



1 PERSPECTIVE
NTS:

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REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
OFFICE OF THE BUILDING OFFICIAL
PROVINCE OF CEBU
CEBU CITY

DISTRICT / MUNICIPALITY / CITY

LAND USE AND ZONING

LINE AND GRADE

ARCHITECTURAL

STRUCTURAL

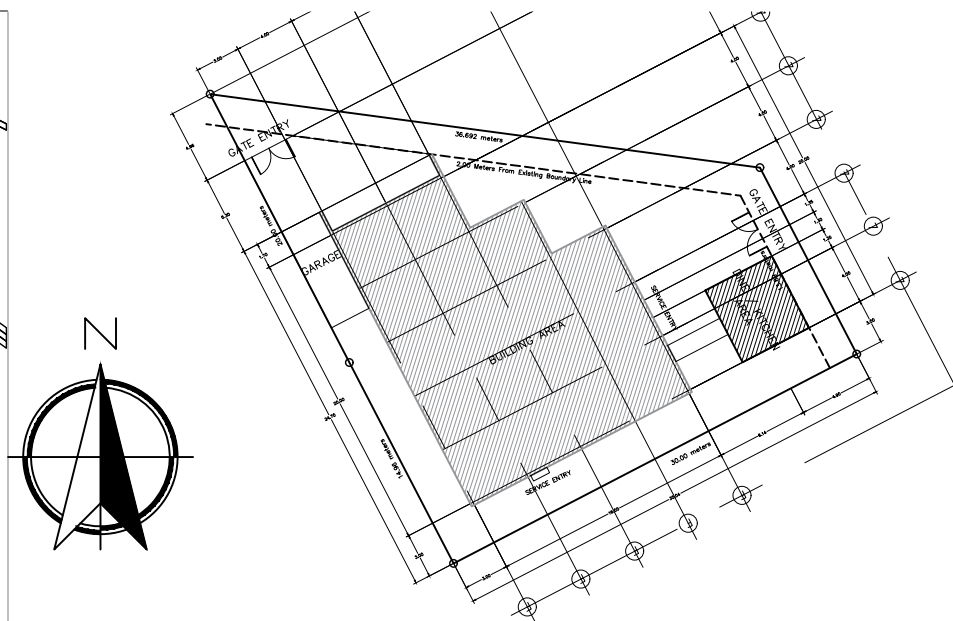
SANITARY

ELECTRICAL

MECHANICAL



2 VICINITY MAP
Scale: 1:8000



3 SITE DEVELOPMENT PLAN
Scale: 1:600

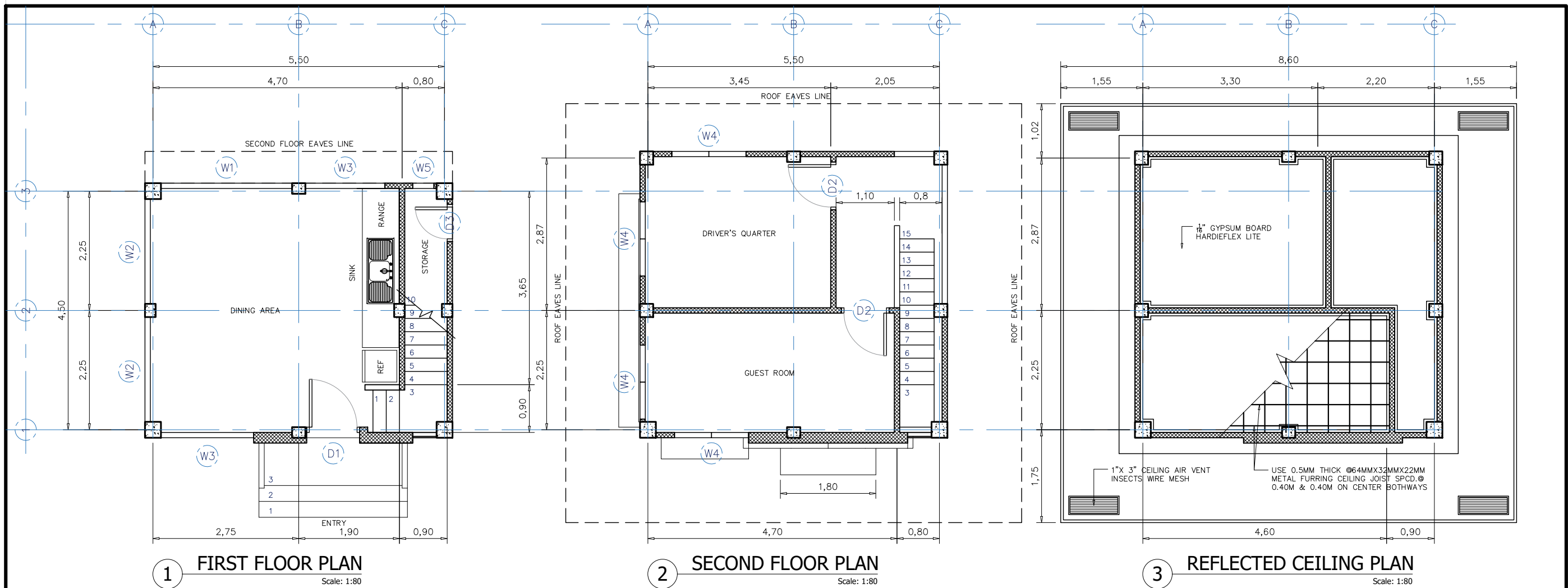


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NEW VSU-CEBU KITCHEN WITH DRIVER'S QUARTER	Engr. MARIO LILIO P. VALENZONA
Location :	Conformed by :
MOLAVE ST. LAHUG, CEBU CITY, CEBU PHILIPPINES 6000	Dr. DANIEL LESLIE S. TAN

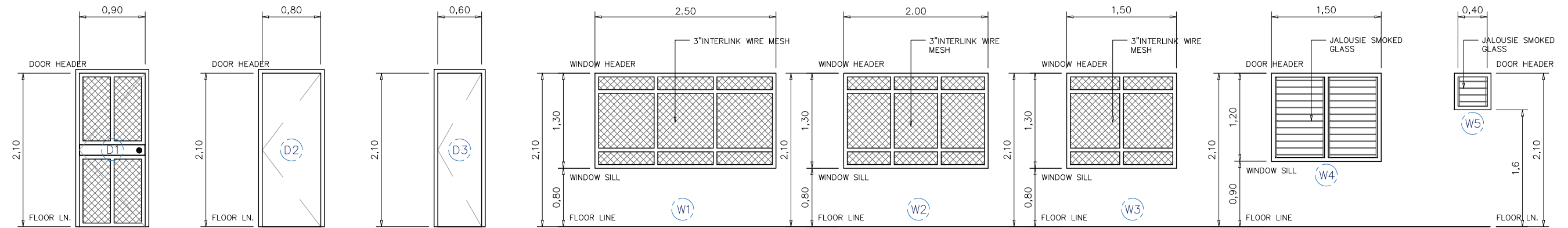
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Dr. EDGARDO E. TULIN	AutoCAD by :
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1 FIRST FLOOR PLAN
Scale: 1:80

2 SECOND FLOOR PLAN
Scale: 1:80

3 REFLECTED CEILING PLAN
