

DRAWING LIST	
SHEET	CONTENTS
Page 01 -A	SITE DEVELOPMENT PLAN PERSPECTIVE LOT PLAN VICINITY MAP
Page 02 -A	GROUND FLOOR PLAN REFLECTED ROOF PLAN
Page 03 -A	FRONT, RIGHT, LEFT & REAR ELEVATION
Page 04 -A	SECTION THRU-A SECTION THRU-B SCHEDULE OF DOORS AND WINDOWS
Page 05 -S	STRUCTURAL NOTES
Page 06 -S	FOOTING & FOUNDATION PLAN FOOTING DETAILS
Page 07 -S	FOOTING SCHEDULE
Page 08 -S	ROOF BEAM FRAMING PLAN BEAM DETAILS
Page 09 -S	BEAM SCHEDULE
Page 10 -S	COLUMN FRAMING PLAN & WALL FOOTING SECTION DET, COLUMN DETAILS & COLUMN & WALL SCHEDULES
Page 11 -S	TRUSS DETAILS, SAGRODS , RAMP, STAIRS & RAILINGS DET
Page 12 -E	FLOOR LIGHTING LAYOUT FLOOR POWER LAYOUT LEGEND
Page 13 -E	SCHEDULE OF LOADS MISCELLANEOUS DETAILS VICINITY MAP
Page 14 -P	FLOOR SANITARY LAYOUT FLOOR WATER LINE LAYOUT
Page 15 -P	ISOMETRIC LAYOUT MISCELLANEOUS DETAILS
Page 16 -P	SPECIFICATION, MISCELLANEOUS DETAILS & VICINITY MAP

REPUBLIC OF THE PHILIPPINES  
**O B O**  
 OFFICE OF THE BUILDING OFFICIALS  
 PAGADIAN CITY

**LAND USE AND ZONING:**  
 APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_

**LINE AND GRADE:**  
 APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_

**ARCHITECTURAL:**  
 APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_

**STRUCTURAL**  
 APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_

**ELECTRICAL**  
 APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_

**MICHAICAL**  
 APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_

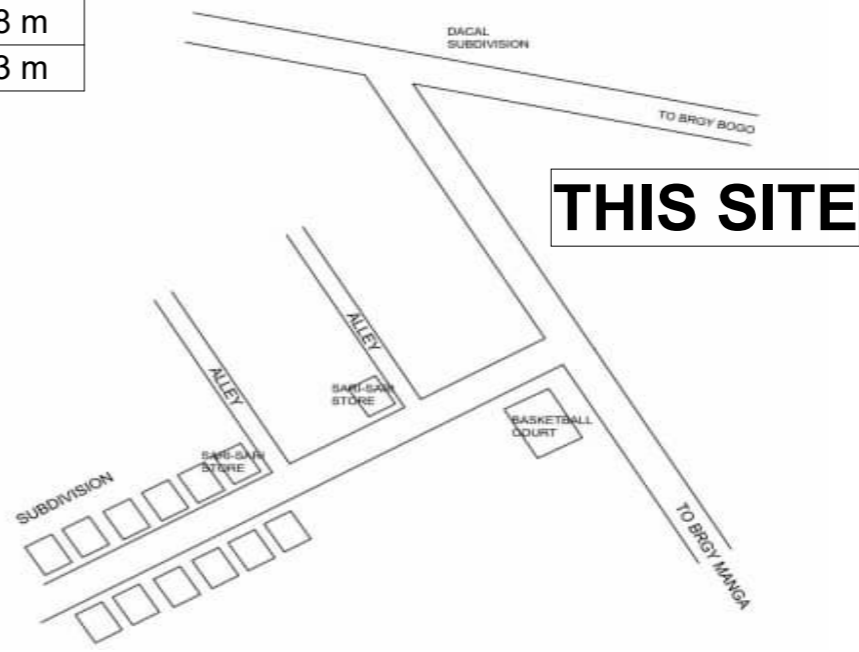
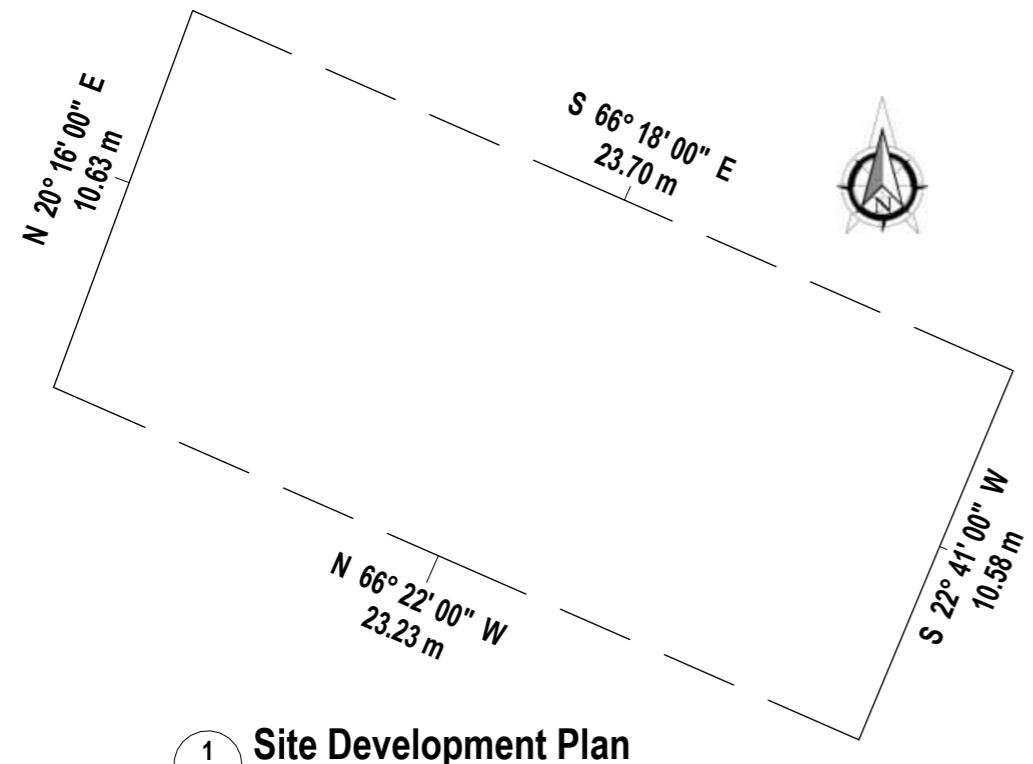
**PLUMBING & SANITARY**  
 APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_

**FIRE AND SAFETY**  
 APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_

**CITY MAYOR**  
 APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_

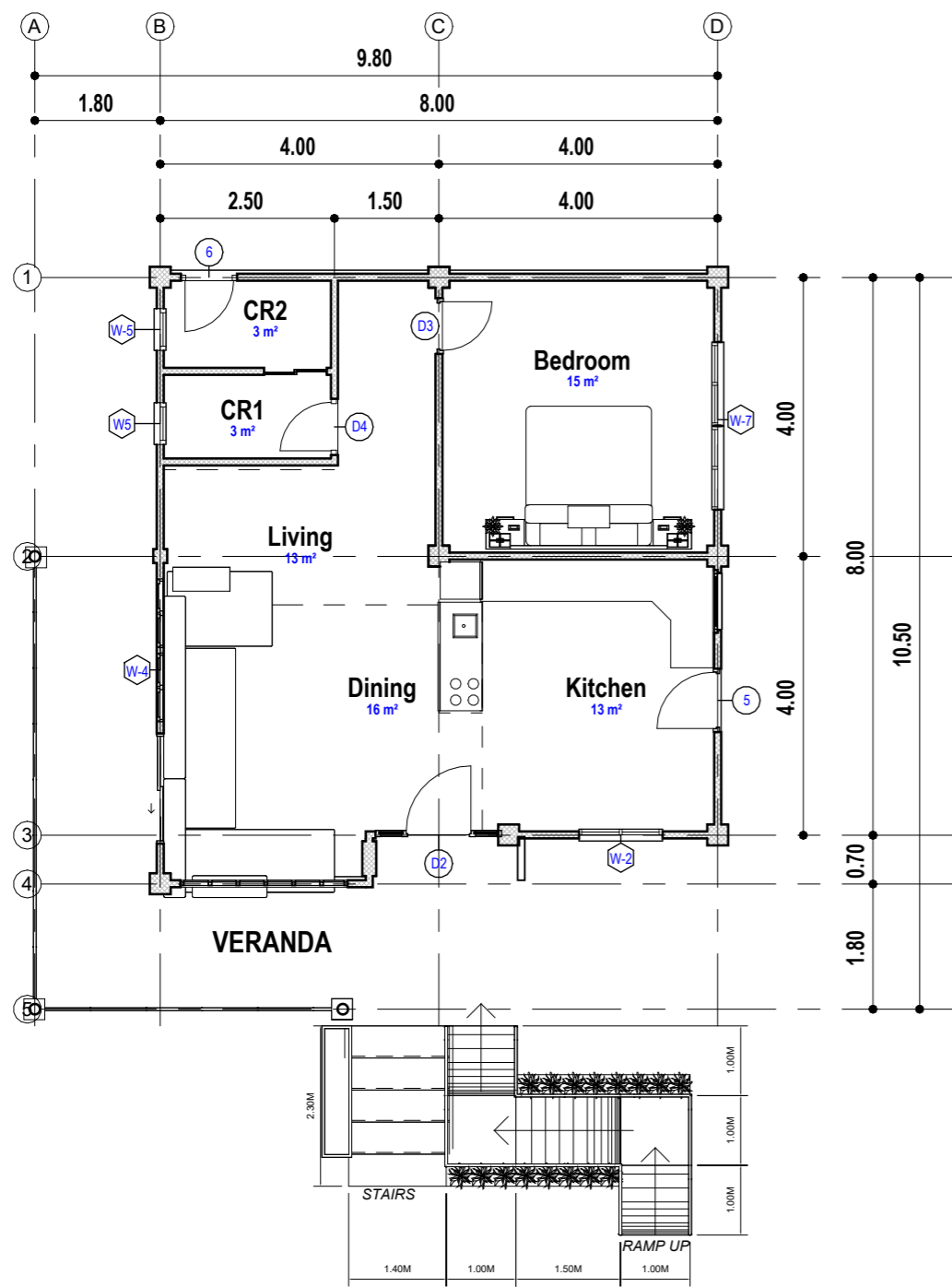
**PERSPECTIVES**  
 SCALE NTS.

Lot Technical Description				
LINE	N/ S	Bearing	E/ W	Distance
1-2	N	20° 16' 00"	E	10.63 m
2-3	S	66° 18' 00"	E	23.70 m
3-4	S	22° 41' 00"	W	10.58 m
4-1	N	66° 22' 00"	W	23.23 m



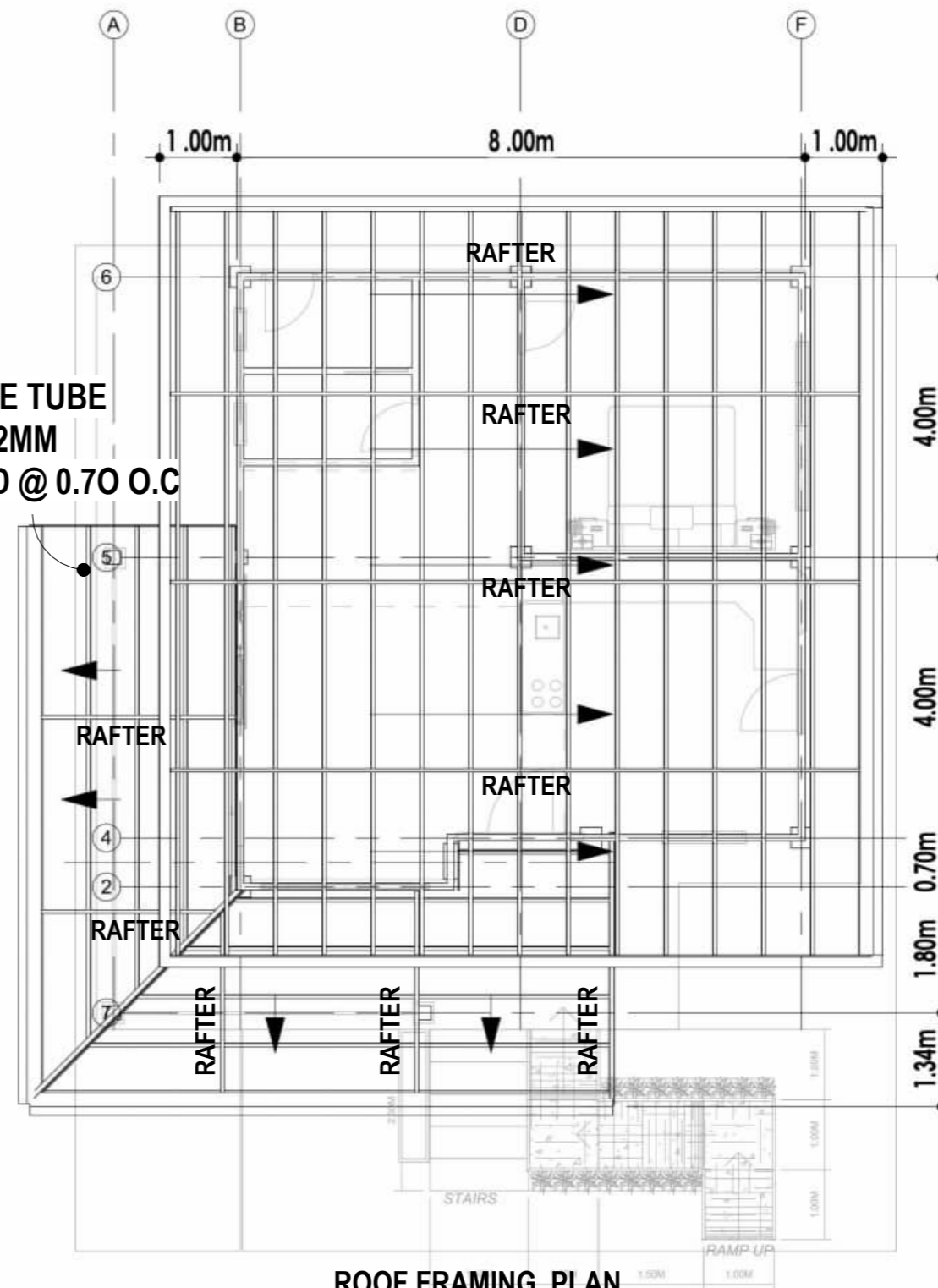
**1 Site Development Plan**  
 Page 01-A SCALE 1 : 200

PREPARED BY:	PRC NO.: <b>0117615</b>	SEAL	PROJECT TITLE :	CONFORMED BY :	Sheet no.
<b>ENGR. JEFFRY S. PAMERON</b> Civil Engineer	PTR NO.: <b>3751243</b>		<b>CONSTRUCTION OF ONE STOREY RESIDENTIAL BUILDING</b>	<b>MR. RONDEL S. TAC-AN</b> Owner / Applicant	<b>A</b> 1 16
	Date issued : <b>1/4/2023</b>				
	Issued at : <b>Pag. City</b>				
	Valid Until: <b>3/8/2025</b>				
Location: <b>Mahayahay Subdivision, Dao, Pagadian City</b>			DRAWN BY: EDGAR D. CASEÑAS 09383120747		



**1 FLOOR PLAN**  
 Page 02-A SCALE 1:100

SWUARE TUBE  
 2X2X 1.2MM  
 SPACED @ 0.70 O.C



**ROOF FRAMING PLAN**  
 SCALE 1:100 MTS

PREPARED BY:

**ENGR. JEFFRY S. PAMERON**  
 Civil Engineer

PRC NO.: **0117615**

PTR NO.: **3751243**

Date issued : **1/4/2023**

Issued at : **Pag. City**

Valid Until: **3/8/2025**

SEAL

PROJECT TITLE :

**CONSTRUCTION OF ONE STOREY  
 RESIDENTIAL BUILDING**

Location: Mahayahay Subdivision, Dao, Pagadian City

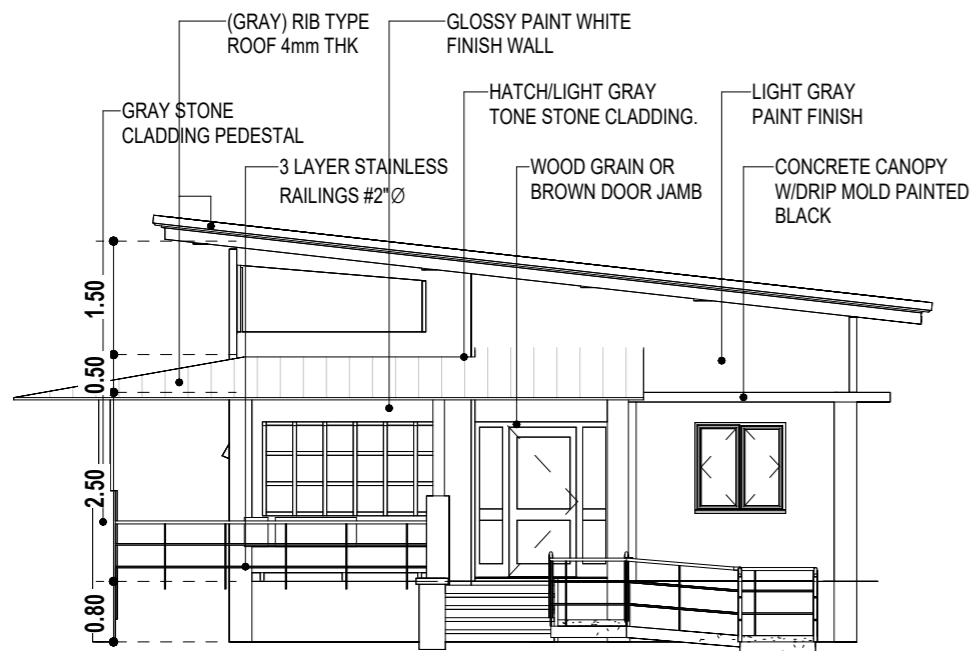
CONFORMED BY :

**MR. RONDEL S. TAC-AN**  
 Owner / Applicant

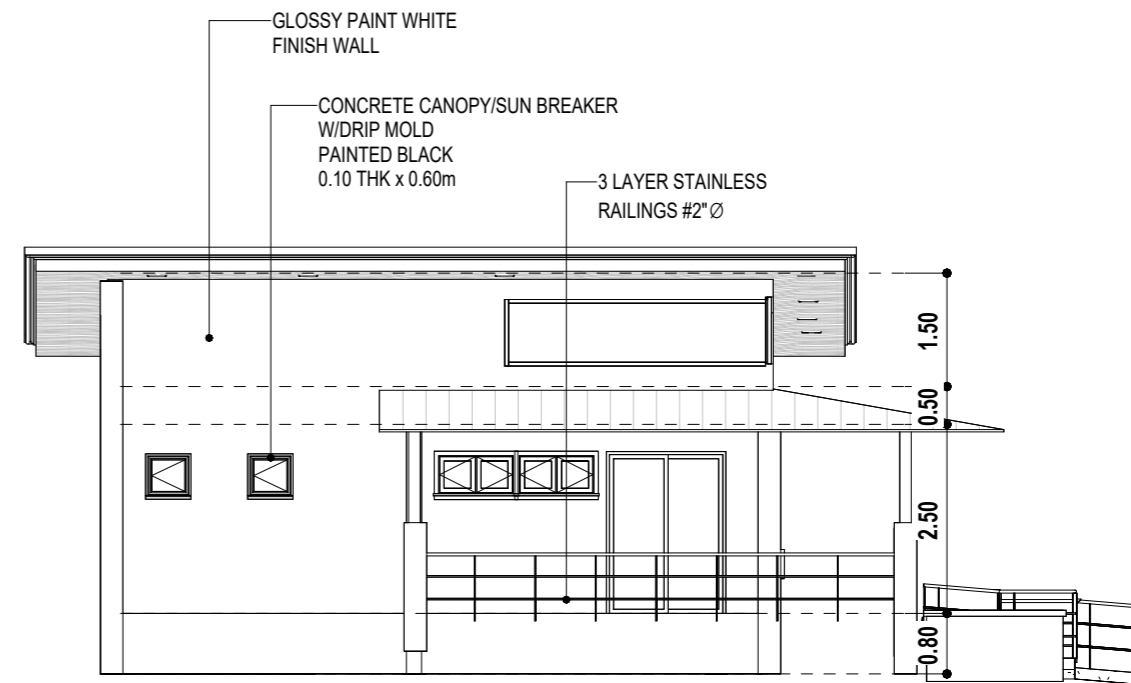
Sheet no.

