGE AREA & 2ND FLR.-RECORDS RM.	SECOND FLR. - TOILET	ROOFDECK DOOR

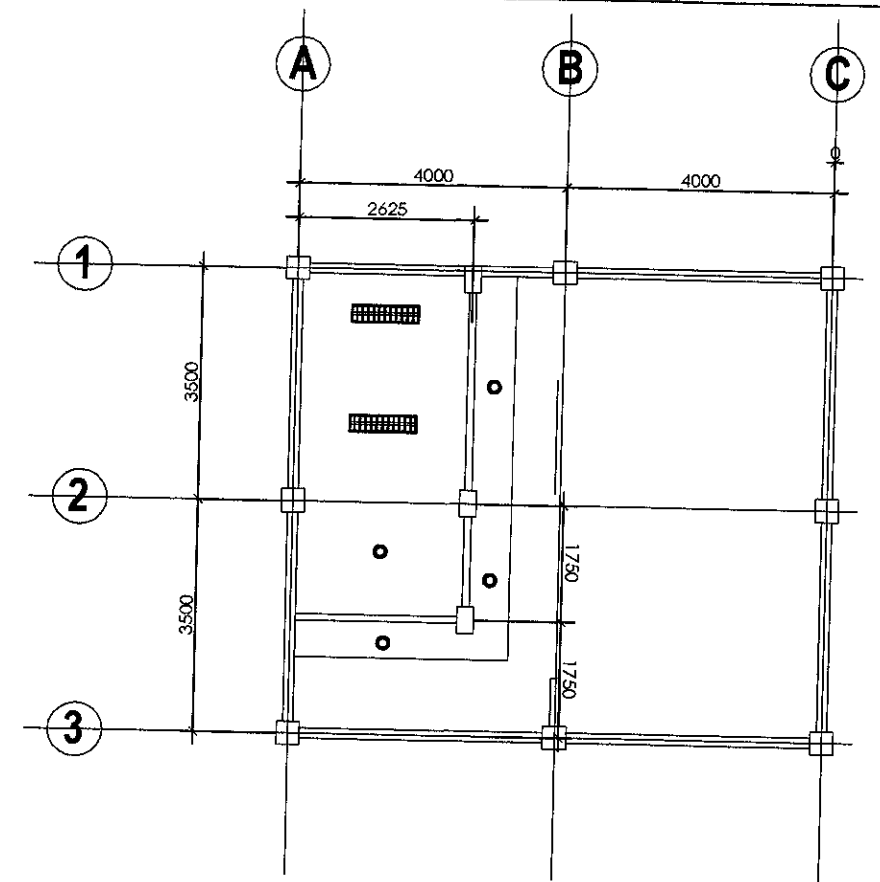
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A 5 DOORS & WINDOWS SCHEDULE SCALE: 1"=60M.



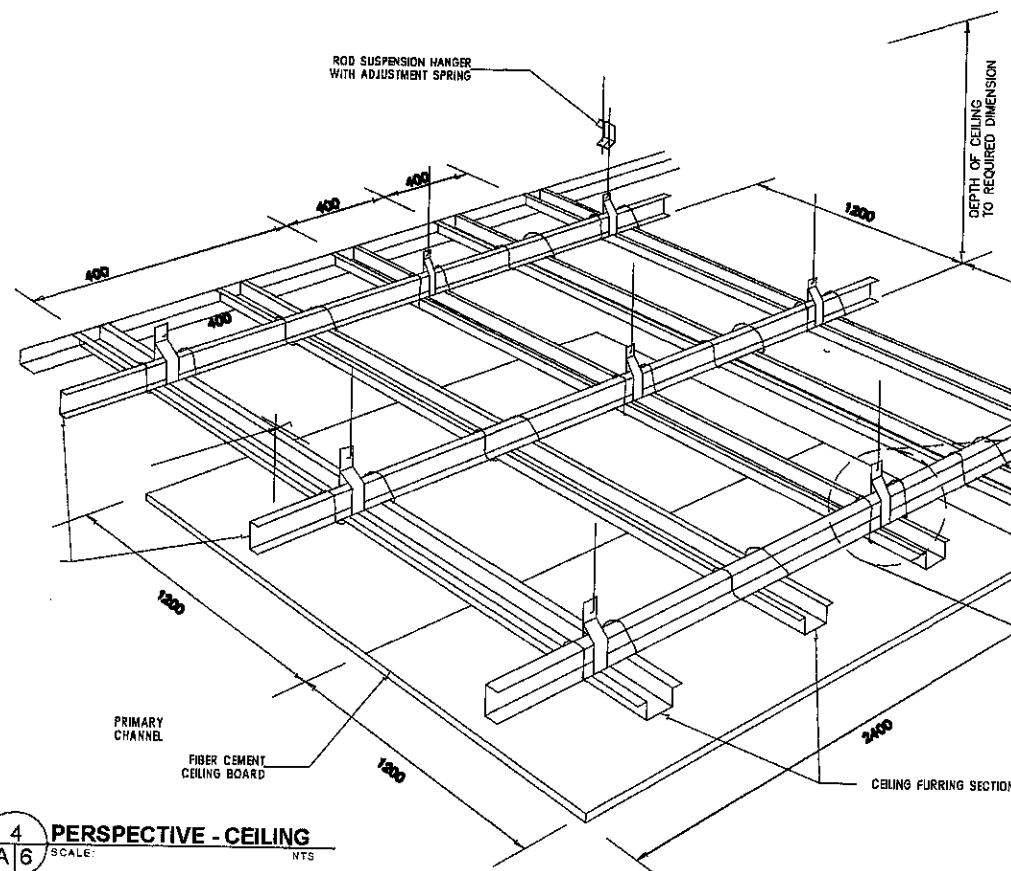
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A6
GROUND FLOOR
REFLECTED CEILING PLAN
SCALE: 1:50M.