Scale: 1:80



SCHEDULE OF DOORS Scale: 1:60M

NO. OF DOORS	DESIGNATION	HEIGHT	WIDTH	TRANSOM	NO. OF SET	REMARKS
D-1	SWING DOOR	2.10M	0.90M	NONE	1	USE SWING PANEL DOOR W/ 2"x 6" WOODEN JAMB
D-2	SWING DOOR	2.10M	0.80M	NONE	2	USE SWING PANEL FLUSH DOOR W/ 2"x 6" WOODEN JAMB
D-3	SWING DOOR	2.10M	0.60M	NONE	1	USE SWING PANEL FLUSH DOOR W/ 2"x 5" WOODEN JAMB
TOTAL	----	----	----	----	4	----

SCHEDULE OF WINDOWS Scale: 1:60M

NO. OF WINDOWS	DESIGNATION	HEIGHT	WIDTH	SILL HEIGHT	NO. OF SET	REMARKS
W-1	SCREEN TYPE	1.30M	2.50M	0.80M	1	USE 3" INTERLINK WIRE MESH W/ 2"x 6" WOODEN JAMB
W-2	SCREEN TYPE	1.30M	2.00M	0.80M	2	USE 3" INTERLINK WIRE MESH W/ 2"x 6" WOODEN JAMB
W-3	SCREEN TYPE	1.30M	1.50M	0.80M	2	USE 3" INTERLINK WIRE MESH W/ 2"x 6" WOODEN JAMB
W-4	JALOUSIE TYPE	1.20M	1.50M	0.90M	4	USE JALOUSIE SMOKED GLASS W/ 2"x 6" WOODEN JAMB
W-5	JALOUSIE TYPE	0.50M	0.40M	1.60M	1	USE JALOUSIE SMOKED GLASS W/ 2"x 6" WOODEN JAMB
TOTAL	----	----	----	----	10	----