**A**  
**2 16**

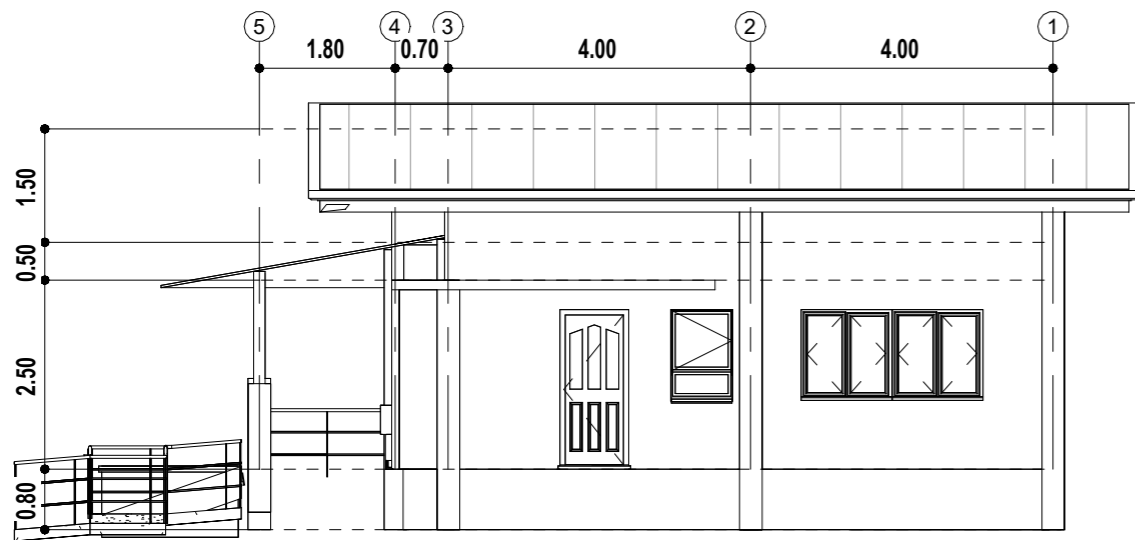
DRAWN BY: EDGAR D. CASEÑAS 09383120747



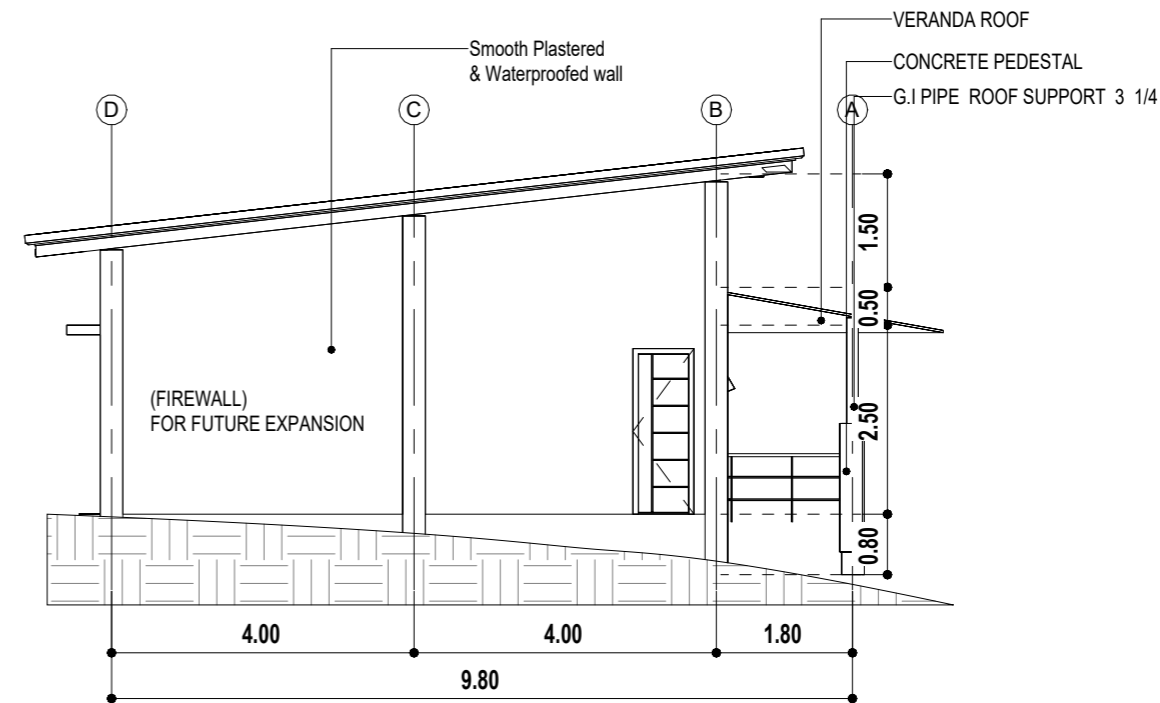
**1 FRONT ELEVATION**  
Page 03-A SCALE 1:100



**2 LEFT ELEVATION**  
Page 03-A SCALE 1:100

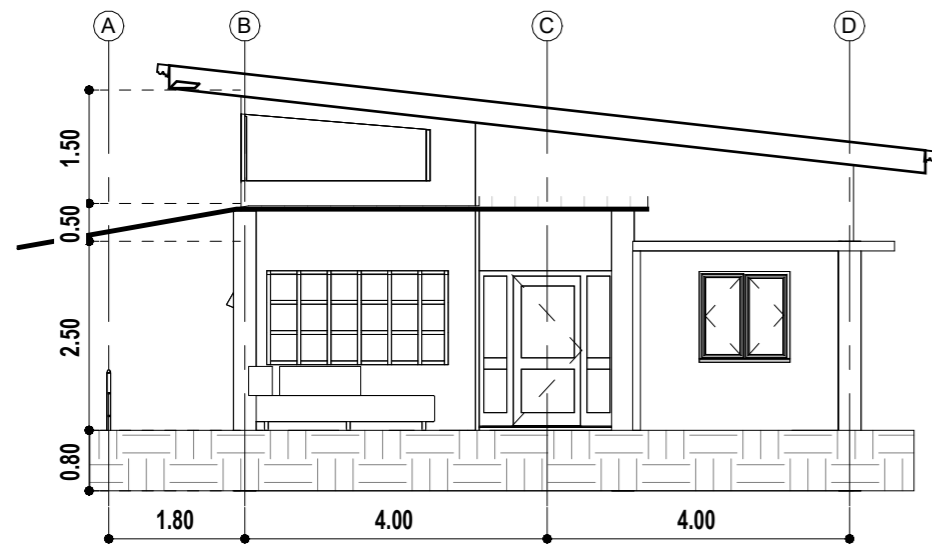


**3 RIGHT ELEVATION**  
Page 03-A SCALE 1:100



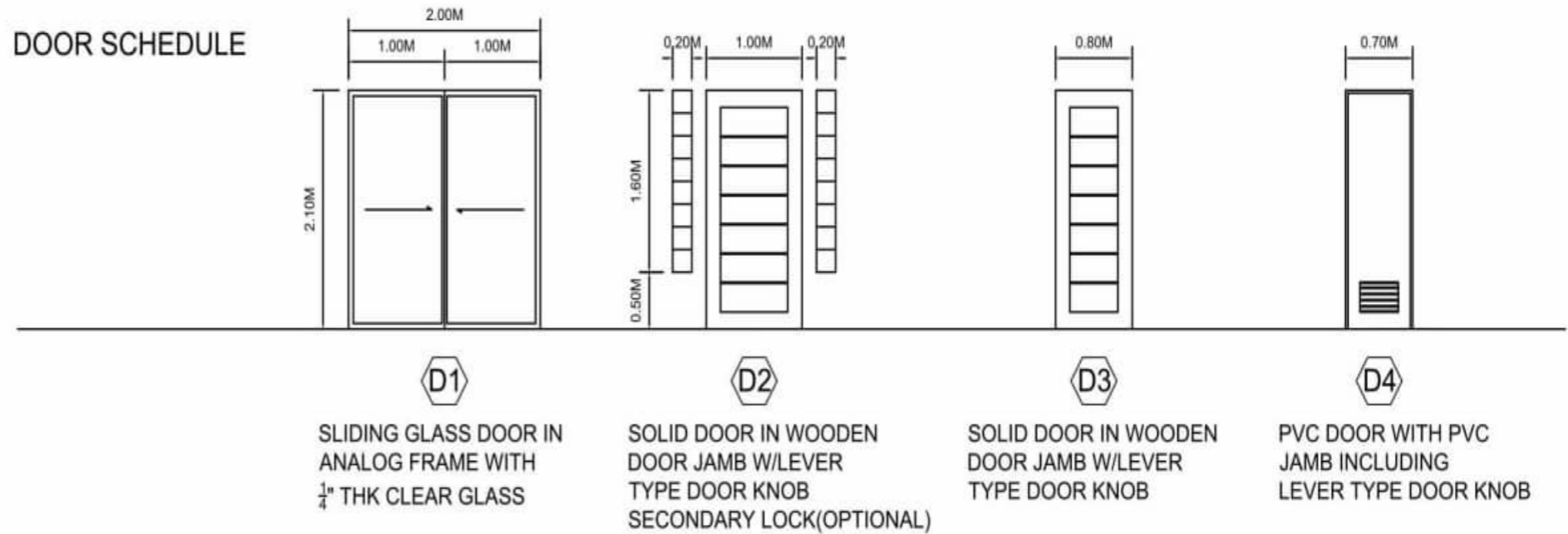
**4 REAR ELEVATION**  
Page 03-A SCALE 1:100

PREPARED BY:	PRC NO.: <b>0117615</b>	SEAL	PROJECT TITLE :	CONFORMED BY :	Sheet no.
<b>ENGR. JEFFRY S. PAMERON</b> Civil Engineer	PTR NO.: <b>3751243</b>		<b>CONSTRUCTION OF ONE STOREY RESIDENTIAL BUILDING</b>	<b>MR. RONDEL S. TAC-AN</b> Owner / Applicant	<b>A</b> <b>3 16</b>
	Date issued : <b>1/4/2023</b>				
	Issued at : <b>Pag. City</b>				
	Valid Until: <b>3/8/2025</b>				
			Location: <b>Mahayahay Subdivision, Dao, Pagadian City</b>		

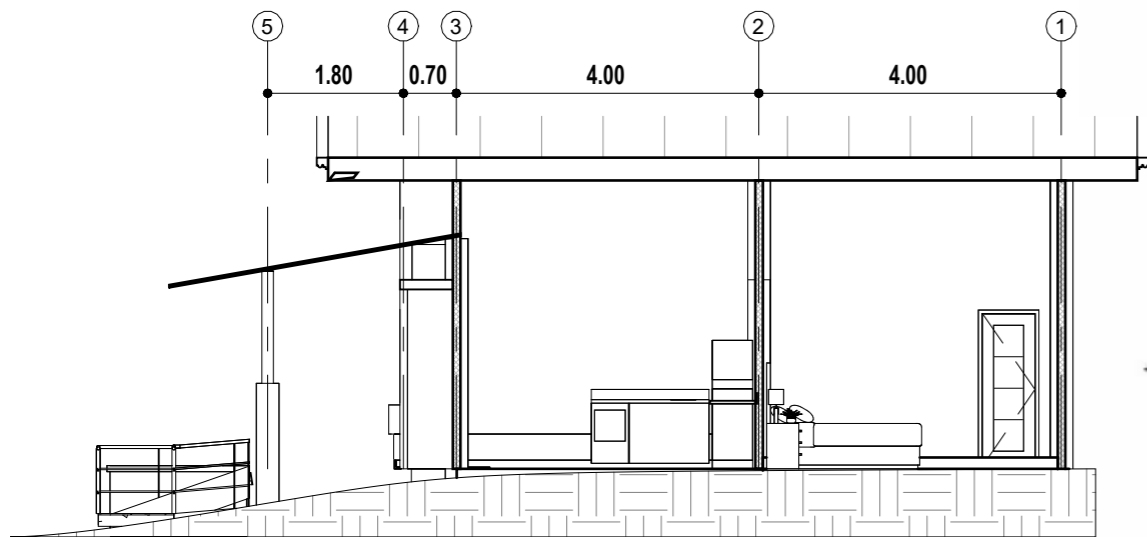
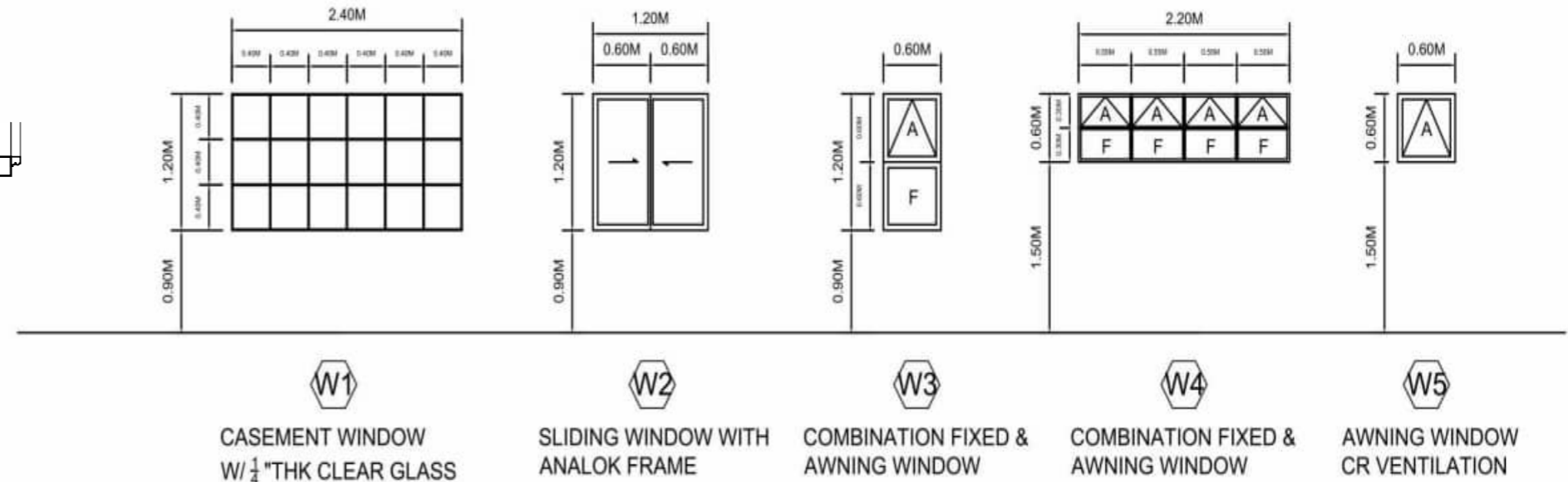


**1 CROSS SECTION**  
Page 04-A SCALE 1:100

**DOOR SCHEDULE**



**WINDOW SCHEDULE**



**2 LONGITUDINAL SECTION**  
Page 04-A SCALE 1:100

**DOOR AND WINDOW SCHEDULE**

SCALE NTS

PREPARED BY:	PRC NO.: <b>0117615</b>	SEAL	PROJECT TITLE :	CONFORMED BY :	Sheet no.
<b>ENGR. JEFFRY S. PAMERON</b> Civil Engineer	PTR NO.: <b>3751243</b>		<b>CONSTRUCTION OF ONE STOREY RESIDENTIAL BUILDING</b>	<b>MR. RONDEL S. TAC-AN</b> Owner / Applicant	<b>A</b> <b>4 16</b>
	Date issued : <b>1/4/2023</b>				
	Issued at : <b>Pag. City</b>				
	Valid Until: <b>3/8/2025</b>				
			Location: <b>Mahayahay Subdivision, Dao, Pagadian City</b>		

**CONSTRUCTION NOTES**

**DESIGN CRITERIA**

**REFERENCES**

NATIONAL BUILDING CODE OF THE PHILIPPINES (5TH EDITION)  
 AMERICAN CONCRETE INSTITUTE (AC-318-99)  
 STRUCTURAL DESIGN DATA AND SPECIFICATION  
 MANUAL OF STEEL CONSTRUCTION (7TH ED - AISC)  
 UNIFORM BUILDING CODE - 1997 EDITION  
 LOADING CONSIDERATION

**DEAD LOADS (F= \*16)**

CONCRETE	150	PCF	2400 KG/CU.M.
EARTH FILL	100	PCF	1600 KG/CU.M.
WATER	64	PCF	1025 KG/CU.M.