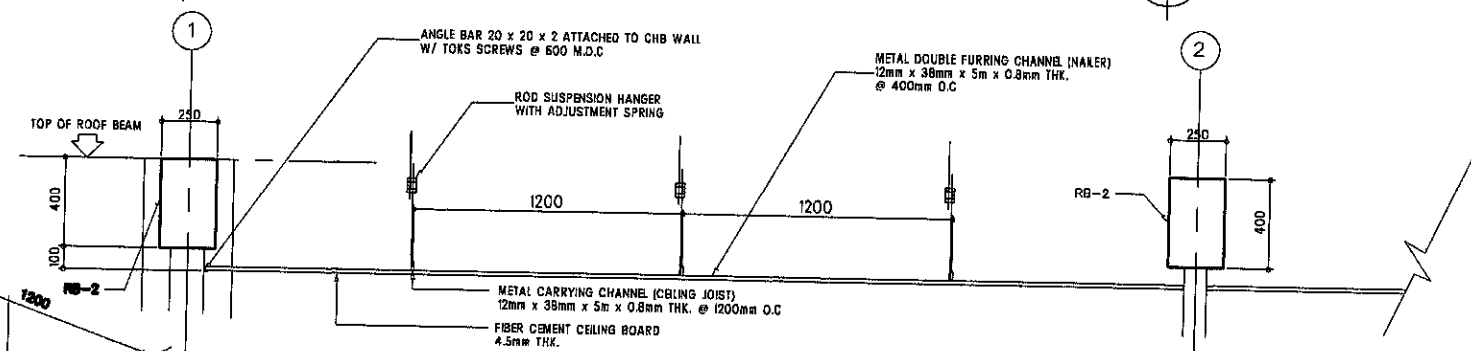
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SECOND FLOOR
REFLECTED CEILING PLAN
SCALE: 1:50M.



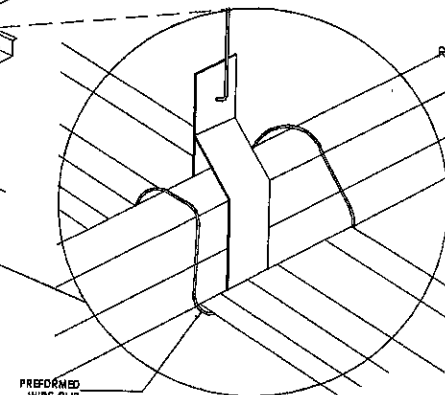
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UPPER FLOOR
REFLECTED CEILING PLAN
SCALE: 1:50M.



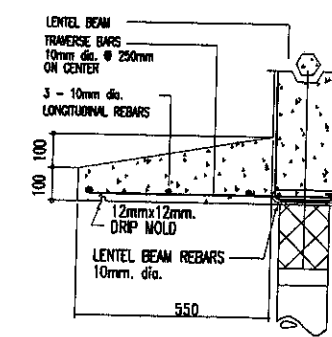
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A6
PERSPECTIVE - CEILING
SCALE: NTS



6
A6
SECTION DETAIL - CEILING
SCALE: NTS



5
A6
SPOT - DETAIL
SCALE: NTS



7
A6
DETAIL OF
CONC. SUN BREAKER
SCALE: NTS



REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
REGIONAL OFFICE VII
TACLOBAN CITY DISTRICT
ENGINEERING OFFICE
NEW BUS TERMINAL, BRGY. 91, ABUCAY, TACLOBAN CITY

PROJECT NAME AND LOCATION:
CONSTRUCTION OF
MULTI-PURPOSE BUILDING,
BARANGAY 62-B, TACLOBAN CITY

SHEET CONTENTS:
REFLECTIVE CEILING PLAN
PERSPECTIVE - CEILING
SECTION DETAIL - CEILING
DETAIL OF CONC. SUN BREAKER
SPOT DETAIL