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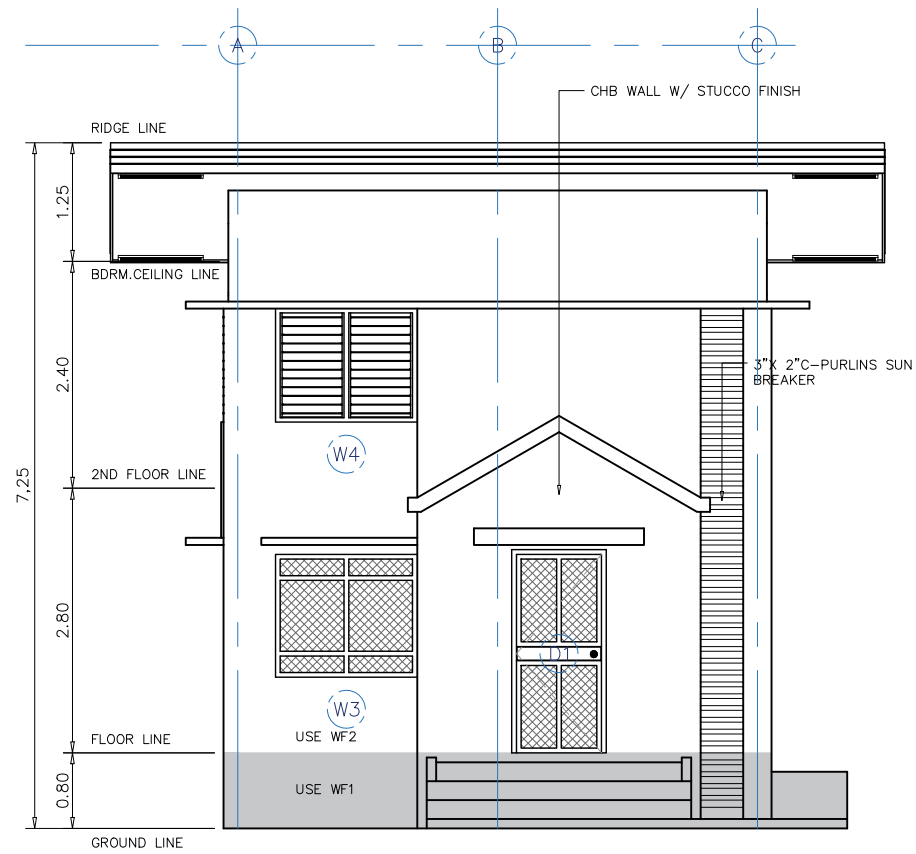
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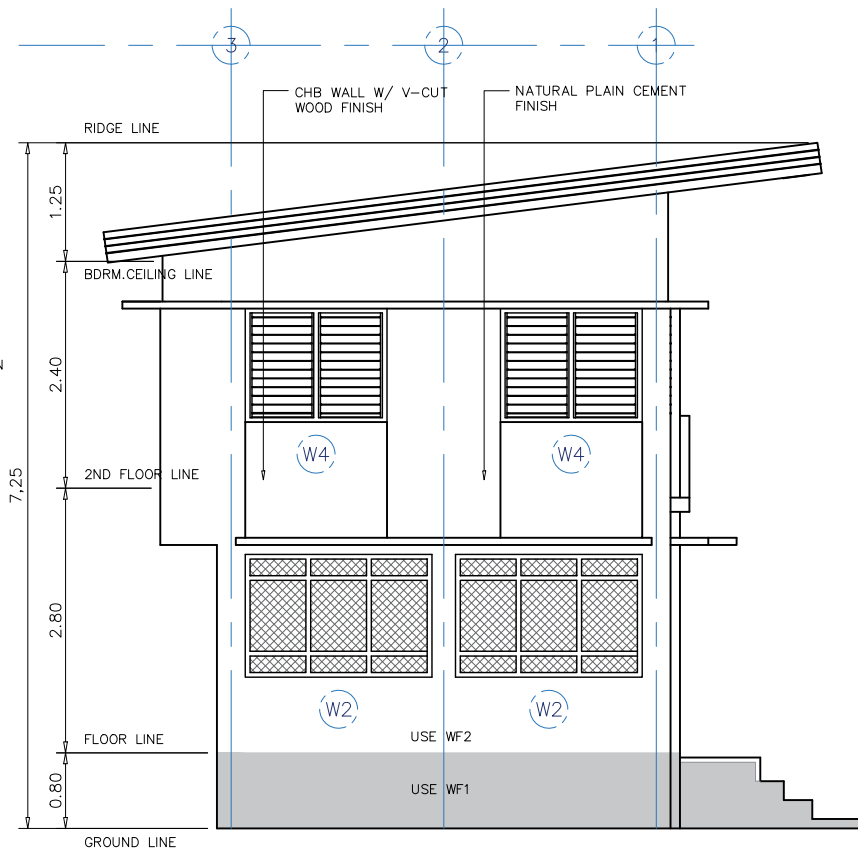