**LIVE LOADS (F=\*4.88)**

DWELLING UNITS	60	PSF	2.90 KPA (KG/SQ.M.)
ASSEMBLY AREAS	60	PSF	2.90 KPA
PARKING AND GARAGE	100	PSF	4.87 KPA

**WIND LOADS**

40	PSF	1.95 KPA
----	-----	----------

**GENERAL NOTES**

ALL CONSTRUCTION NOTES AND TYPICAL DETAILS SHALL APPLY TO ALL DRAWINGS UNLESS NOTED TO MEET CONDITIONS

ACI-318-99  
 ASEP SEISMIC DESIGN CODE  
 NSCP-5TH EDITION  
 UBC 1997  
 WITH ARCHITECTURAL DRAWINGS AND OTHER SPECIALTY TRADES  
 STRUCTURAL PLANS INTERPRETATION SHALL BE IN COORDINATION

IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE ADEQUATE SHORINGS AND BRACES TO ALL STRUCTURES AND ENSURE SAFETY TO PROPERTIES.

ALL DIMENSION SHALL BE SUBJECT TO CONTRACTORS VERIFICATION.

FORMWORKS DESIGN AS REQUIRED SHALL BE SUBMITTED, SHOWING DETAILS AND CALCULATIONS FOR REVIEW.

ALL SUPPLIED MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH SPECIFICATIONS AND OF ACCEPTED PREVAILING TRADE AND PRACTICE

**FOUNDATION WORKS**

FOUNDATIONS AND FOOTINGS ARE DESIGNED TO REST IN FIRM SOIL, UPGRADE / FILES WITH MINIMUM SOIL BEARING CAPACITY OF 4000 PSF  $Q_u/(20.88) = 191.57$  KPA

ALL FOOTINGS SHALL REST ON NATURAL FOUNDATION AND THUS NO FOOTING REST ON FILL.

MINIMUM CONCRETE PROTECTION FOR FACE BARS SHALL BE 75.0 mm DEPOSITED DIRECT AGAINST GROUND.

STRUCTURAL EXCAVATIONS SHALL BE TRUE TO GRADE AND LINE AS SHOWN ON THE DRAWINGS.

BACKFILL SHALL BE IN LAYERS AND NO MORE THAN 200 mm THK. EACH LAYER, MOISTENED AND COMPACTED TO REQUIRED (FDT) BEFORE PLACING THE NEXT LAYER.

SOIL BORING TEST REPORT SHALL PART OF THE DESIGN PLANS AND RECOMMENDATION OF THE SOIL ENGINEER SHALL BE CONSIDERED IN THE WORKS

SOIL BORING TEST REPORT SHALL FORM PART OF THE DESIGN PLANS AND RECOMMENDATION OF THE SOIL ENGINEER SHALL BE FOR COMPLIANCE.

BACKFILL MATERIALS SHALL BE NON-EXPANSIVE GRANULAR MATERIALS

**REINFORCED CONCRETE**

UNLESS OTHERWISE SPECIFIED, THE MINIMUM 28TH DAY CYLINDER COMPRESSIVE STRENGTH SHALL BE AS FOLLOWS 3000 PSI (PSI / 145 = MPA)

CAST AGAINST EARTH	3000 PSI	20.0 MPA
FOUNDATIONS	3000 PSI	20.0 MPA
SLAB ON FILL	3000 PSI	20.0 MPA
SUSPENDED SLAB	4000 PSI	28.0 MPA
	4000 PSI	28.0 MPA
BEAMS AND GIRDERS	4000 PSI	24.0 MPA

ALL CONCRETE SHALL BE KEPT MOIST FOR SEVEN (7) CONSECUTIVE DAYS AFTER CASTING

CONCRETE SHALL BE CONSOLIDATED BY VIBRATION BY USING STANDARD CONCRETE VIBRATOR OR APPROVED EQUIPMENT

ALL CONCRETE SHALL BE SUBJECT TO TESTING AS REQUIRED FOR IN ACCORDANCE WITH ASTM C 39 UNLESS OTHERWISE SPECIFIED IN THE DRAWINGS

ALL CONCRETE BREAKS - CONSTRUCTION JOINTS NOT SHOWN ON PLANS OR DETAILS SHALL BE LOCATED AND FORMED TO THE APPROVAL OF THE ENGINEER

CAMBER TO SUSPENDED STRUCTURES SUCH AS SLABS AND BEAMS SHALL BE 5mm FOR EVERY 2 METERS OF SPAN UNLESS OTHERWISE SPECIFIED IN THE DESIGN PLANS

HEAVY DUTY 6 MICRON POLYETHYLENE SHEET SHALL BE INCORPORATED ABOVE COMPACTED GRAVEL BALLAST SUPPORTING SLABS ON FILL

LOCATION	MINIMUM TIME / DAYS
COLUMNS	12 HOURS
WALL / SIDINGS	12 HOURS
ARCH JOIST AND BM SUPPORT	14 DAYS (LL>DL)
ARCH JOIST AND BM SUPPORT	7 DAYS (DL>LL)
ONE-WAY SLAB (3-6 METERS SPAN)	7 DAYS (LL>DL)
ONE-WAY SLAB (3-6 METERS SPAN)	4 DAYS (DL>LL)

**REBARS**

ALL REINFORCING STEEL BARS SHALL BE CONFORMED TO ASTM A-1562-2T AND DEFORMATIONS TO A 305-56 OR LATEST REVISIONS.

BARS OF 12mm IN DIAMETER AN BELOW SHALL BE OF STRUCTURAL GRADE FS = 33000 PSI WHILE BARS BARS IN 16mm IN DIAMETER AND ABOVE SHALL BE OF INTERMEDIATE HIGH GRADE FS = 40,000 PSI

REQUIRED DEVELOPMENT LENGTH FOR ALL BARS SHALL BE MINIMUM OF 40 BAR DIAMETER UNLESS OTHERWISE SPECIFIED.

**TABLE OF BAR SPLICE AND ANCHORS**

BAR SIZE	LAP SPLICE LENGTH (MM) ANCHOR LENGTH		
	TYPE - A	TYPE - B	
10 MM	400 MM	300 MM	600 MM
12 MM	450 MM	350 MM	600 MM
16 MM	600 MM	400 MM	600 MM
20 MM	750 MM	600 MM	600 MM
25 MM	1100 MM	900 MM	600 MM
28 MM	1400 MM	1200 MM	600 MM
35 MM	1900 MM	1400 MM	1000 MM

TYPE - A = BUNDLED BARS,  
 TYPE - B = INDIVIDUAL BARS  
 NOT MORE THAN 33DF THE BARS SHALL BE SPLICED WITHIN LAP LENGTH

**BEAMS AND GIRDERS**

UNLESS OTHERWISE NOTED ON PLANS, CAMBER ALL REINFORCED BEAMS AND GIRDERS AT LEAST 6MM FOR EVERY 4.5 METERS SPAN, EXCEPT FOR CANTILEVER BEAMS WHICH SHALL BE 18.0mm FOR EVERY 3 METERS SPAN.

FOR TWO OR MORE LAYERS OF REINFORCING BARS, USE SEPARATORS WITH MINIMUM SPACING OF 1.00 METERS

NO SPLICE SHALL BE ALLOWED ON BEAMS AND GIRDERS WHERE CRITICAL BONDING STRESS IS TO OCCUR. WHERE TENSION SPLICE BE OBLIGED, ADAPT SPLICE LENGTH OF 60 BAR DIAMETER FOR BARS AND 40 BAR DIAMETER FOR DEFORMED BARS, COMPRESSION SPLICE SHALL BE 40 BAR DIAMETER FOR PLAIN BARS AND 30 BAR DIAMETER FOR DEFORMED BARS.

DEFORMED BARS WHERE BEAM REINFORCING BARS END IN WALL CLEAR DISTANCE OF BARS TO EXTERIOR FACE OF WALL SHALL BE NO LESS THAN 50MM. EMBEDMENT LENGTH SHALL BE NO LESS THAN 40 BAR DIAMETER FOR TENSION AND 20 BAR DIAMETER FOR COMPRESSION.

**SLABS**

FOR TWO-WAY SLABS, BARS ALONG THE SHORTER SPAN SHALL BE PLACED BELOW THOSE ALONG THE LONGER SPAN AT MID SPAN AND OVER THE LONGER SPAN AT SECTIONS NEAR SUPPORT (COLUMN LINE). UNLESS OTHERWISE INDICATED, BAR SPACING ALONG COLUMN STRIP CAN BE APPROPRIATE 1-1/3 TIMES OF THE MIDDLE STRIP BUT IN NO CASE GREATER THAN 2-1/3 TIMES THE SLAB THICKNESS.

PROVIDE EXTRA DIAGONAL REINFORCEMENT AT CORNER SLAB, I.E. WHERE TO ADJACENT DISCONTINUOUS SLAB MEET

**MASONRY WORKS**

CONCRETE HOLLOW BLOCKS, UNLESS OTHERWISE SPECIFIED SHALL BE 150MM THICK LOAD BEARING (750 PSI MIN.)

DOWELS SHALL BE ADOPT DIAMETER 10MM AT 600MM O.C. BOTHWAYS. UNLESS SPECIFIED

**STRUCTURAL STEEL**

ALL MATERIALS SHALL CONFORM TO ASTNA-36 STEEL UNLESS SPECIFIED

SHOP DRAWING SHALL BE MADE IN CONFORMITY WITH BEST MODERN PRACTICE WITH DUE REGARD TO SPEED AND ECONOMY IN FABRICATION AND ERECTION.

UNLESS OTHERWISE SPECIFIED, THE USE OF AUTOMATIC WELDING MECHANISM IS MANDATORY IN THE FABRICATION OF BUILT-UP SECTIONS.

WELDS SHALL BE MADE ONLY BY WELDED AND TACKERS WHO HAVE BEEN PREVIOUSLY QUALIFIED BY TESTER CODE FOR WELDING AND BUILDING CONSTRUCTION.

FABRICATION-ERECTION SHALL PROVIDE QUALITY CONTROL PROCEDURES TO THE EXTEND DEEMED NECESSARY TO ENSURE THAT ALL WORKS ARE PERFORMED PER SPECIFICATION

MATERIALS TO BE USED SHALL BE WITH CERTIFIED MILL CERTIFICATE OF COMPLIANCE

LENGTH OF FILLET SHALL BE NOT LESS THAN FOUR TIMES NOMINAL SIZE.

**MINIMUM SIZE OF FILLET**

WELDS MATERIALS THICKNESS OF THICKER PART OT.	MINIMUM WELDS FILLET	
	MM	IN
6.25 MM	3.00	1/8
6.25 - 12.0 MM	4.68	3/16
12.0 - 18.0 MM	6.25	1/4
18.0 - 37.0 MM	7.8	5/16

PREPARED BY:

PRC NO.: **0117615**

SEAL

PROJECT TITLE :

CONFORMED BY :

Sheet no.

**ENGR. JEFFRY S. PAMERON**  
 Civil Engineer

PTR NO.: **3751243**

Date issued : **1/4/2023**

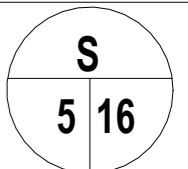
Issued at : **Pag. City**

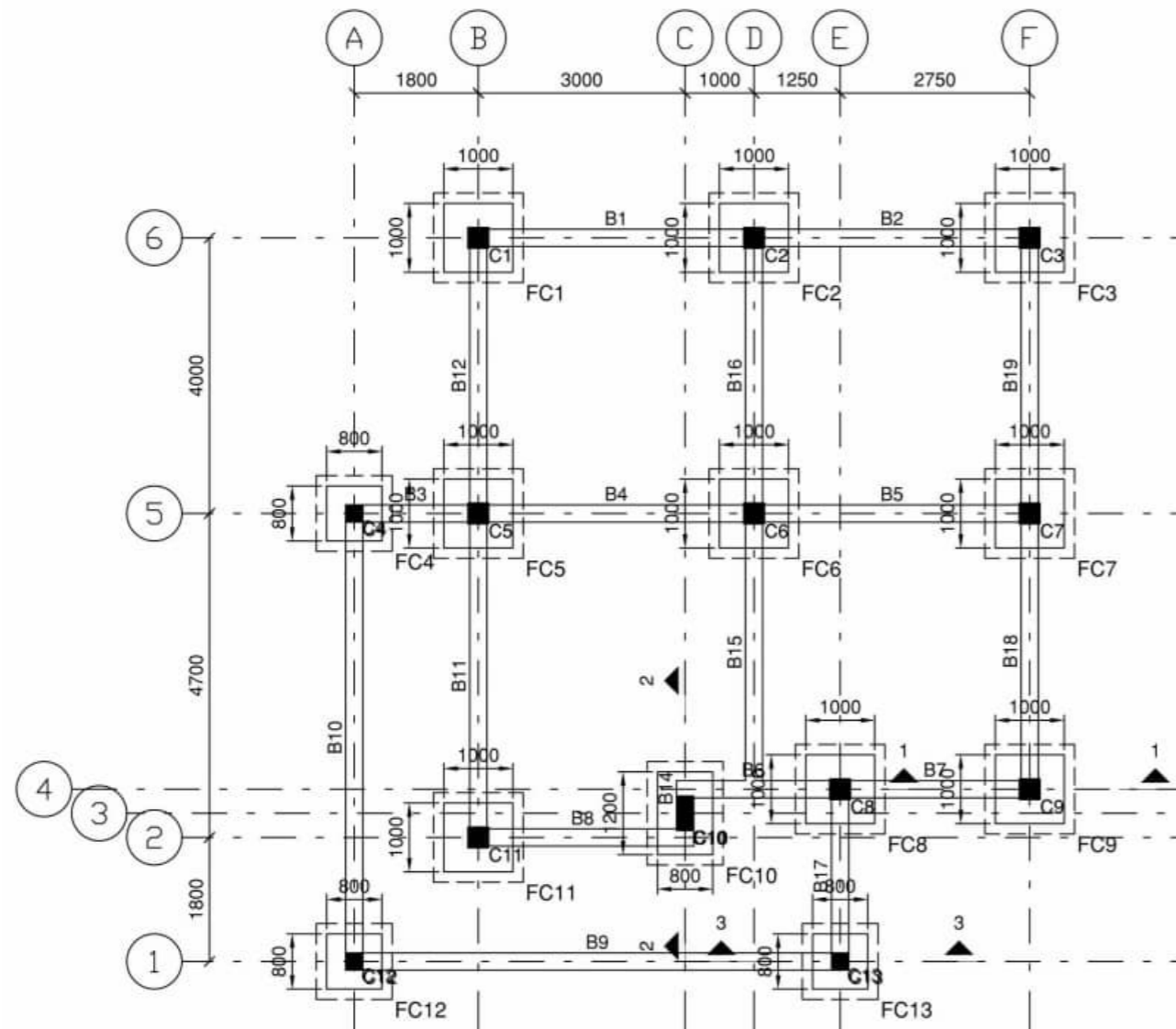
Valid Until: **3/8/2025**

**CONSTRUCTION OF ONE STOREY  
 RESIDENTIAL BUILDING**

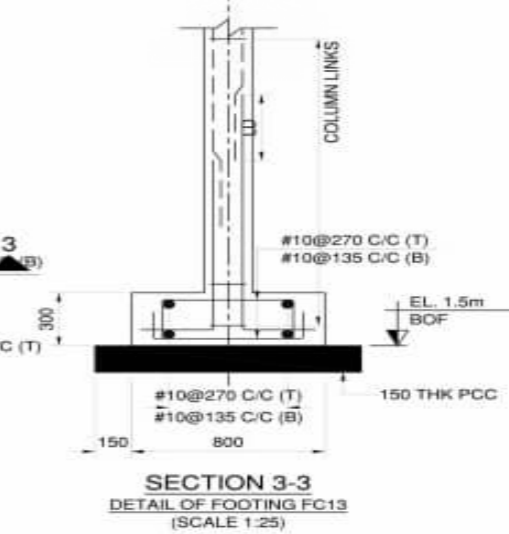
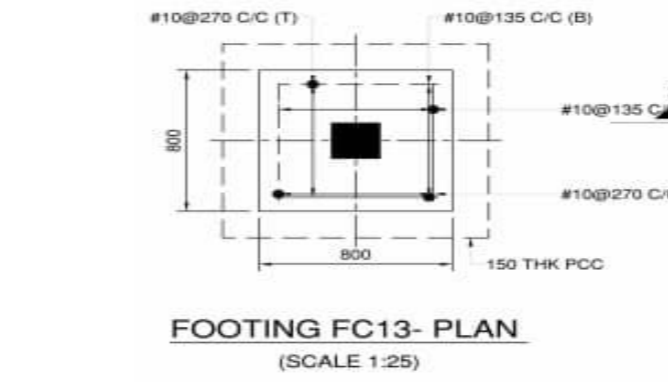
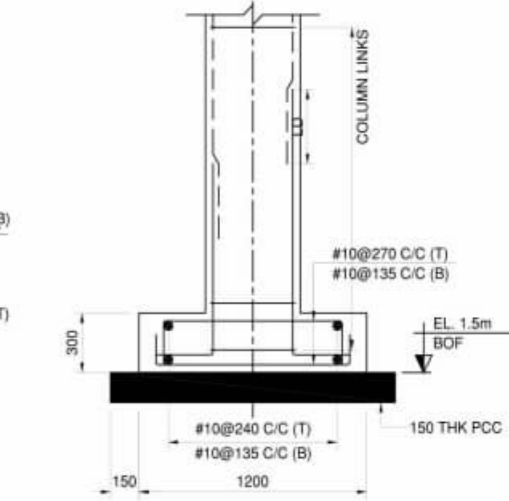
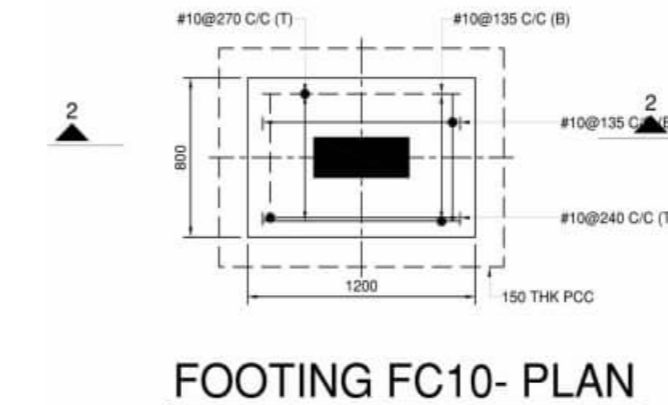
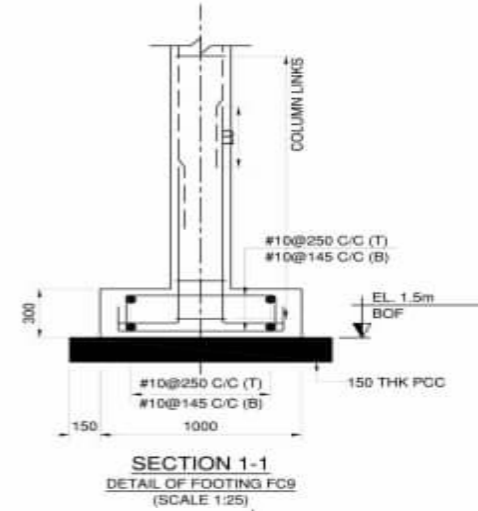
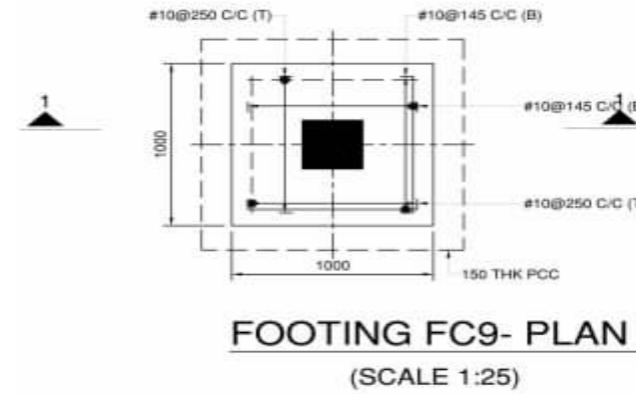
**Location: Mahayahay Subdivision, Dao, Pagadian City**