DRAFTED:
JHUNBERT D. ENERO
ARCHITECT
PREPARED BY:
RYAN ADOLFO B. GILANG
ENGINEERING ASSISTANT

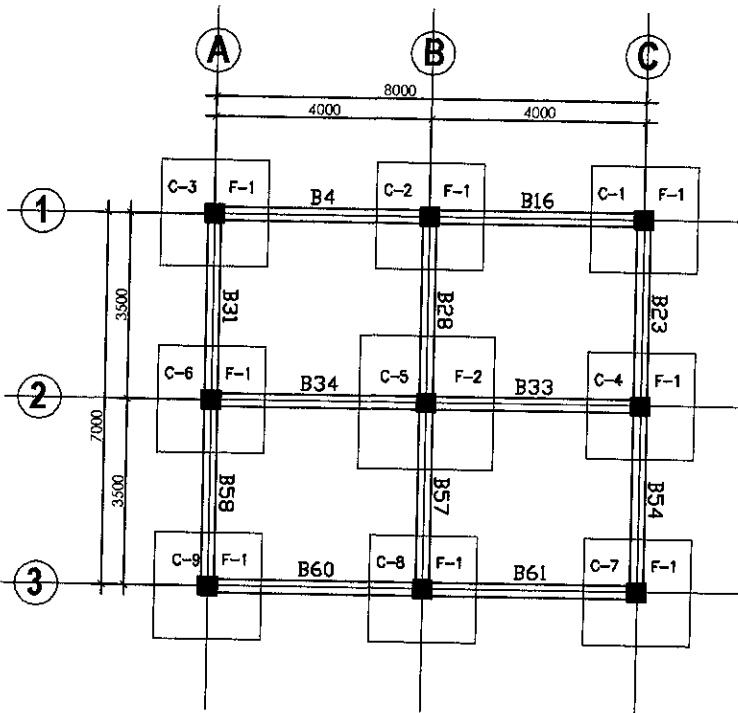
REVIEWED:
JOHN MICHAEL D. BERTULFO
ENGINEER
DATE: 1/22/20

SUBMITTED:
MARGARITA C. BACIERRA
CHIEF, PLANNING AND DESIGN SECTION
DATE: 1/22/20

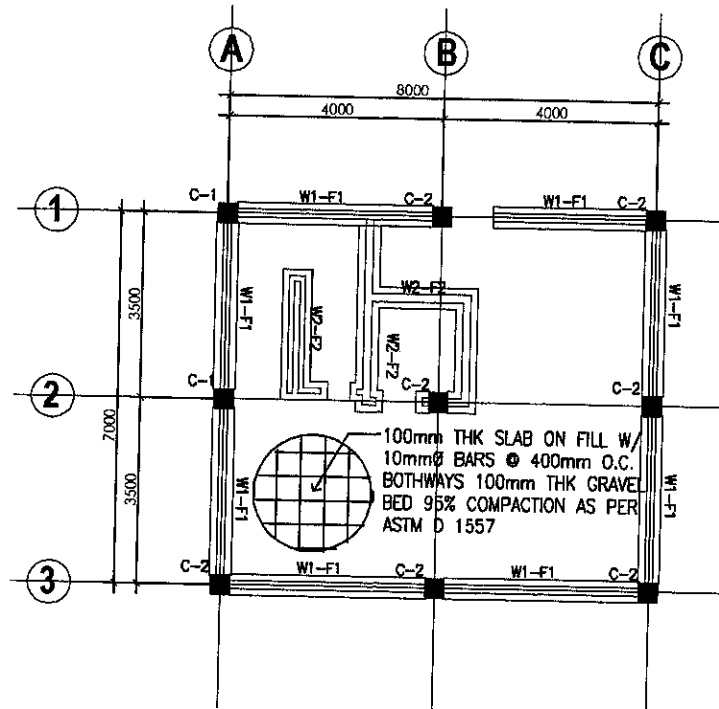
RECOMMENDED:
RAY P. DATE
ASSISTANT DISTRICT ENGINEER
DATE: 1/22/20

APPROVED:
REBECCA G. YUSE
DISTRICT ENGINEER
DATE: 1/22/20

SET NO. SHEET NO.
A 7
6 29

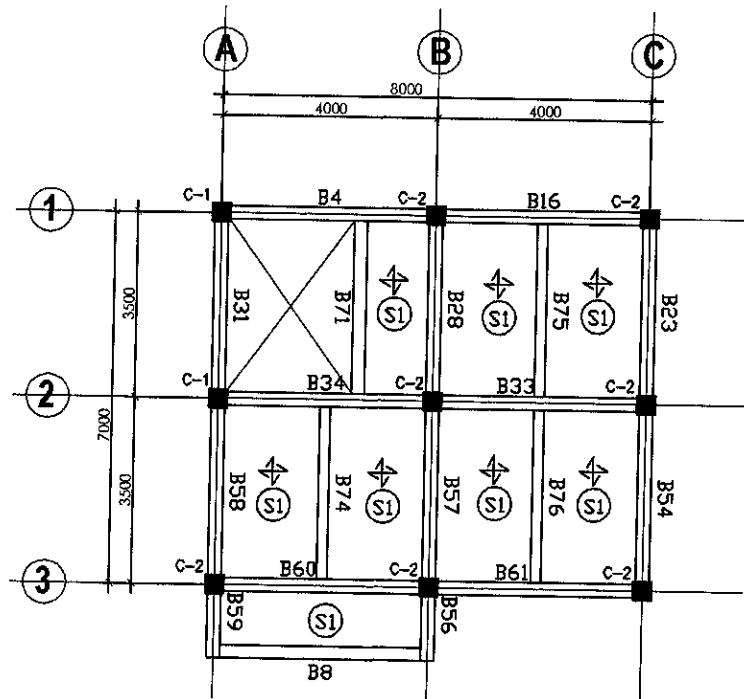


1 FOUNDATION PLAN
SCALE: 1:100M