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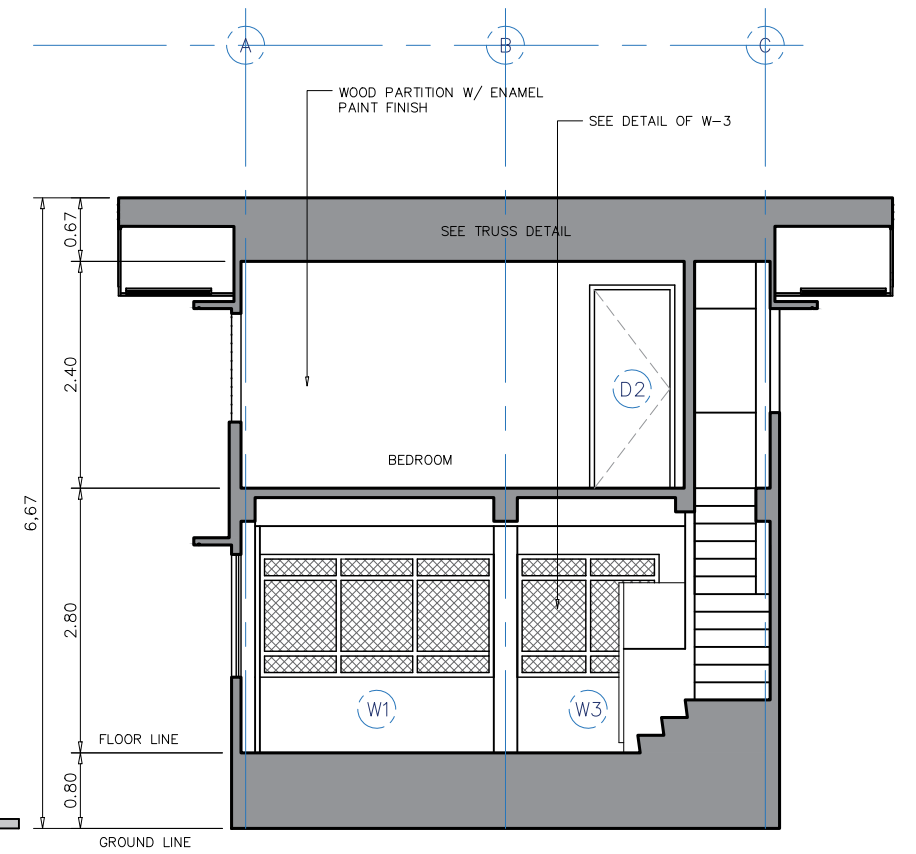
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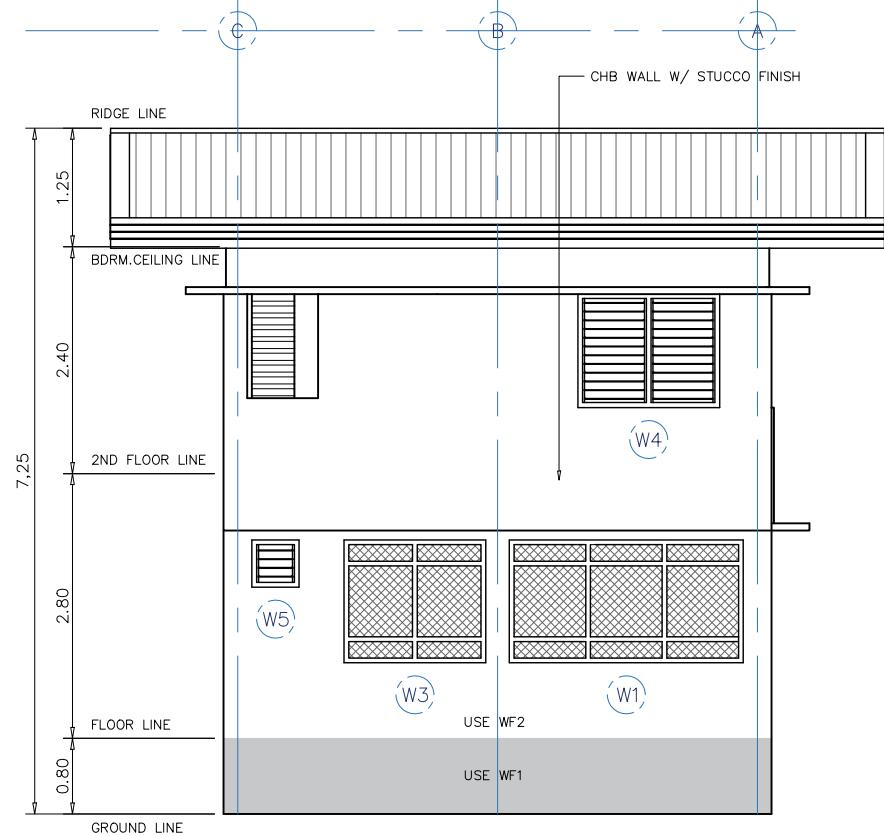
1 FRONT ELEVATION
Scale: 1:80