**MR. RONDEL S. TAC-AN**  
 Owner / Applicant





**FOOTING & FOUNDATION PLAN**  
SCALE 1:100 MTS



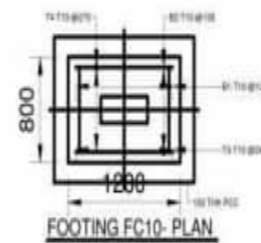
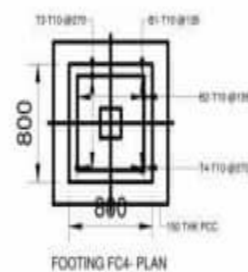
**FOOTING DETAILS PLAN**

PREPARED BY:	PRC NO.: <b>0117615</b>	SEAL	PROJECT TITLE :	CONFORMED BY :	Sheet no.
<b>ENGR. JEFFRY S. PAMERON</b> Civil Engineer	PTR NO.: <b>3751243</b>		<b>CONSTRUCTION OF ONE STOREY RESIDENTIAL BUILDING</b>	<b>MR. RONDEL S. TAC-AN</b> Owner / Applicant	<div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center; margin: 0 auto;"> <div style="text-align: center;">S</div> <div style="text-align: center;">6 / 16</div> </div>
	Date issued : <b>1/4/2023</b>				
	Issued at : <b>Pag. City</b>				
	Valid Until: <b>3/8/2025</b>				
			Location: <b>Mahayahay Subdivision, Dao, Pagadian City</b>		DRAWN BY: EDGAR D. CASEÑAS 09383120747

# FOOTING SCHEDULE (C21:Fy414)

FOOTING NUMBERS	COLUMN NUMBERS	FOOTING TYPE	FOOTING DIMENSION					FOOTING REINFORCEMENT				STIRRUPS		SFR	REMARKS
			STEP	L	B	D1	D2	BOTTOM		TOP		ALONG B	ALONG L		
								ALONG B	ALONG L	ALONG B	ALONG L				
FC1	C1	Pad	-	1000	1000	300	-	#10@145 C/C	#10@145 C/C	#10@250 C/C	#10@250 C/C	-	-	-	-
FC2	C2	Pad	-	1000	1000	300	-	#10@145 C/C	#10@145 C/C	#10@250 C/C	#10@250 C/C	-	-	-	-
FC3	C3	Pad	-	1000	1000	300	-	#10@145 C/C	#10@145 C/C	#10@250 C/C	#10@250 C/C	-	-	-	-
FC4	C4	Pad	-	800	800	300	-	#10@135 C/C	#10@135 C/C	#10@270 C/C	#10@270 C/C	-	-	-	-
FC5	C5	Pad	-	1000	1000	300	-	#10@145 C/C	#10@145 C/C	#10@250 C/C	#10@250 C/C	-	-	-	-
FC6	C6	Pad	-	1000	1000	300	-	#10@145 C/C	#10@145 C/C	#10@250 C/C	#10@250 C/C	-	-	-	-
FC7	C7	Pad	-	1000	1000	300	-	#10@145 C/C	#10@145 C/C	#10@250 C/C	#10@250 C/C	-	-	-	-
FC8	C8	Pad	-	1000	1000	300	-	#10@145 C/C	#10@145 C/C	#10@250 C/C	#10@250 C/C	-	-	-	-
FC9	C9	Pad	-	1000	1000	300	-	#10@145 C/C	#10@145 C/C	#10@250 C/C	#10@250 C/C	-	-	-	-
FC10	C10	Pad	-	1200	800	300	-	#10@135 C/C	#10@135 C/C	#10@240 C/C	#10@270 C/C	-	-	-	-
FC11	C11	Pad	-	1000	1000	300	-	#10@145 C/C	#10@145 C/C	#10@250 C/C	#10@250 C/C	-	-	-	-
FC12	C12	Pad	-	800	800	300	-	#10@135 C/C	#10@135 C/C	#10@270 C/C	#10@270 C/C	-	-	-	-
FC13	C13	Pad	-	800	800	300	-	#10@135 C/C	#10@135 C/C	#10@270 C/C	#10@270 C/C	-	-	-	-

ELEMENT	BAR MARK	BAR NOS.	REBAR	BAR SHAPE	CUTTING LENGTH mm	DIMENSIONS (mm)					
						A	B	C	D	E	R
FC4	B1	7	10		960	150	710	150			30
	B2	7	10		960	150	710	150			30
	T3	4	10		1100	220	710	220			30
	T4	4	10		1100	220	710	220			30



ELEMENT	BAR MARK	BAR NOS.	REBAR	BAR SHAPE	CUTTING LENGTH mm	DIMENSIONS (mm)					
						A	B	C	D	E	R
FC10	B1	10	10		960	150	710	150			30
	B2	7	10		1360	150	1110	150			30
	T3	7	10		1100	220	710	220			30
	T4	4	10		1500	220	1110	220			30

PREPARED BY:

**ENGR. JEFFRY S. PAMERON**  
Civil Engineer

PRC NO.: **0117615**

PTR NO.: **3751243**

Date issued : **1/4/2023**

Issued at : **Pag. City**

Valid Until: **3/8/2025**

SEAL

PROJECT TITLE :

**CONSTRUCTION OF ONE STOREY  
RESIDENTIAL BUILDING**

Location: Mahayahay Subdivision, Dao, Pagadian City

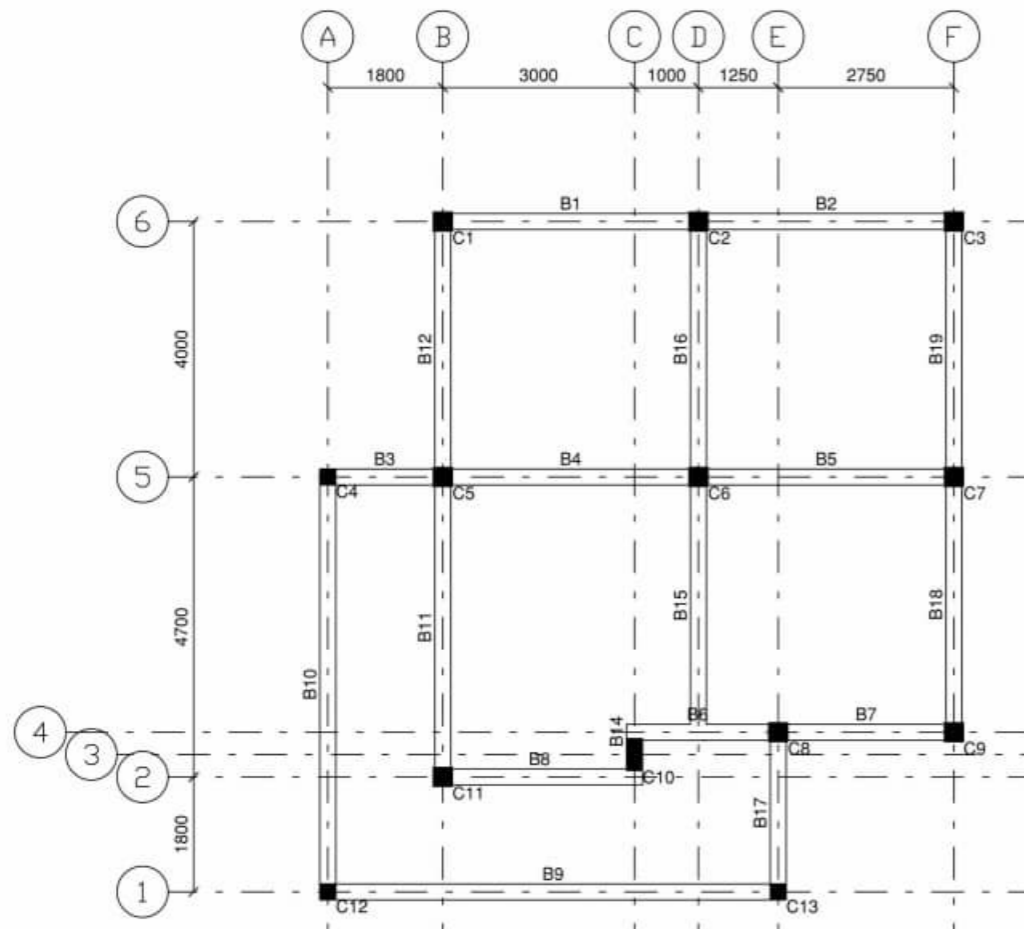
CONFORMED BY :

**MR. RONDEL S. TAC-AN**  
Owner / Applicant

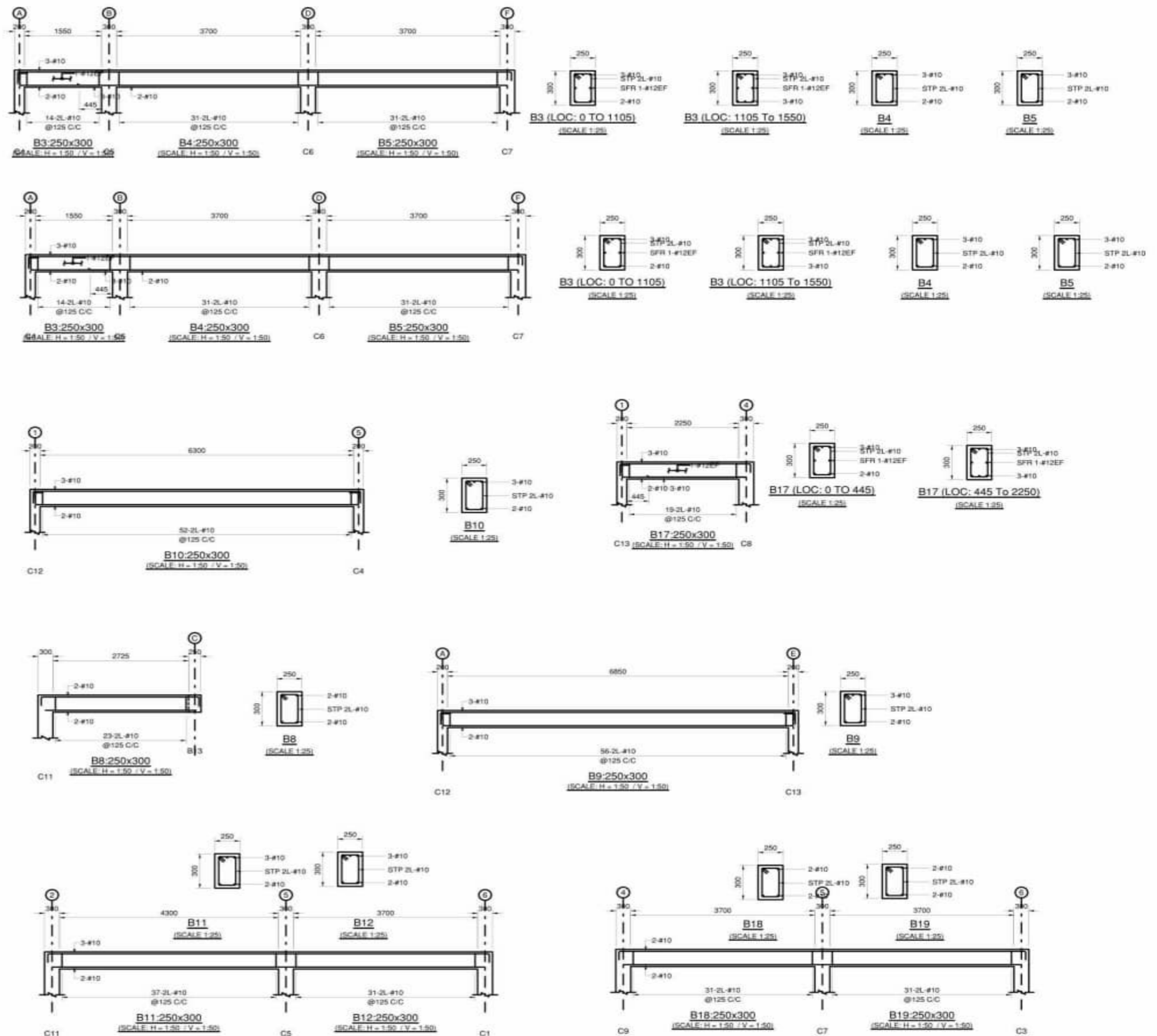
Sheet no.

**S**  
**7 / 16**

DRAWN BY: EDGAR D. CASEÑAS 09383120747



**BEAM DETAILS PLAN**  
SCALE 1:100 MTS



**BEAM DETAILS**  
SCALE 1:100 MTS

PREPARED BY:

**ENGR. JEFFRY S. PAMERON**  
Civil Engineer

PRC NO.: **0117615**

PTR NO.: **3751243**

Date issued : **1/4/2023**

Issued at : **Pag. City**

Valid Until: **3/8/2025**

SEAL

PROJECT TITLE :

**CONSTRUCTION OF ONE STOREY  
RESIDENTIAL BUILDING**

Location: Mahayahay Subdivision, Dao, Pagadian City

CONFORMED BY :

**MR. RONDEL S. TAC-AN**

Owner / Applicant

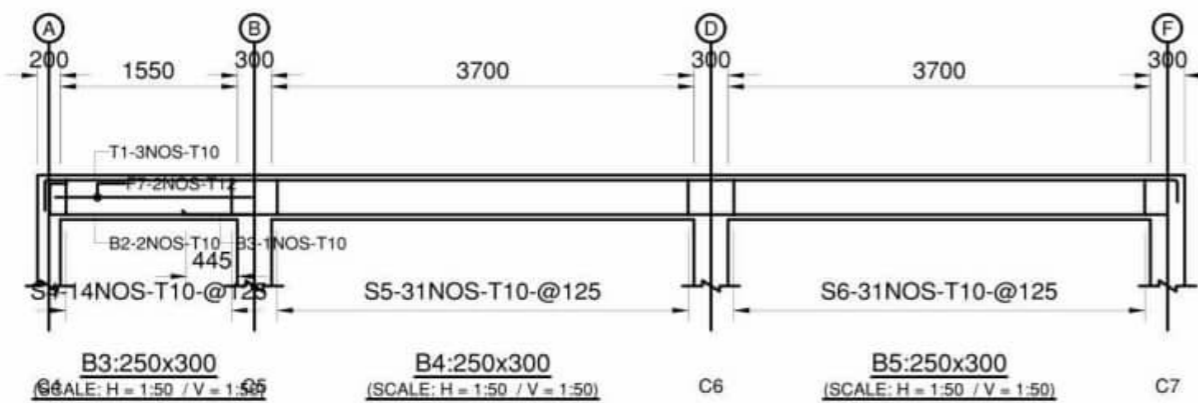
Sheet no.