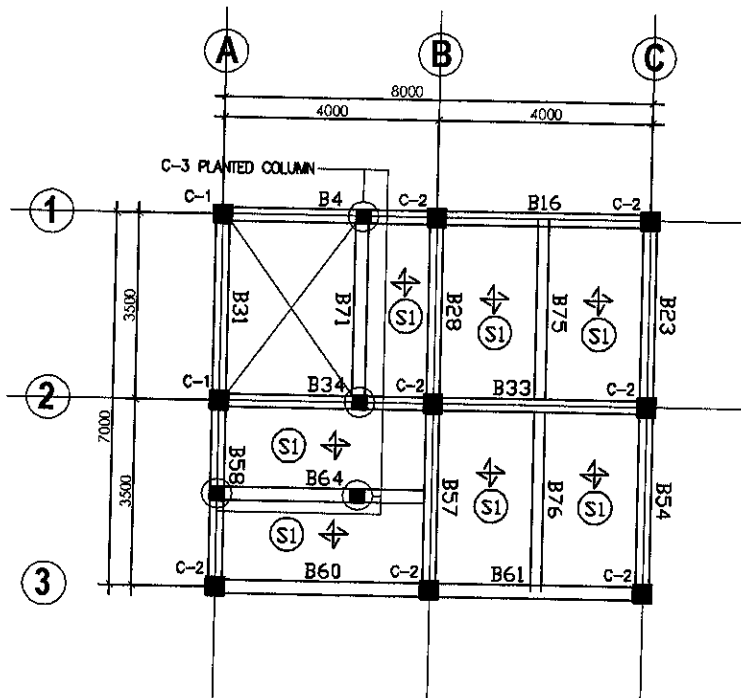


1 GROUND FLOOR WALL FOOTING DETAIL PLAN
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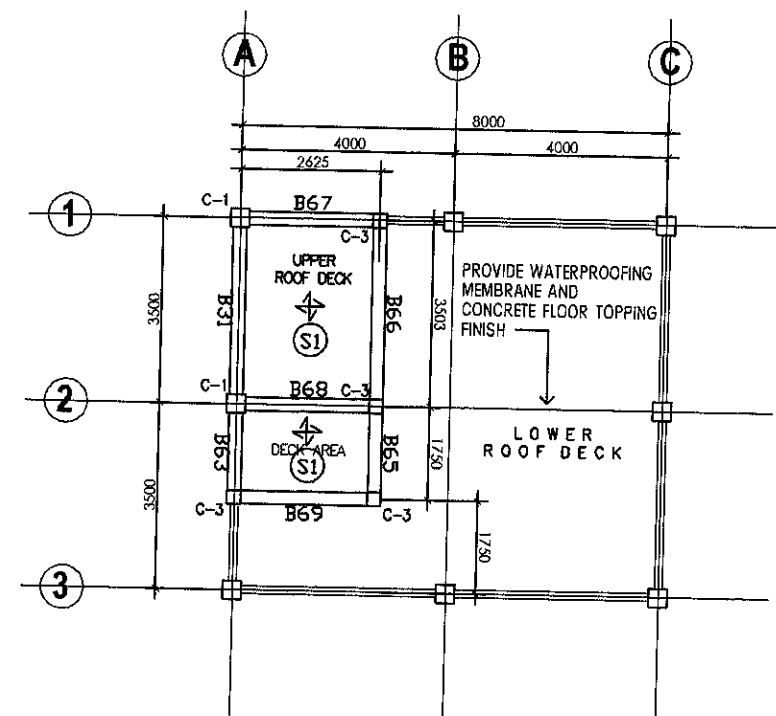
Concrete Cylinder Strength, f_c' at 28 days:	
Columns, Footings and Slab on Grade	21.00 MPa (3000 psi)
Beams and Suspended Slabs	21.00 MPa (3000 psi)
Reinforcing Bars, F_y :	
12 mm dia. & above (Grade 40)	275.00 MPa (40 ksi)
10 mm dia. & below (Grade 40)	275.00 MPa (40 ksi)
Structural Steel, ASTM A36, F_y	
Cold Formed Steel, ASTM 33 Grade, F_y	248.00 MPa (36 ksi)
	230.00 MPa (33 ksi)