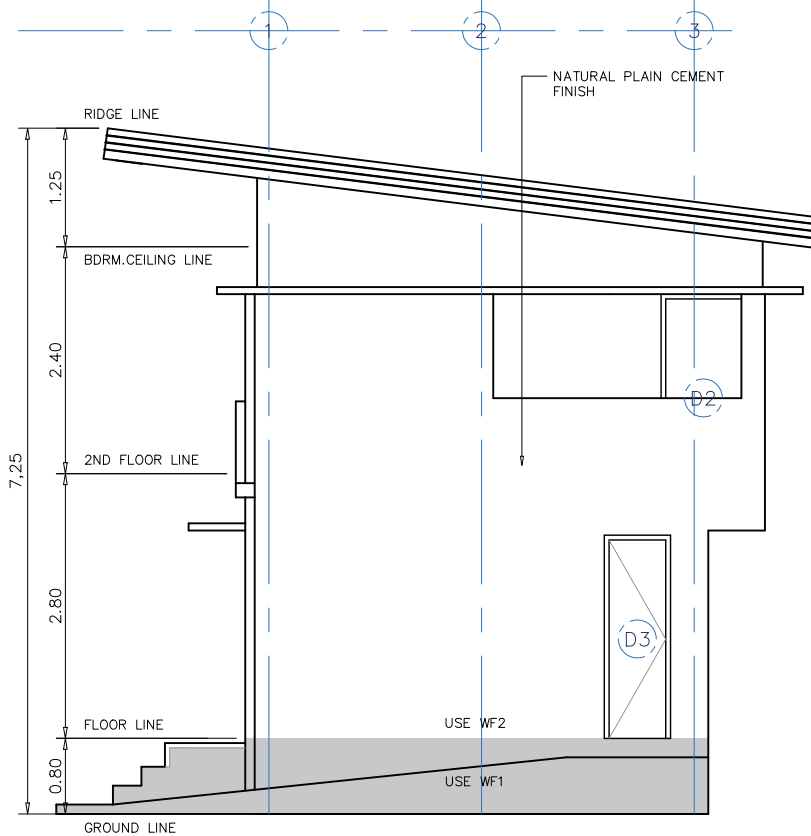
3 LEFT SIDE ELEVATION
Scale: 1:80



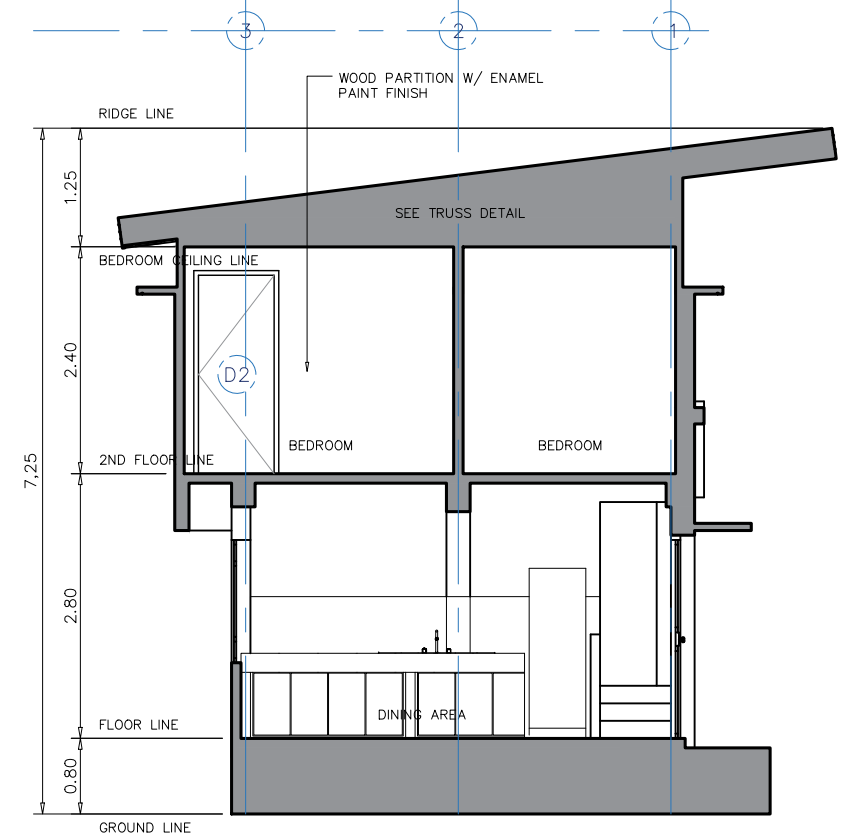
5 LONGITUDINAL SECTION-XX
Scale: 1:80



2 REAR ELEVATION
Scale: 1:80



4 RIGHT SIDE ELEVATION