**S**  
**8 16**

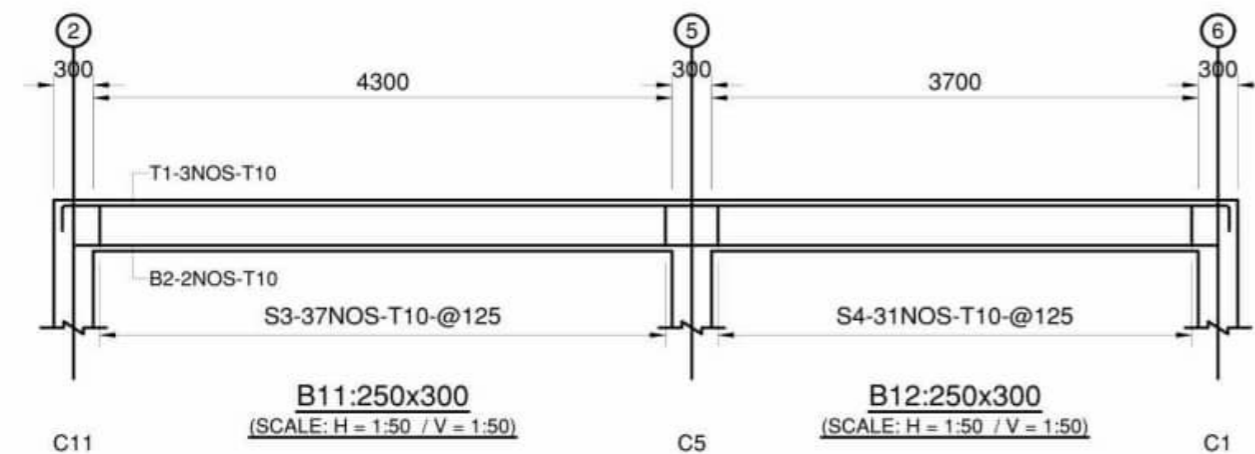
DRAWN BY: EDGAR D. CASEÑAS 09383120747

# BEAM SCHEDULE

BEAM NUMBERS	SIZE		BOTTOM REINFORCEMENT			TOP REINFORCEMENT			SHEAR STIRRUPS			SFR
	B	D	LEFT	MID SPAN	RIGHT	LEFT	MID SPAN	RIGHT	LEFT	MID SPAN	RIGHT	
B1,B2,B18,B19	250	300	2-#10	2-#10	2-#10	2-#10	2-#10	2-#10	11-2L-#10@125 C/C	9-2L-#10@125 C/C	11-2L-#10@125 C/C	-
B3	250	300	2-#10	2-#10	3-#10	3-#10	3-#10	3-#10	6-2L-#10@125 C/C	4-2L-#10@125 C/C	6-2L-#10@125 C/C	1-#12EF
B4,B5,B12,B15,B16	250	300	2-#10	2-#10	2-#10	3-#10	3-#10	3-#10	11-2L-#10@125 C/C	9-2L-#10@125 C/C	11-2L-#10@125 C/C	-
B6	250	300	2-#10	2-#10	2-#10	3-#10	3-#10	3-#10	7-2L-#10@125 C/C	5-2L-#10@125 C/C	7-2L-#10@125 C/C	1-#12EF
B7	250	300	2-#10	2-#10	2-#10	3-#10	3-#10	3-#10	8-2L-#10@125 C/C	6-2L-#10@125 C/C	8-2L-#10@125 C/C	-
B8	250	300	2-#10	2-#10	2-#10	2-#10	2-#10	2-#10	9-2L-#10@125 C/C	7-2L-#10@125 C/C	9-2L-#10@125 C/C	-
B9	250	300	2-#10	2-#10	2-#10	3-#10	3-#10	3-#10	20-2L-#10@125 C/C	18-2L-#10@125 C/C	20-2L-#10@125 C/C	-
B10	250	300	2-#10	2-#10	2-#10	3-#10	3-#10	3-#10	18-2L-#10@125 C/C	16-2L-#10@125 C/C	18-2L-#10@125 C/C	-
B11	250	300	2-#10	2-#10	2-#10	3-#10	3-#10	3-#10	13-2L-#10@125 C/C	11-2L-#10@125 C/C	13-2L-#10@125 C/C	-
B13,B14	250	300	2-#10	2-#10	2-#10	3-#10	3-#10	3-#10	2-2L-#10@125 C/C	2-2L-#10@125 C/C	2-2L-#10@125 C/C	1-#12EF
B17	250	300	2-#10	3-#10	3-#10	3-#10	3-#10	3-#10	7-2L-#10@125 C/C	5-2L-#10@125 C/C	8-2L-#10@125 C/C	1-#12EF

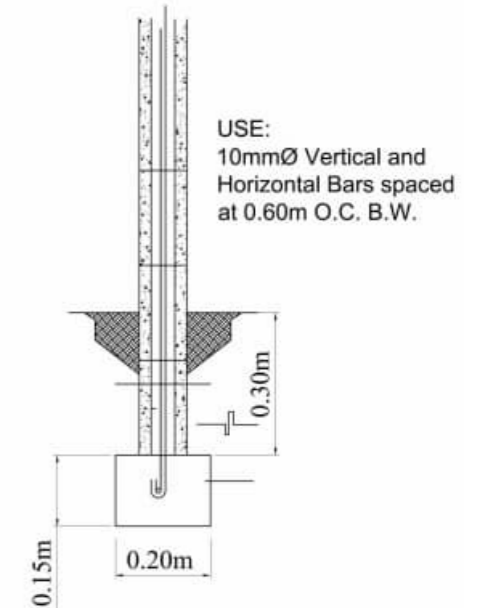
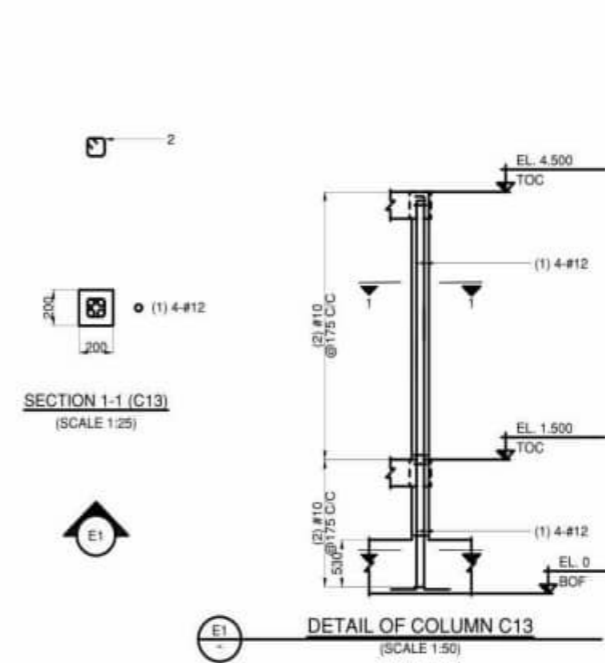
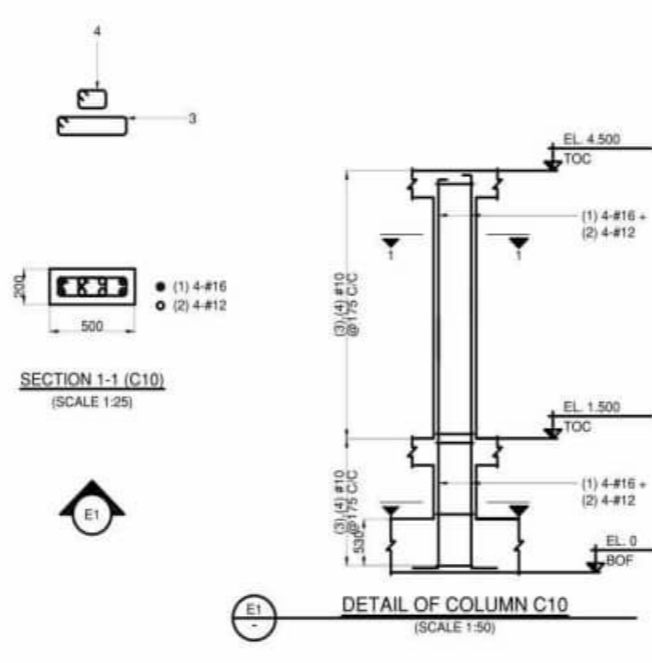
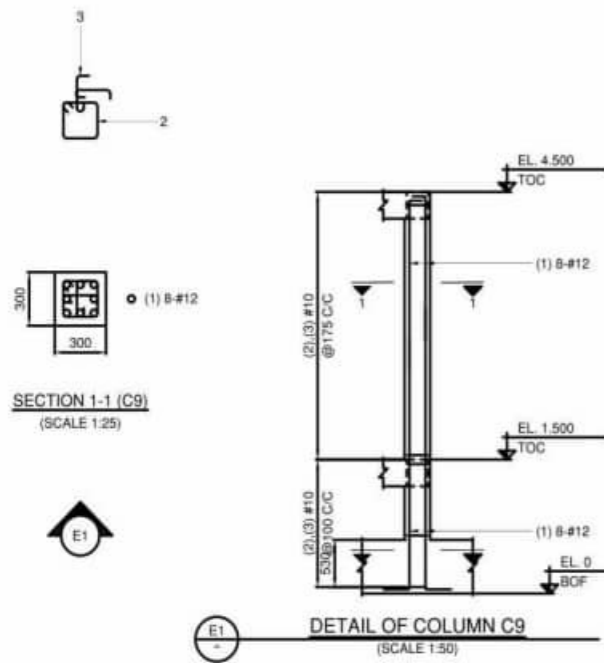


ELEMENT	BAR MARK	BAR NOS.	REBAR	BAR SHAPE	CUTTING LENGTH mm	DIMENSIONS (mm)					
						A	B	C	D	E	R
B3, B4 B5	T1	3	10		10345	275	9920	200			30
	B2	2	10		10175	9795	280	150			30
	B3	1	10		595	595					
	S4	14	10		1220	170	320				30
	S5	31	10		1220	170	320				30
	S6	31	10		1220	170	320				30
	F7	2	12		3140	150	3020				36



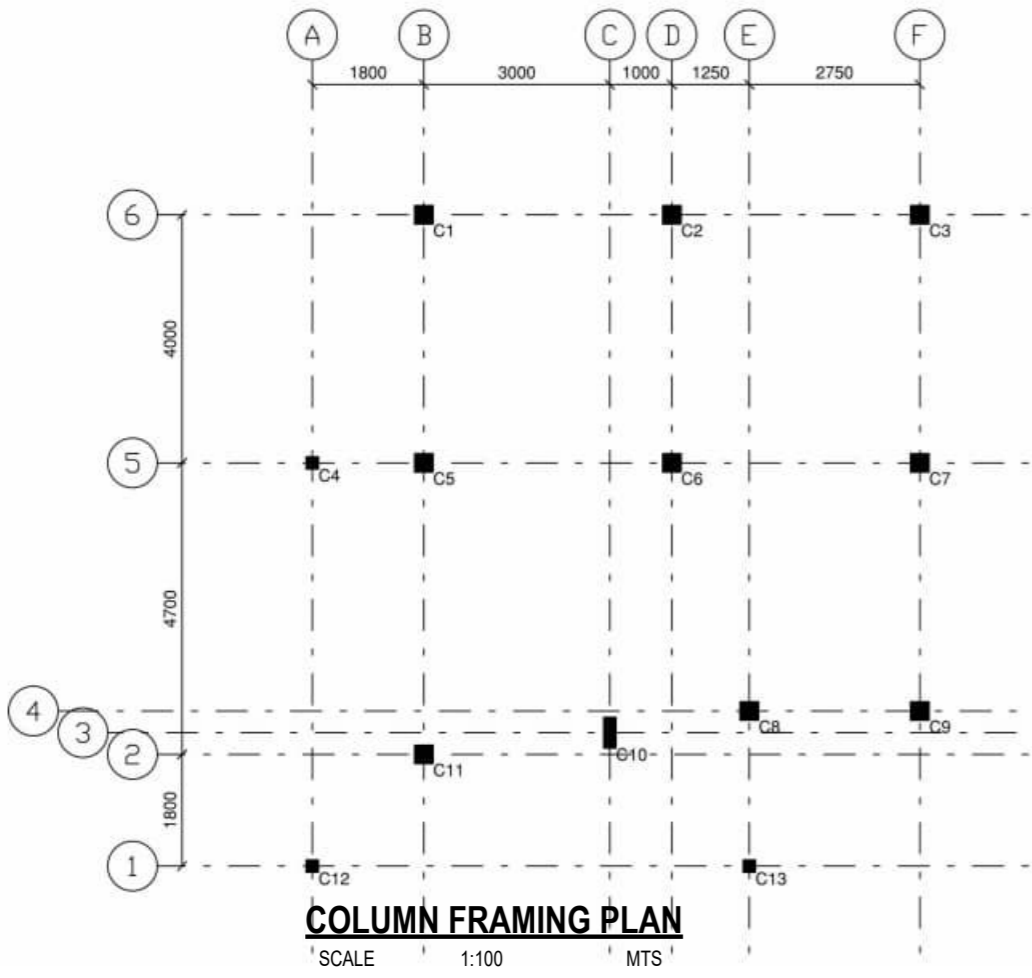
ELEMENT	BAR MARK	BAR NOS.	REBAR	BAR SHAPE	CUTTING LENGTH mm	DIMENSIONS (mm)					
						A	B	C	D	E	R
B11, B12	T1	3	10		9215	200	8870	200			30
	B2	2	10		8700	8700					
	S3	37	10		1220	170	320				30
	S4	31	10		1220	170	320				30

PREPARED BY:	PRC NO.: <b>0117615</b>	SEAL	PROJECT TITLE :	CONFORMED BY :	Sheet no.
<b>ENGR. JEFFRY S. PAMERON</b> Civil Engineer	PTR NO.: <b>3751243</b>		<b>CONSTRUCTION OF ONE STOREY RESIDENTIAL BUILDING</b>	<b>MR. RONDEL S. TAC-AN</b> Owner / Applicant	
	Date issued : <b>1/4/2023</b>				
	Issued at : <b>Pag. City</b>				
	Valid Until: <b>3/8/2025</b>				
			Location: <b>Mahayahay Subdivision, Dao, Pagadian City</b>		
DRAWN BY: EDGAR D. CASEÑAS 09383120747					



**COLUMN DETAILS PLAN**  
SCALE 1:100 MTS

**WALL FOOTING DETAIL**  
NOT TO SCALE



0 M TO 1.5 M	C21 : Fy414 , COVER = 50mm	C21 : Fy414 , COVER = 50mm	C21 : Fy414 , COVER = 50mm	C21 : Fy414 , COVER = 50mm	C21 : Fy414 , COVER = 50mm
	8-#12	4-#12	4-#16 + 4-#12	4-#16 + 4-#12	8-#16
COLUMN MARKED	C1, C2, C3, C6, C7, C8, C9	C4, C12, C13	C5	C10	C11

**COLUMN AND WALL SCHEDULE**

1.5 M TO 4.5 M	SIZE	300 X 300	200 X 200	300 X 300	200 X 500	300 X 300
	STEEL	8-#12	4-#12	8-#12	4-#16 + 4-#12	8-#12
	LINKS	#10@175 C/C	#10@175 C/C	#10@175 C/C	#10@175 C/C	#10@175 C/C
	MATERIAL	C21 : Fy414	C21 : Fy414	C21 : Fy414	C21 : Fy414	C21 : Fy414
0 M TO 1.5 M	SIZE	300 X 300	200 X 200	300 X 300	200 X 500	300 X 300
	STEEL	8-#12	4-#12	4-#16 + 4-#12	4-#16 + 4-#12	8-#16
	LINKS	#10@100 C/C	#10@175 C/C	#10@100 C/C	#10@175 C/C	#10@100 C/C
	MATERIAL	C21 : Fy414	C21 : Fy414	C21 : Fy414	C21 : Fy414	C21 : Fy414
COLUMN MARKED	C1, C2, C3, C6, C7, C8, C9	C4, C12, C13	C5	C10	C11	

PREPARED BY:  
**ENGR. JEFFRY S. PAMERON**  
Civil Engineer

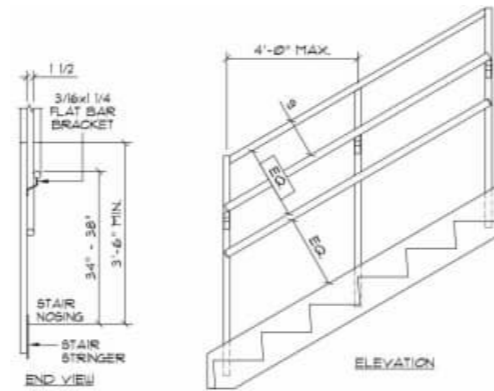
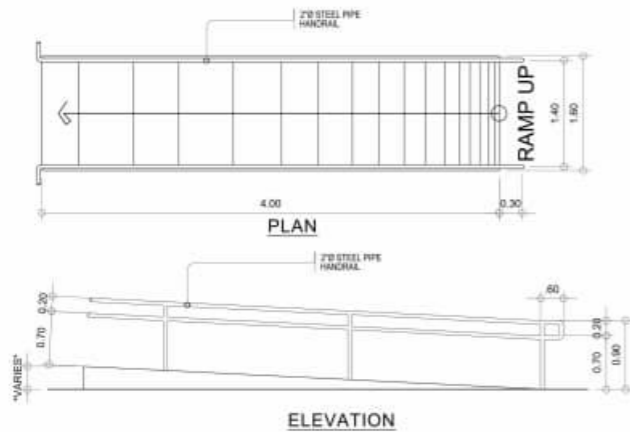
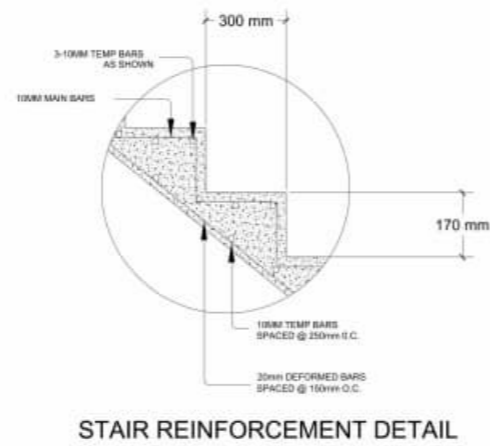
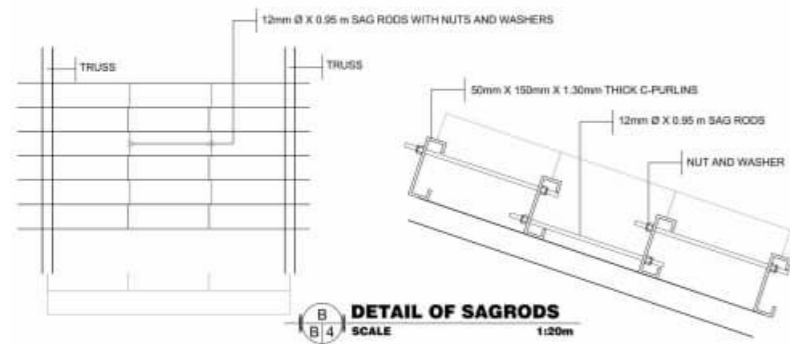
PRC NO.: **0117615**  
PTR NO.: **3751243**  
Date issued : **1/4/2023**  
Issued at : **Pag. City**  
Valid Until: **3/8/2025**

SEAL

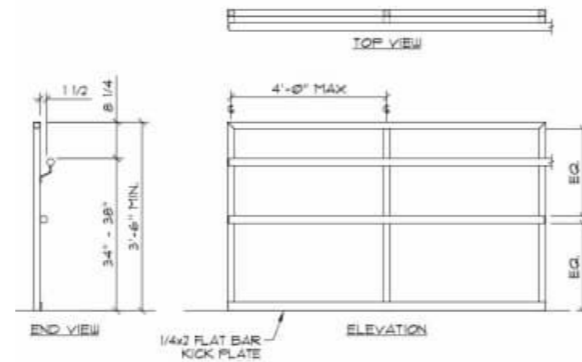
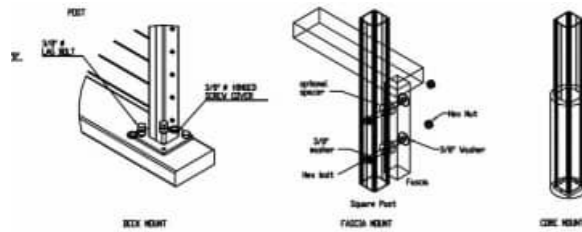
PROJECT TITLE :  
**CONSTRUCTION OF ONE STOREY RESIDENTIAL BUILDING**  
Location: **Mahayahay Subdivision, Dao, Pagadian City**