3 SECOND FLOOR FRAMING PLAN
SCALE: 1:100M



3 LOWER ROOFDECK FRAMING PLAN
SCALE: 1:100M



3 UPPER ROOFDECK FRAMING PLAN
SCALE: 1:100M



REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
REGIONAL OFFICE No. VII
TACLOBAN CITY DISTRICT
ENGINEERING OFFICE
NEW BUS TERMINAL, BRGY 91, ABUCAY, TACLOBAN CITY

PROJECT NAME AND LOCATION:

CONSTRUCTION OF
MULTI-PURPOSE BUILDING,
BARANGAY 02-B, TACLOBAN CITY

SHEET CONTENTS:

FOUNDATION PLAN
GROUND FLOOR WALL FOOTING DETAIL PLAN
SECOND FLOOR FRAMING PLAN
LOWER ROOFDECK FRAMING PLAN
UPPER ROOFDECK FRAMING PLAN

DRAFTED:

JHUNBERT D. ENERO
ARCHITECT I

REVIEWED:

JOHN NICHOLAS G. BERTULFO
ENGINEER

SUBMITTED:

MARGARITA C. BACIERRA
CHIEF PLANNING AND DESIGN SECTION

RECOMMENDED:

RAYMUNDA
ASSISTANT DISTRICT ENGINEER

LENIELLE BABON AMATOSA
STRUCTURAL ENGINEER

LICENSE NO. _____

PTR NO. _____

DATE ISSUED: _____

PLACE ISSUED: _____

TIN: _____

APPROVED: _____

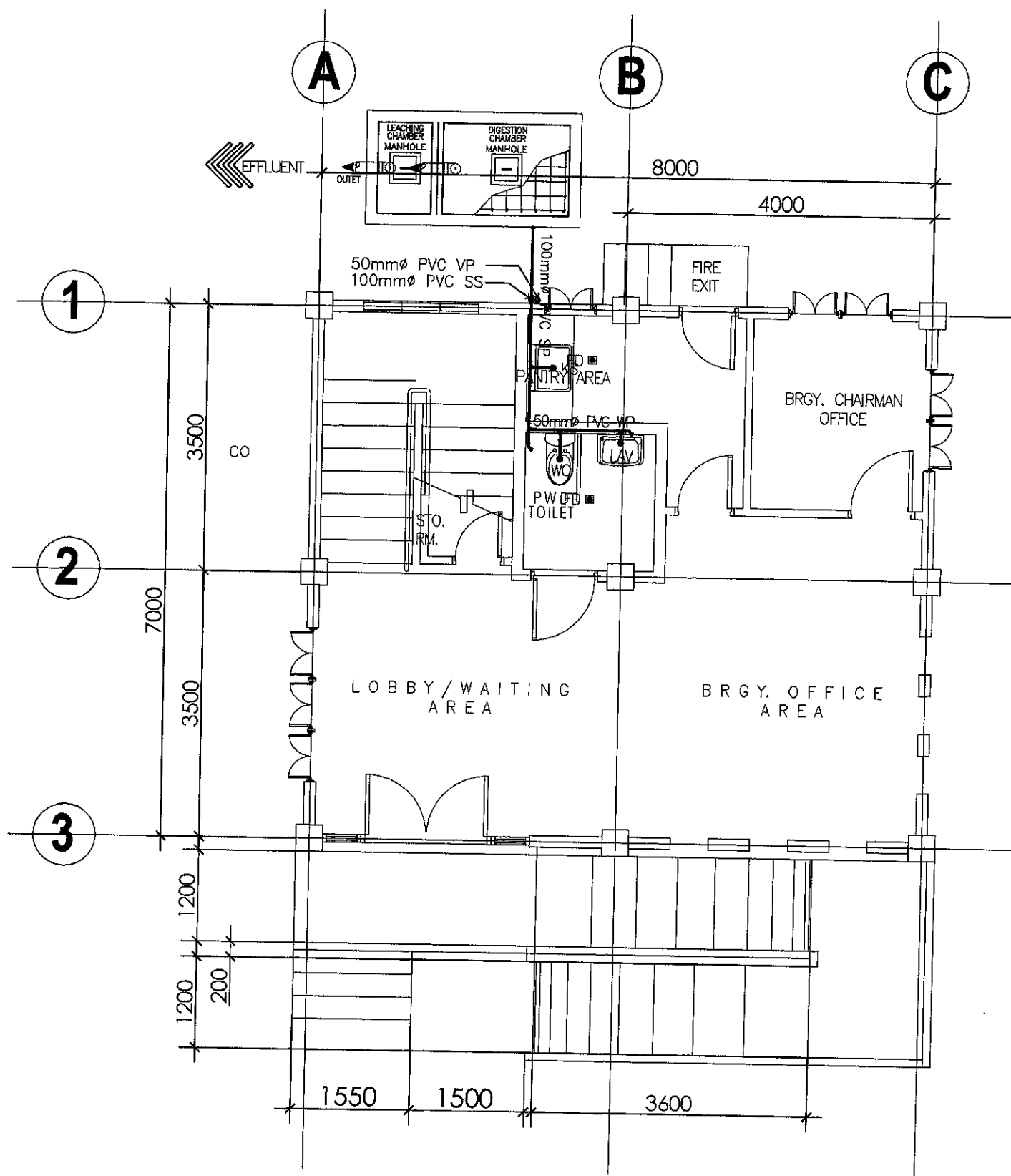
REBECCA G. YUSE
DISTRICT ENGINEER

DATE: 1/22/20

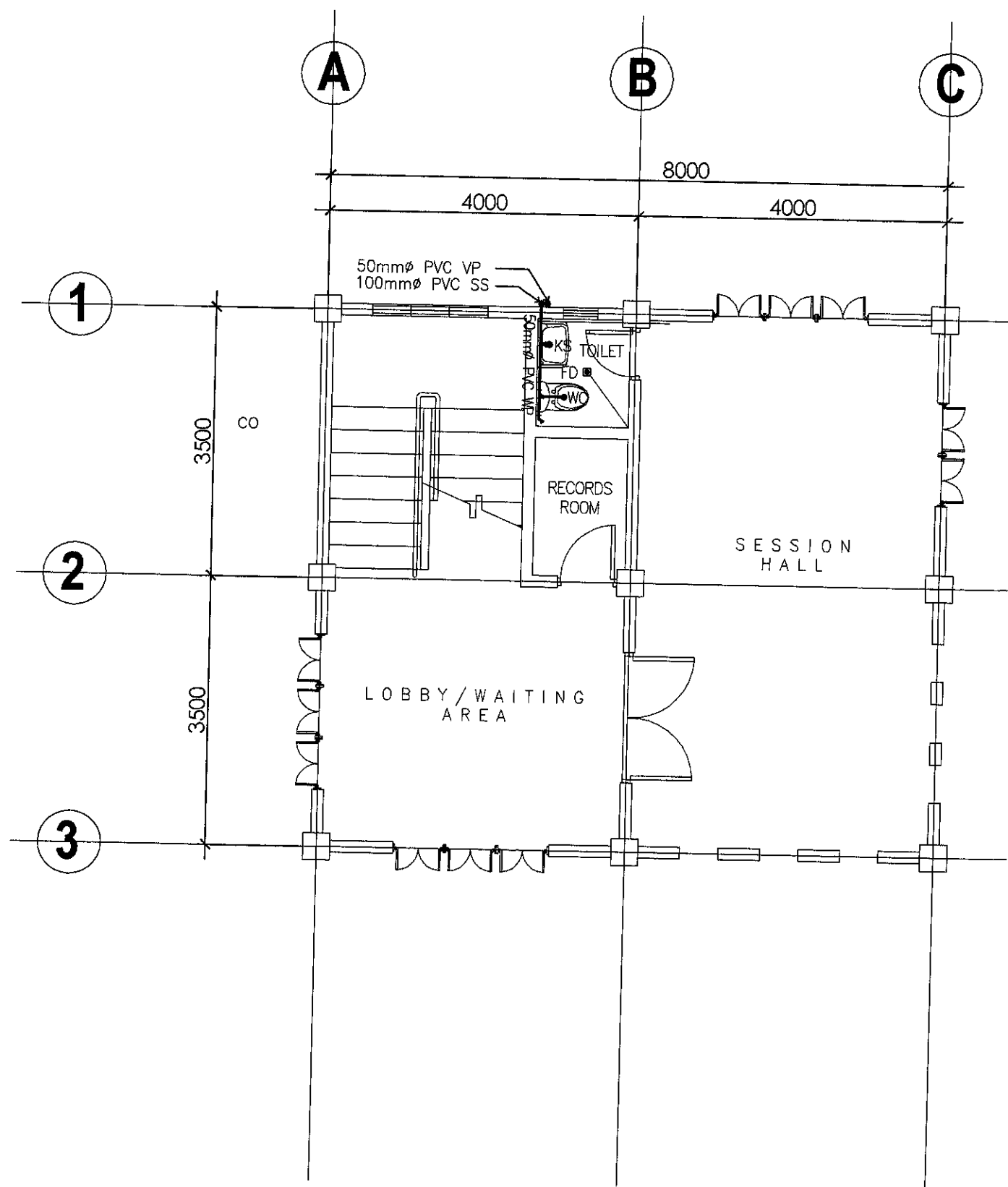
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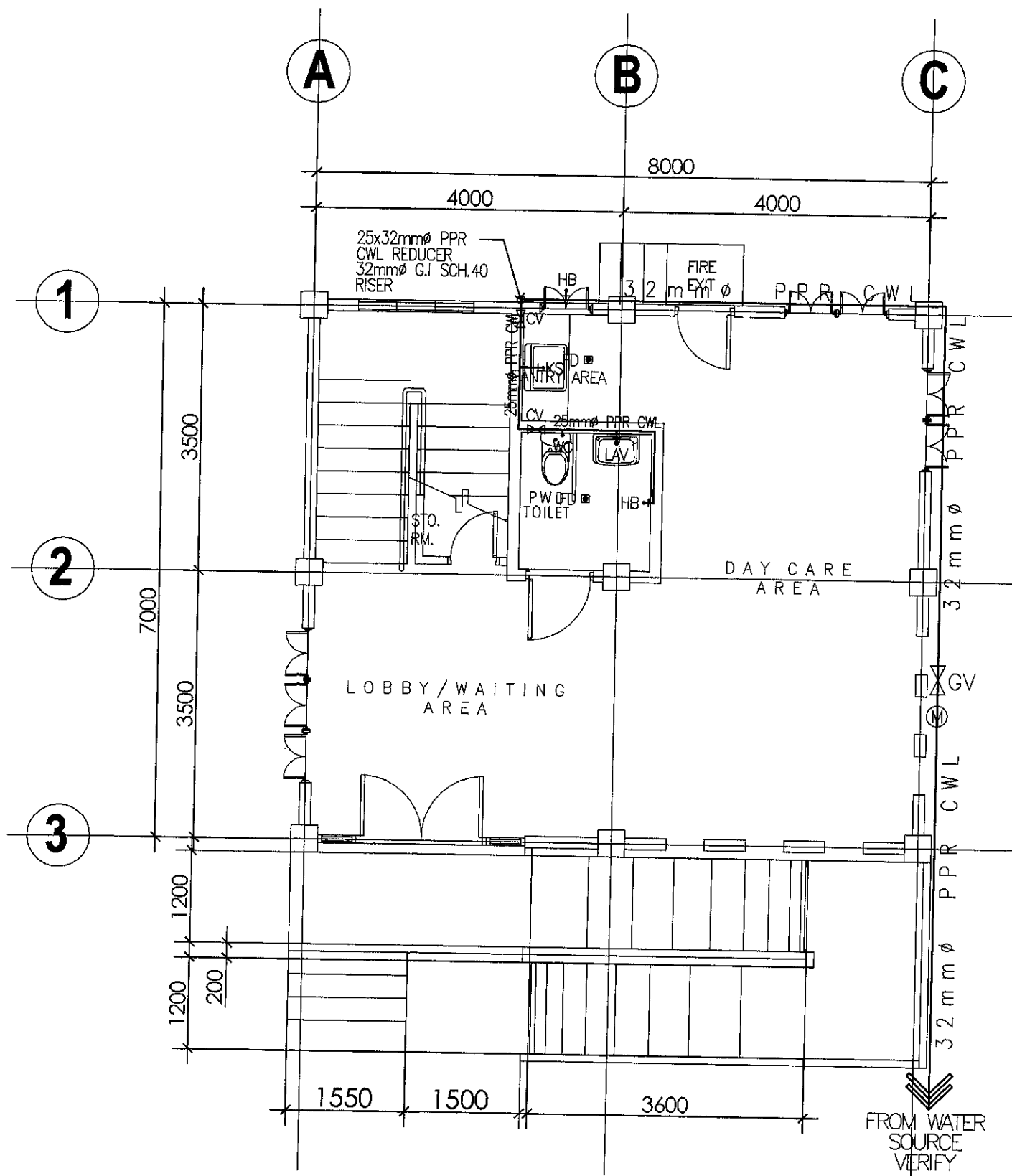