CONFORMED BY :  
**MR. RONDEL S. TAC-AN**  
Owner / Applicant

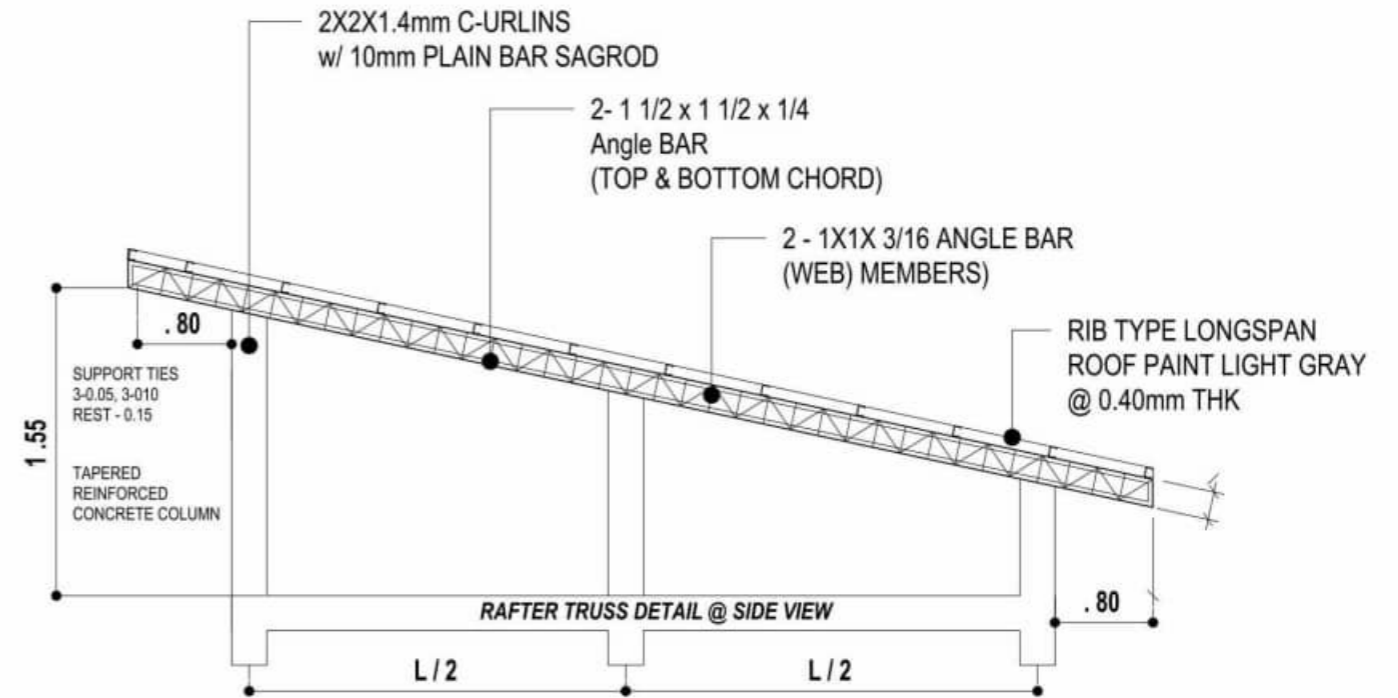
Sheet no.  
**S**  
**8 16**



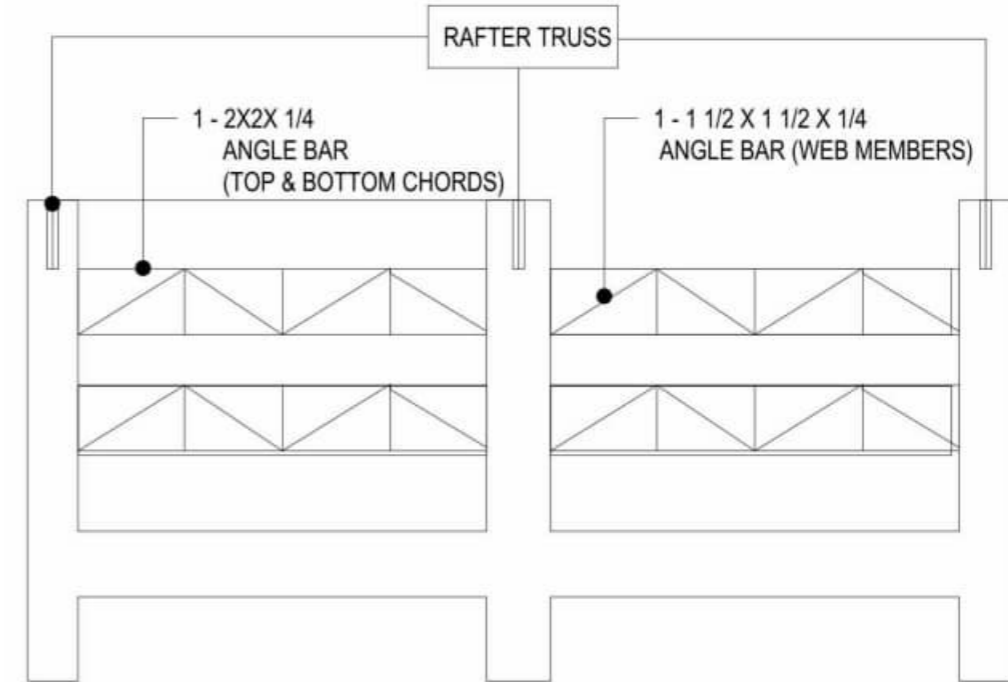
**20**  
**S 1**  
**RAMP DETAILS**  
SCALE 1:50 MTRS



**TYPICAL STAIRS & RAILINGS DETAIL**



**RAFTER TRUSS DETAIL @ SIDE VIEW**  
SCALE 1:200 MTS



**RAFTER TRUSS DETAIL @ FRONT VIEW**  
SCALE 1:200 MTS

PREPARED BY:

**ENGR. JEFFRY S. PAMERON**  
Civil Engineer

PRC NO.: 0117615

PTR NO.: 3751243

Date issued : 1/4/2023

Issued at : Pag. City

Valid Until: 3/8/2025

SEAL

PROJECT TITLE :

**CONSTRUCTION OF ONE STOREY  
RESIDENTIAL BUILDING**

Location: Mahayahay Subdivision, Dao, Pagadian City

CONFORMED BY :

**MR. RONDEL S. TAC-AN**  
Owner / Applicant

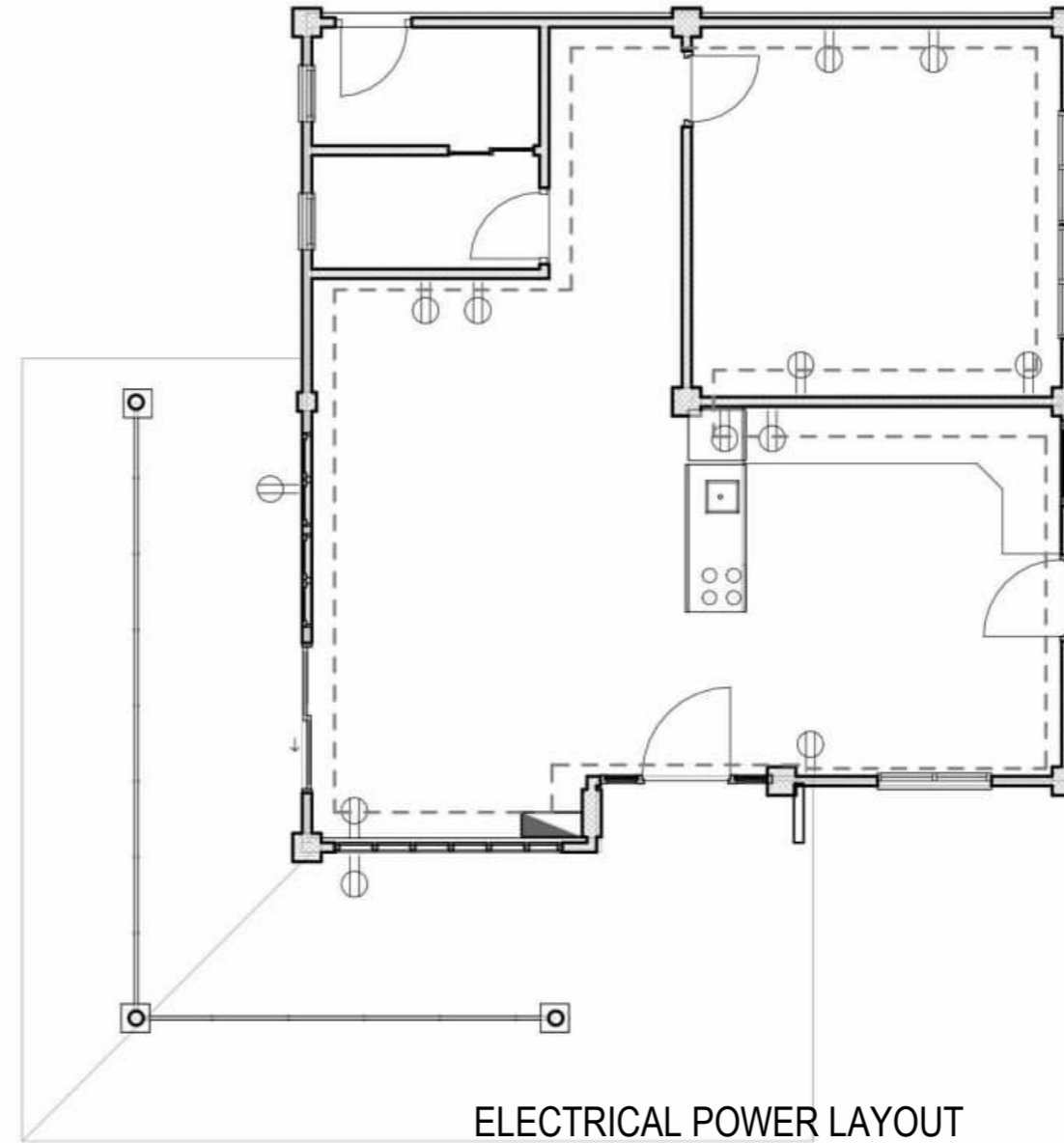
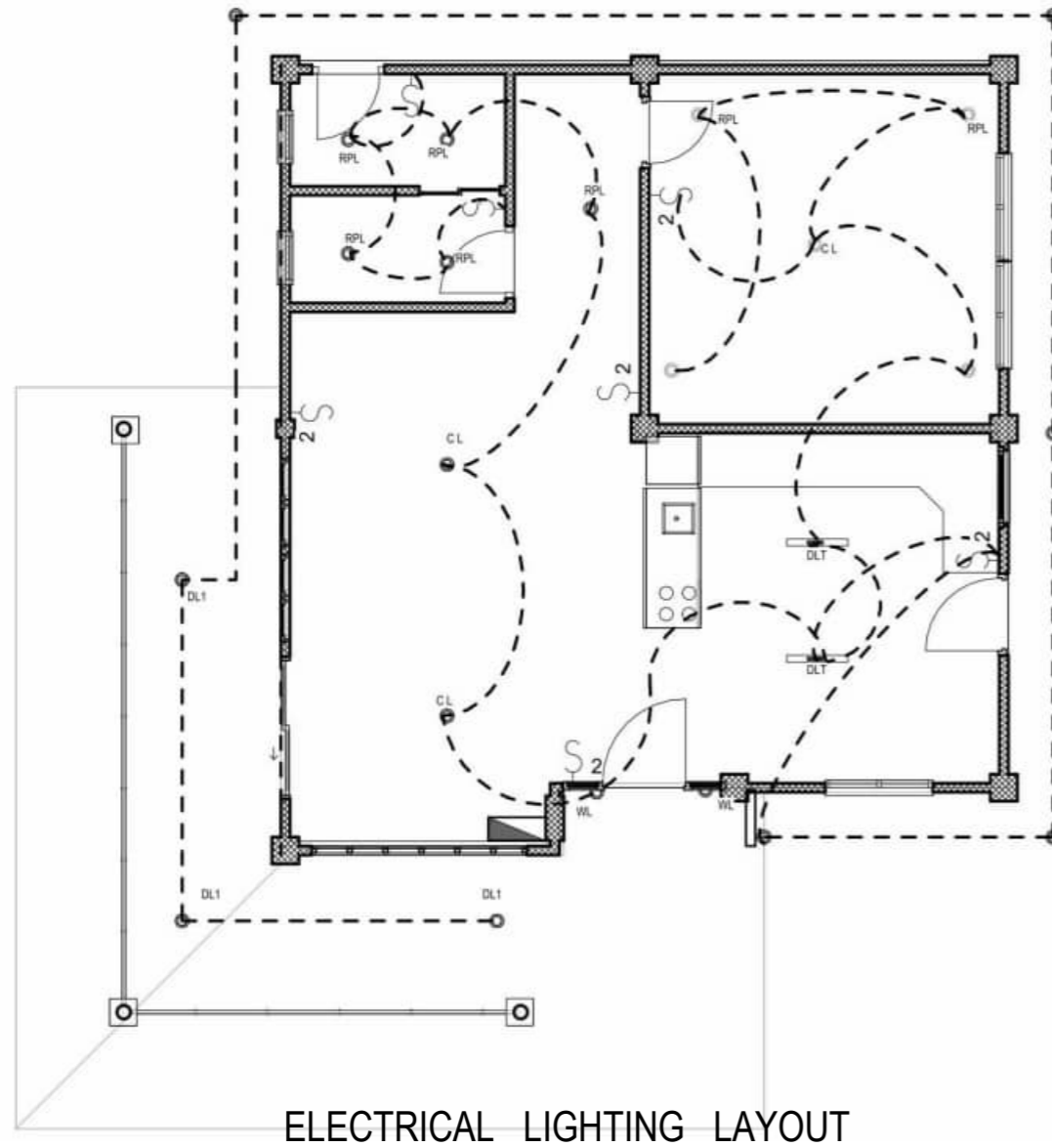
Sheet no.

**S**  
**1116**

DRAWN BY: EDGAR D. CASEÑAS 09383120747

**LEGEND:**

- RPL - RECESSED PIN LIGHT 4"Ø W/  
9W LED BULB
- CL - CEILING LAMP (CIRCULAR) 12"Ø
- WL - WALL LAMP
- DLT - DECORATIVE LAMP TILTING
- DL1 - DOWNLIGHT PIN LIGHT 4"
- DL2 - DOWNLIGHT PIN LIGHT 6"
- CFL - COMPACT FLOURESCENT  
LAMP LED 9W
- FL - COMPACT FLOURESCENT  
LAMP LED 9W
- PB - PANEL BOARD



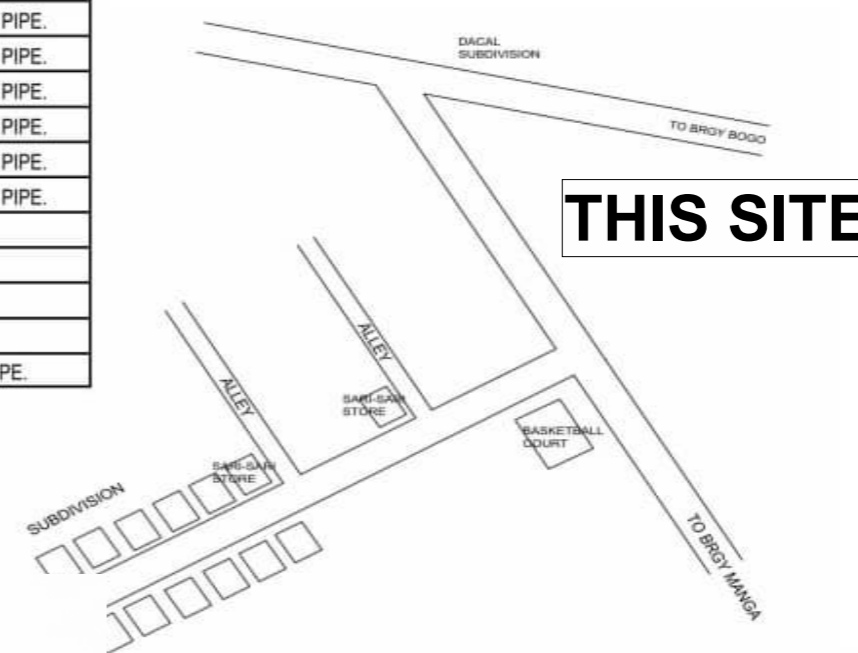
ELECTRICAL LIGHTING LAYOUT

ELECTRICAL POWER LAYOUT

PREPARED BY:	PRC NO.: <b>2860</b>	SEAL	PROJECT TITLE :	CONFORMED BY :	Sheet no.
<b>ARNEL P. CANTERO</b> Prof. Electrical Engineer	PTR NO.:		<b>ELECTRICAL WIRING INSTALLATION</b>	<b>MR. RONDEL S. TAC-AN</b> Owner / Applicant	<div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; display: flex; flex-direction: column; align-items: center; justify-content: center;"> <span>E</span> <span>12 16</span> </div>
	Date issued :				
	Issued at :				
	Valid Until:				
			Location: Mahayahay Subdivision, Dao, Pagadian City	DRAWN BY: EDGAR D. CASEÑAS 09383120747	

# SCHEDULE OF LOADS AND COMPUTATION

CKT NO.	DESCRIPTION OF LOADS	NO. OF OUTLETS	VAL/ WATTS	AMPS	VOLT	CIRCUIT PROTECTION			SIZE OF CONDUCTOR & CONDUIT
						AT	POLE	AF	
1	LIGHTING OUTLET	10	1000	4.35	230	15A	2P	100	use 3.5 mm <sup>2</sup> dia. THHN/THW WIRE in 1/2" PVC PIPE.
2	LIGHTING OUTLET	9	900	3.91	230	15A	2P	100	use 3.5 mm <sup>2</sup> dia. THHN/THW WIRE in 1/2" PVC PIPE.
3	LIGHTING OUTLET	10	1000	4.35	230	15A	2P	100	use 3.5 mm <sup>2</sup> dia. THHN/THW WIRE in 1/2" PVC PIPE.
4	CONVENIENCE OUTLET	10	1800	7.83	230	20A	2P	100	use 3.5 mm <sup>2</sup> dia. THHN/THW WIRE in 1/2" PVC PIPE.
5	CONVENIENCE OUTLET	10	1800	7.83	230	20A	2P	100	use 3.5 mm <sup>2</sup> dia. THHN/THW WIRE in 1/2" PVC PIPE.
6	1.5 HP ACU INVERTER TYPE	1	2300	10	230	30A	2P	100	use 5.5 mm <sup>2</sup> dia. THHN/THW WIRE in 1/2" PVC PIPE.
7	SPARE	-	-	-	-	-	-	-	-
8	SPARE	-	-	-	-	-	-	-	-
<b>TOTAL</b>		<b>50</b>	<b>8800</b>	<b>35.27</b>	<b>230</b>	<b>100A</b>	<b>2P</b>	<b>100</b>	use 14 mm <sup>2</sup> dia. THHN/THW WIRE in 1" PVC PIPE.



REPUBLIC OF THE PHILIPPINES  
REGION - IX  
**O.B.O.**  
OFFICE OF THE BUILDING OFFICIALS

Building Official

ELECTRICAL:

## ELECTRICAL NOTES

POWER SUPPLY SHALL BE 240 / 220 VAC, 1Ø, 2W, 60HZ, 240 V/ LINE-TO-LINE GROUND SYSTEMS.

ALL ELECTRICAL MATERIALS SHALL BE NEW AND APPROVED TYPE AS TO LOCATION AND USE OR PURPOSE;

ALL WIRING INSTALLATIONS SHALL BE EMBEDDED OR DONE THROUGH UNDERGROUND WITH THE PRESCRIBED SAFETY & STANDARD;

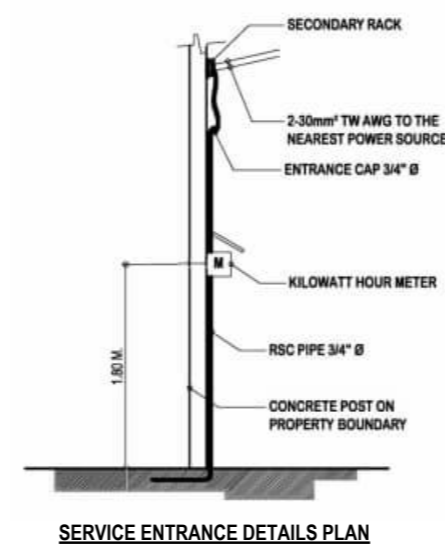
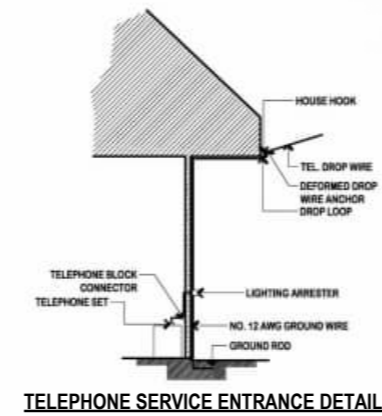
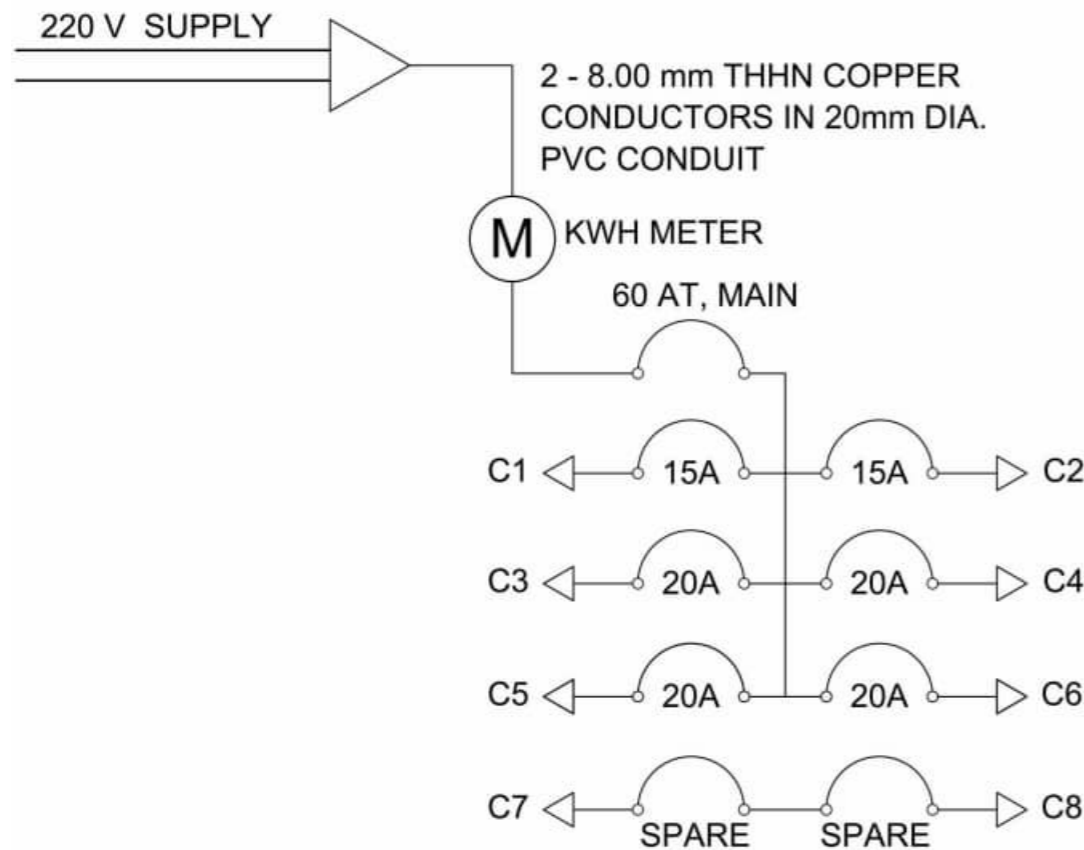
ALL WIRING INSTALLATION SHALL CONFORM WITH THE LATEST PROVISIONS OF PEC AS WELL AS PD

ALL ELECTRICAL WORKS SHALL BE DONE WITH DIRECT SUPERVISION OF PEE OR REE.

## ELECTRICAL SYMBOLS

	SERVICE ENTRANCE
	PANEL BOARD
	WATT-HOUR METER
	CIRCUIT BREAKERS
	SPECIAL OUTLET
	FLOURESCENT LAMP
	PIN LIGHT
	SWITCH LINE
	HOMERUN CONDUCTOR
	CONVENIENCE OUTLET
	THUMBLER SWITCH
	POST LAMP
	CHANDELLIER

## SINGLE LINE DIAGRAM



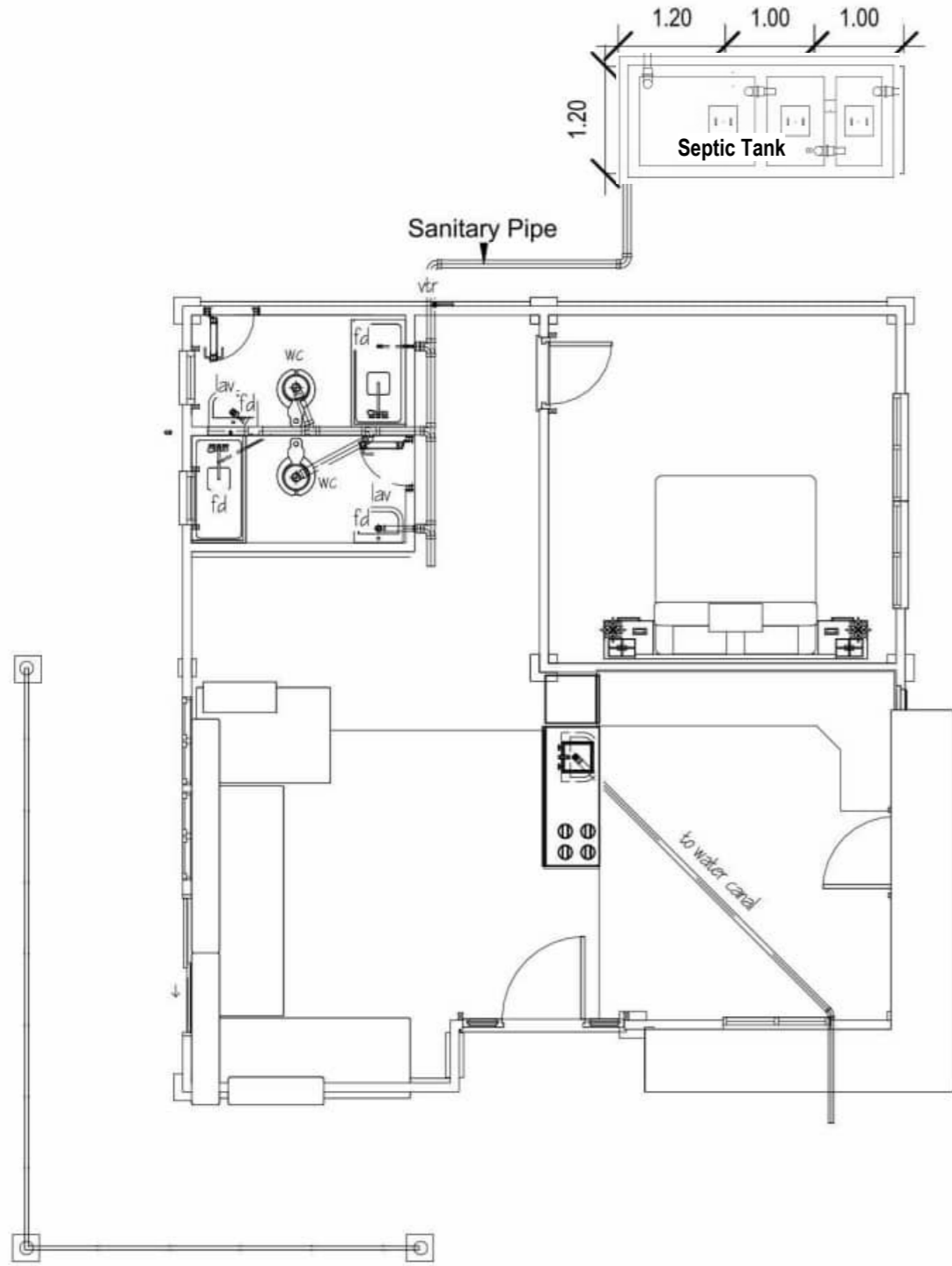
### SPECIFICATION:

- ALL ELECTRICAL WORKS HEREIN SHALL BE DONE IN ACCORDANCE WITH APPLICABLE PROVISION OF THE REQUIREMENT OF THE LOCAL AUTHORITIES ENFORCING THE CODE AND REQUIREMENTS OF THE LOCAL COMPANY CONCERNED.
- ALL WIRES SHALL BE COPPER TYPE THW IN POLYVINYL CHLORIDE (PVC) CONDUIT UNLESS OTHERWISE SPECIFIED.
- JUNCTION, UTILITY SQUARE AND PULL BOXES SHALL BE GA. #16 OR APPROVED EQUIVALENT AND PAINTED WITH ONE COAT PRIMER PRIOR TO INSTALLED.
- ALL MATERIALS TO BE USED BE BRAND NEW AND OF THE APPROVED TYPE FOR CONSTRUCTION.
- POWER SUPPLY SHALL BE 220V, 1ØIA, 60Hz Z WIRES.
- ALL WORKS HEREIN SHALL BE DONE UNDER THE DIRECT SUPERVISOR OF QUALIFIED AND DULY LICENSED ELECTRICAL ENGINEER OR MASTER ELECTRICIAN.
- MINIMUM SIZE OF CONDUCTOR SHALL BE NO. 3.5mm<sup>2</sup> THW IN 15mm Ø TRADE SIZE.
- MOUNTING HEIGHT FROM FINISH FLOOR LINE TO CENTER LINE OF DEVICES ARE AS FOLLOWS:
  - A. CONVENIENCE OUTLET = 0.30M
  - B. SWITCHES = 1.37M
  - C. PANEL BOARD/SAFETY SWITCHES = 1.37M
  - D. ELECTRICAL METER = 1.67M
  - E. OVERHEAD SERVICE ENTRANCE = 4.26M
- ALL VERTICAL AND HORIZONTAL CONDUIT SHALL BE CONCEALED OR EMBEDDED ON CONCRETE WALL AND FLOORS.
- ALL CONDUIT SHALL BE PROPERLY REAMED PRIOR TO INSTALLATION TO AVOID DAMAGE TO THE SKIN OF WIRE.

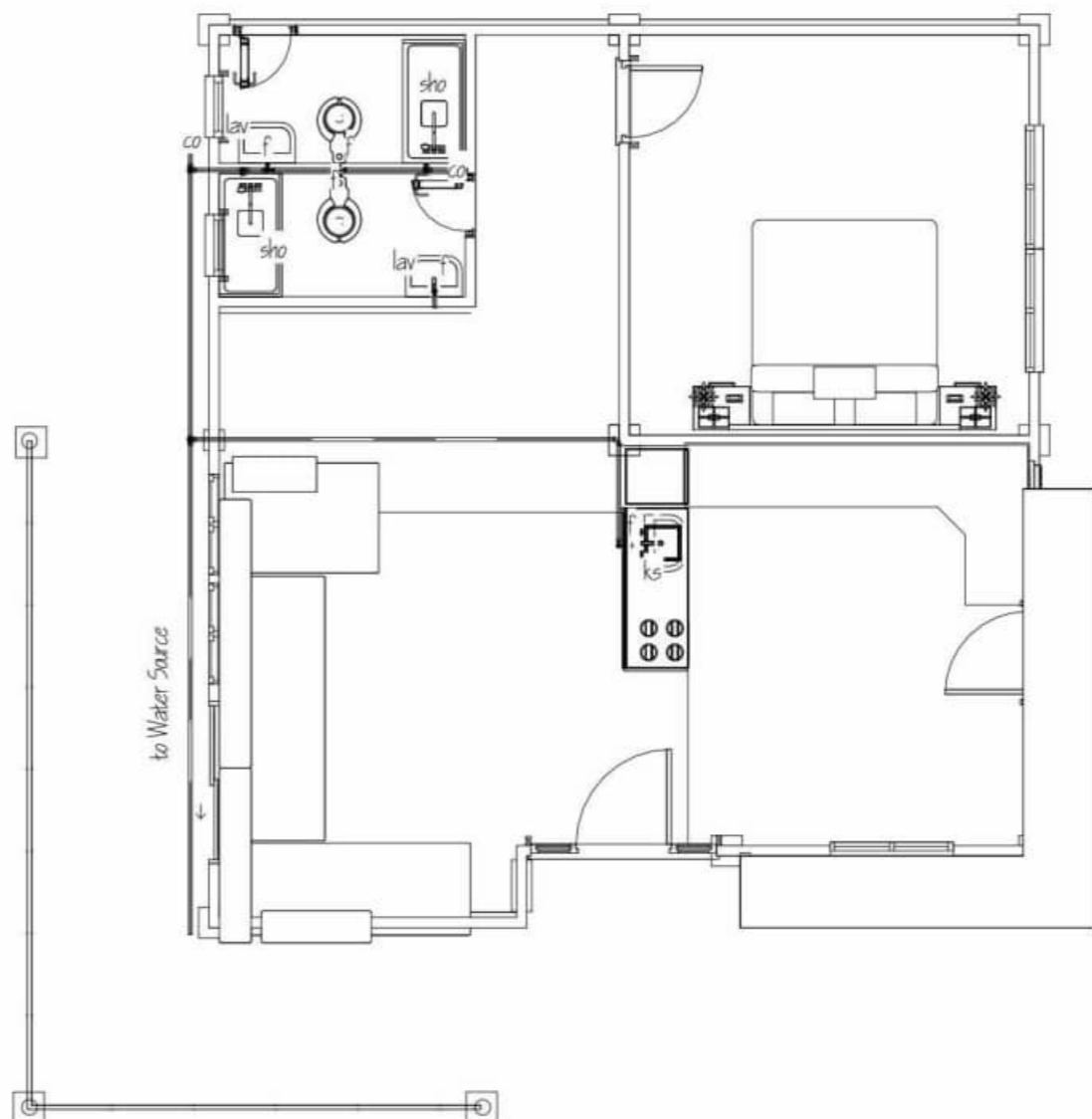
PREPARED BY:	PRC NO.: <b>2860</b>	SEAL	PROJECT TITLE :	CONFORMED BY :	Sheet no.
<b>ARNEL P. CANTERO</b> Prof. Electrical Engineer	PTR NO.:		<b>ELECTRICAL WIRING INSTALLATION</b>	<b>MR. RONDEL S. TAC-AN</b> Owner / Applicant	<b>E</b> <b>13 16</b>
	Date issued :				
	Issued at :				
	Valid Until:				
Location: Mahayahay Subdivision, Dao, Pagadian City			DRAWN BY: EDGAR D. CASEÑAS 09383120747		

# LEGEND

- WC WATER CLOSET
- LAV LAVATORY
- CB CATCH BASIN
- FD FLOOR DRAIN
- CO CLEAN OUT
- WATER LINE
- F FAUCET
- o VSTR VENT STACK THRU ROOF
- MH MAN HOLE
- ===== SOIL PIPE LINE
- ===== WASTE PIPE LINE
- KS KITCHEN SINK
- GT GREASE TRAP
- SV SEPTIC VAULT
- DS DOWN SPOUT
- WP WATER PUMP
- ➔ DIRECTION OF WATER FLOW
- ⊗ GATE VALVE
- ⌞ CHECK VALVE
- ⌒ ELBOW
- ⊥ TEE
- ⌒ WYE