1
P/2
GROUND FLOOR
SANITARY LINE LAYOUT PLAN
SCALE: 1:80M.

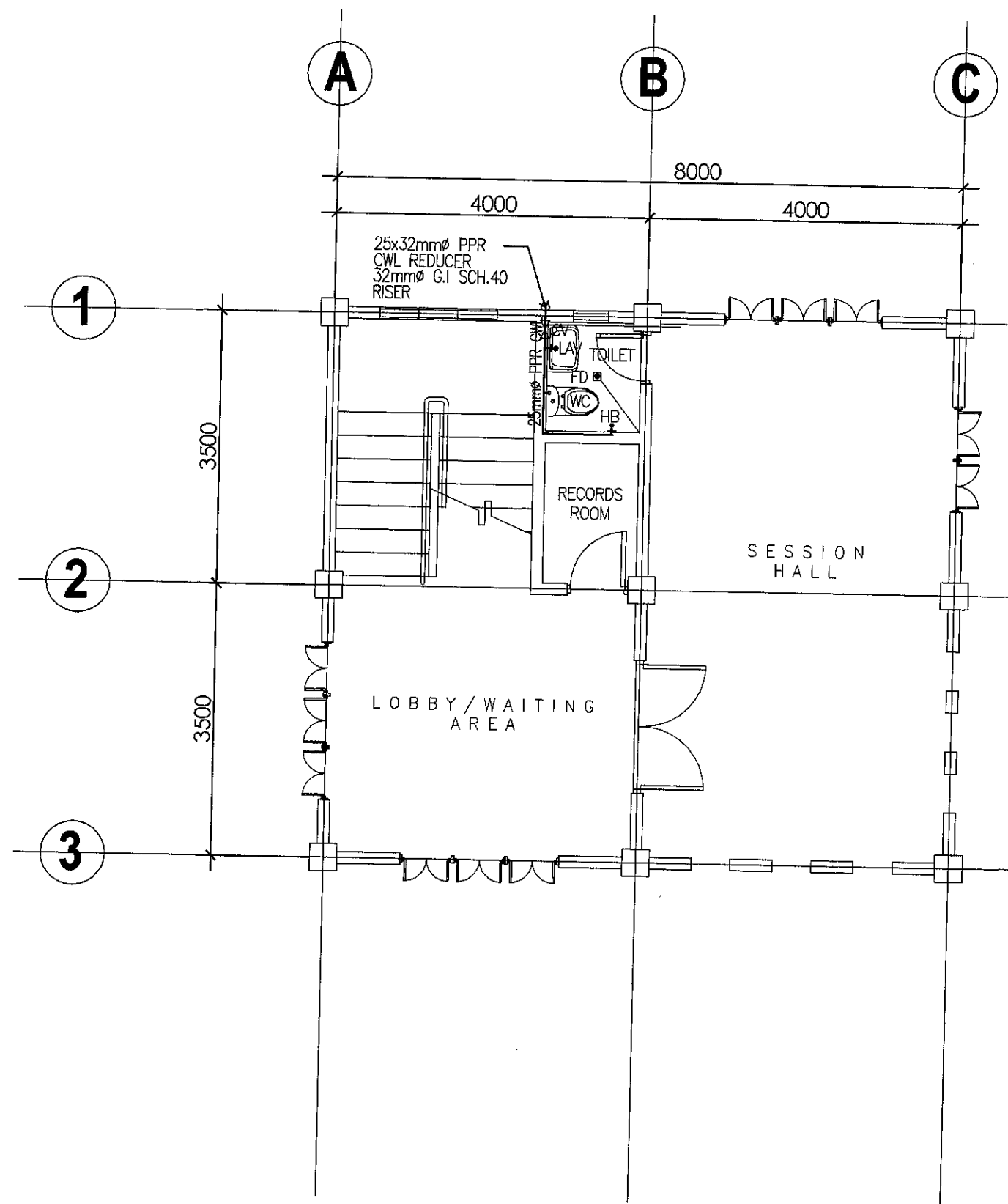


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P/2
SECOND FLOOR
SANITARY LINE LAYOUT PLAN
SCALE: 1:80M.

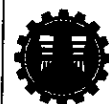
 REPUBLIC OF THE PHILIPPINES DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS REGIONAL OFFICE No. VII TACLOBAN CITY DISTRICT ENGINEERING OFFICE NEW BUS TERMINAL, BRGY 51, ABUCAY, TACLOBAN CITY	PROJECT NAME AND LOCATION:	SHEET CONTENTS:	DRAFTED:	REVIEWED:	SUBMITTED:	RECOMMENDED:	APPROVED:	SET NO.	SHEET NO.
	CONSTRUCTION OF MULTI-PURPOSE BUILDING, BARANGAY 62-B, TACLOBAN CITY	GROUND FLOOR - SANITARY LINE LAYOUT SECOND FLOOR - SANITARY LINE LAYOUT	JHUNBERT B. ENERO ARCHITECT I	JOHN NICHOLE G. PESTULFO ENGINEER	MARGARITA C. BACIERRA CHIEF, PLANNING AND DESIGN SECTION	RAYMOND G. DATE ASSISTANT DISTRICT ENGINEER	REBECCA G. YUSE DISTRICT ENGINEER	P 2 5	16 29
			TED BRYAN A. BACOR ENGINEER II / MASTER PLUMBER	DATE: 12/2/20	DATE: 12/2/20	DATE: 12/2/20	DATE: 12/2/20	DATE: 12/2/20	



1
P 3
GROUND FLOOR
WATER LINE LAYOUT PLAN
SCALE: 1:80M.



1
P 3
SECOND FLOOR
WATER LINE LAYOUT PLAN
SCALE: 1:80M.



REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
REGIONAL OFFICE No. VII
TACLOBAN CITY DISTRICT
ENGINEERING OFFICE
NEW BUS TERMINAL, BRGY. 01, ABUCAY, TACLOBAN CITY

PROJECT NAME AND LOCATION:

CONSTRUCTION OF
MULTI-PURPOSE BUILDING,
BARANGAY 02-B, TACLOBAN CITY

SHEET CONTENTS:

GROUND FLOOR - WATER LINE LAYOUT
SECOND FLOOR - WATER LINE LAYOUT

DRAFTED:

JHUNBERT O. ENERO
ARCHITECT I

PREPARED BY:

TED BRYAN A. BACOR
ENGINEER II / MASTER PLUMBER

REVIEWED:

JOHN NICHOLE S. BERTULFO
ENGINEER

DATE:

1/22/20

SUBMITTED:

MARGARITA C. BACIERRA
CHIEF PLANNING AND DESIGN SECTION

DATE:

1/22/20

RECOMMENDED:

RAY P. DATE
ASSISTANT DISTRICT ENGINEER

DATE:

1/22/20

APPROVED:

REBECCA G. YUSE
DISTRICT ENGINEER

DATE:

1/22/20

SET NO

P

3

SHEET NO.

17

29