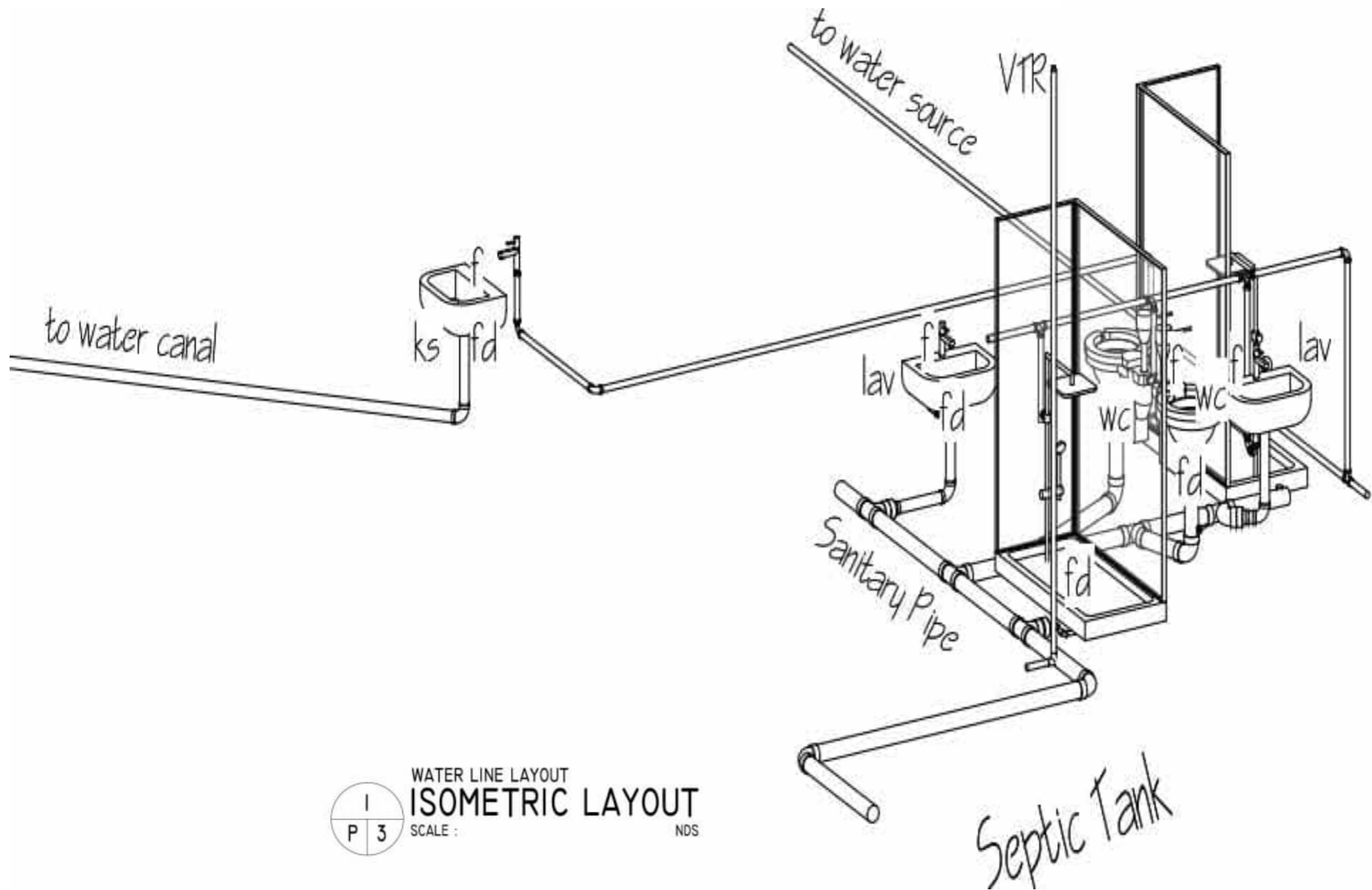


**SANITARY LINE LAYOUT**  
**FLOOR PLAN**  
 SCALE 1:100 MTS

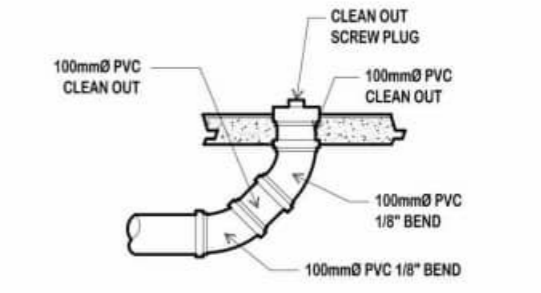


**WATER LINE LAYOUT**  
**FLOOR PLAN**  
 SCALE 1:100 MTS

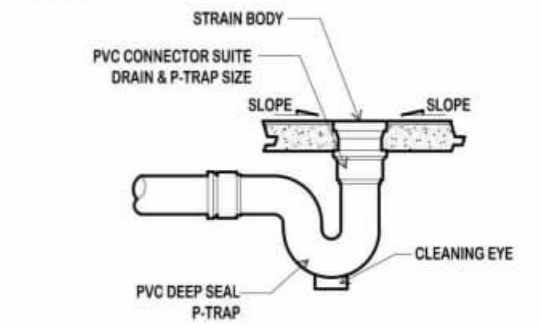
PREPARED BY:	PRC NO.:	SEAL	PROJECT TITLE :	CONFORMED BY :	Sheet no.
	PTR NO.:		<b>CONSTRUCTION OF ONE STOREY                  RESIDENTIAL BUILDING</b> Location: Mahayahay Subdivision, Dao, Pagadian City	<b>MR. RONDEL S. TAC-AN</b> Owner / Applicant	<div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; margin: 0 auto; display: flex; flex-direction: column; align-items: center; justify-content: center;"> <span style="font-size: 20px; font-weight: bold;">P</span> <span style="font-size: 24px; font-weight: bold;">14 16</span> </div>
	Date issued :				
	Issued at :				
	Valid Until:				
DRAWN BY: EDGAR D. CASEÑAS 09383120747					



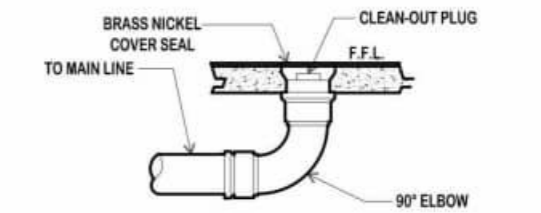
1  
P 3  
WATER LINE LAYOUT  
ISOMETRIC LAYOUT  
SCALE : NDS



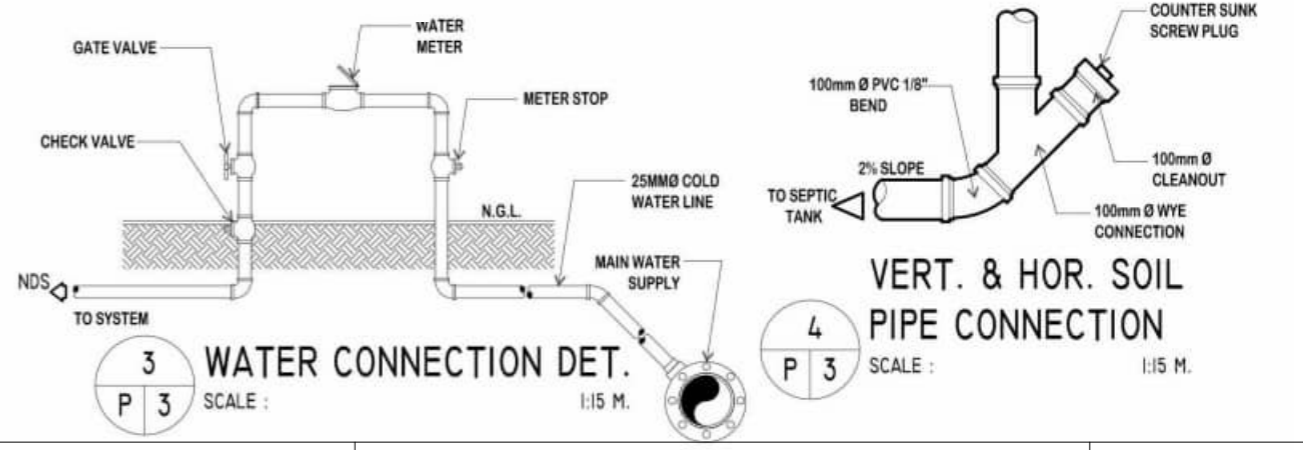
7  
P 3  
CLEAN OUT DETAIL  
STANDARD CONNECTION  
SCALE : 1:15 M.



6  
P 3  
FLOOR DRAIN DETAIL  
SCALE : 1:15 M.



5  
P 3  
FLUSH TYPE FLOOR  
CLEAN OUT DETAIL  
SCALE : 1:15 M.



3  
P 3  
WATER CONNECTION DET.  
SCALE : 1:15 M.

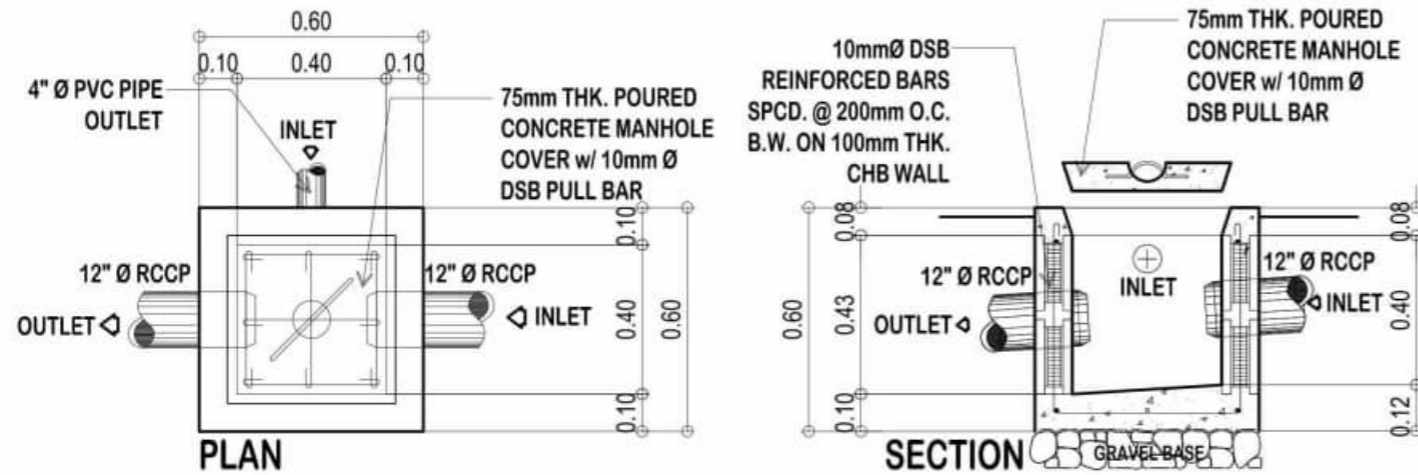
4  
P 3  
VERT. & HOR. SOIL  
PIPE CONNECTION  
SCALE : 1:15 M.

PREPARED BY:	PRC NO.:	SEAL	PROJECT TITLE :	CONFORMED BY :	Sheet no.
	PTR NO.:		<b>CONSTRUCTION OF ONE STOREY RESIDENTIAL BUILDING</b>	<b>MR. RONDEL S. TAC-AN</b> Owner / Applicant	P 15 16
	Date issued :				
	Issued at :				
	Valid Until:				
			Location: Mahayahay Subdivision, Dao, Pagadian City		

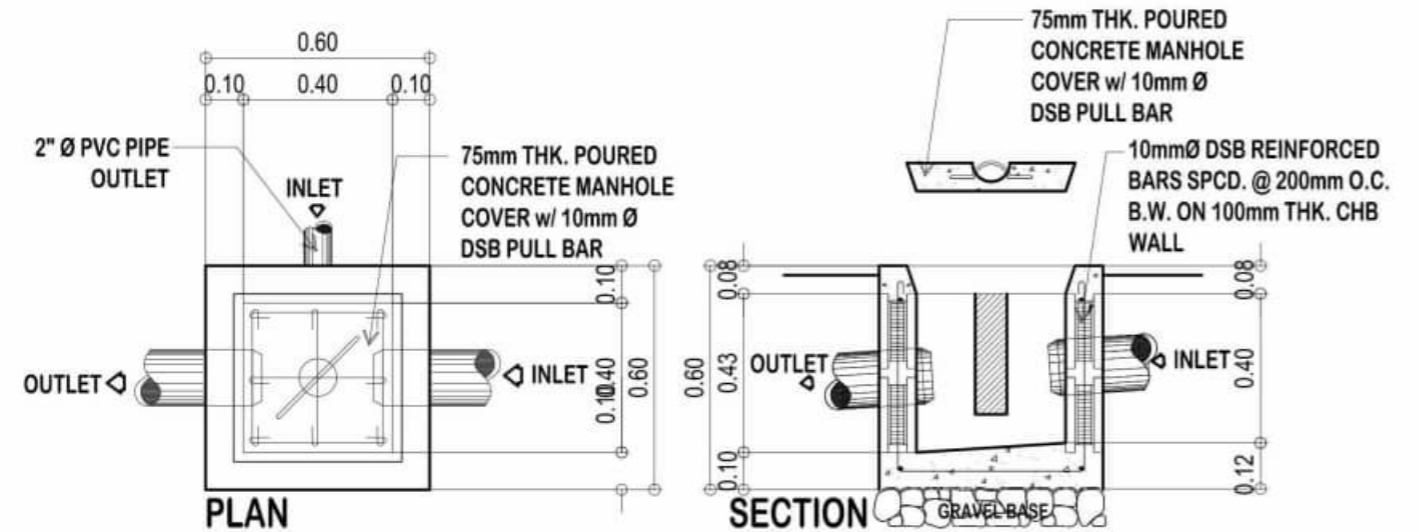
DRAWN BY: EDGAR D. CASENAS 09383120747

**GENERAL NOTES & SPECIFICATIONS**

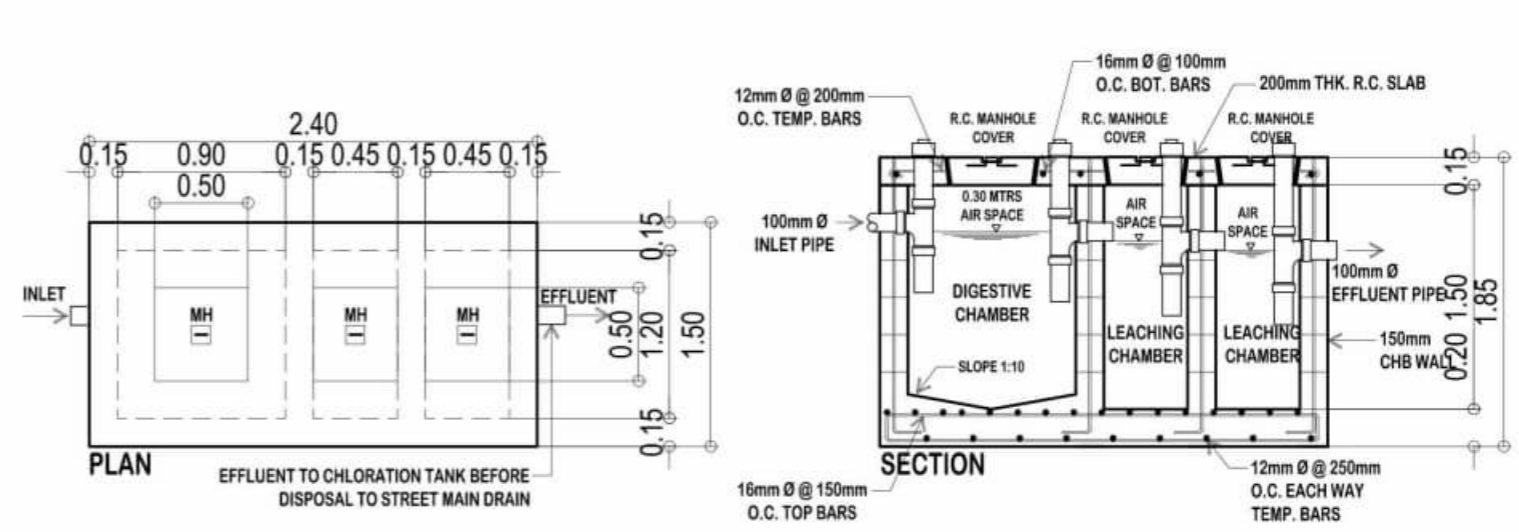
1. ALL SANITARY WORKS SHALL CONFORM WITH THE PREVAILING REQUIREMENTS OF THE LOCAL ORDINANCES AND NATIONAL LAWS.
2. THE ARCHITECT AND SANITARY ENGINEER OR MASTER PLUMBER SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCY FOUND THEREIN.
3. ALL PIPES SHALL BE INSTALLED AS INDICATED. ANY RELOCATION REQUIRED FOR PROPER EXECUTION OF OTHER TRADES SHALL BE WITH PRIOR APPROVAL FROM THE ARCHITECT.
4. ALL FIXTURES SHALL BE VENTED UNLESS OTHERWISE NOTED.
5. ALL WATER PIPES SHALL BE OF uPVC UNLESS OTHERWISE NOTED.



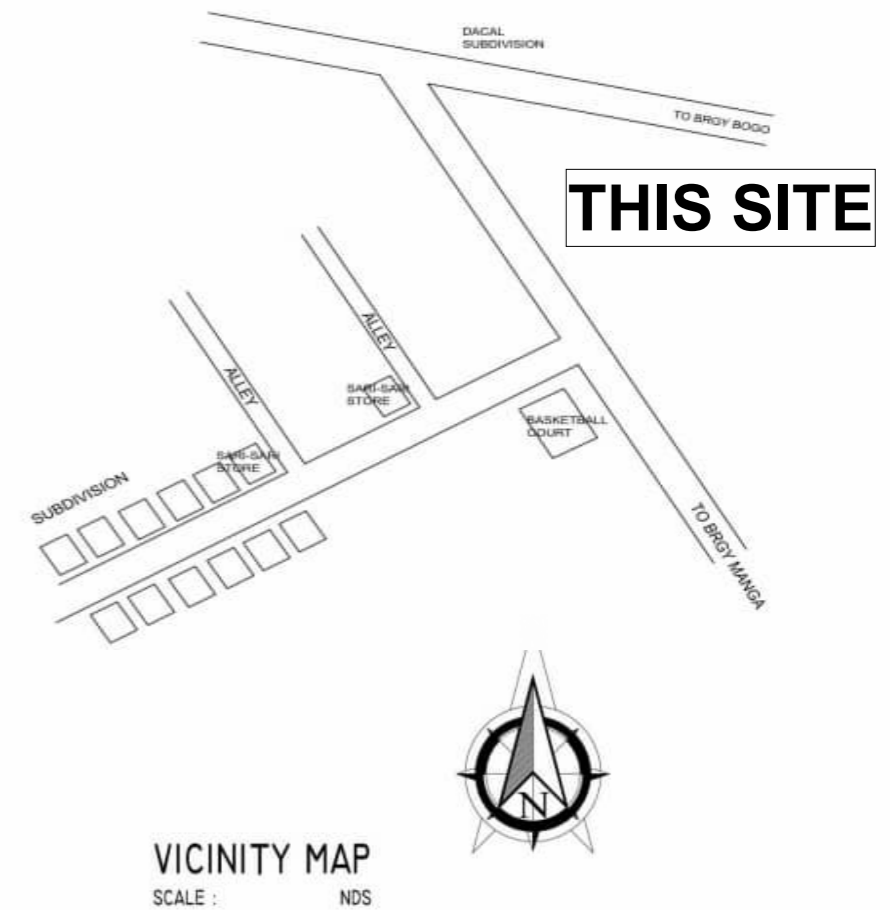
**2 CATCH BASIN SECTION DETAIL**  
SCALE: 1:20 M.



**1 GREASE TRAP SECTION DETAIL**  
SCALE: 1:20 M.



**3 SEPTIC TANK SECTION DETAIL**  
SCALE: 1:40 M.



PREPARED BY:	PRC NO.:	SEAL	PROJECT TITLE :	CONFORMED BY :	Sheet no.
	PTR NO.:		<b>CONSTRUCTION OF ONE STOREY RESIDENTIAL BUILDING</b>	<b>MR. RONDEL S. TAC-AN</b> Owner / Applicant	<b>P</b> <b>16 16</b>
	Date issued :				
	Issued at :				
	Valid Until:				
			Location: Mahayahay Subdivision, Dao, Pagadian City		