Scale: 1:80



6 CROSS SECTIONAL -YY
Scale: 1:80



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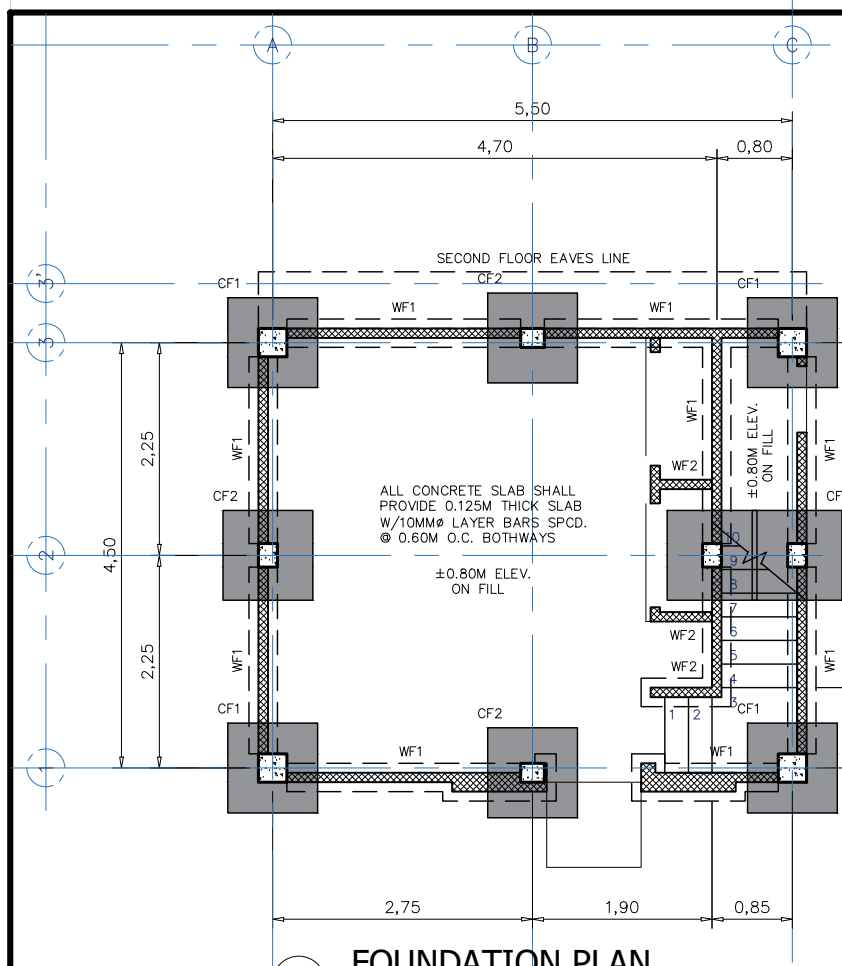
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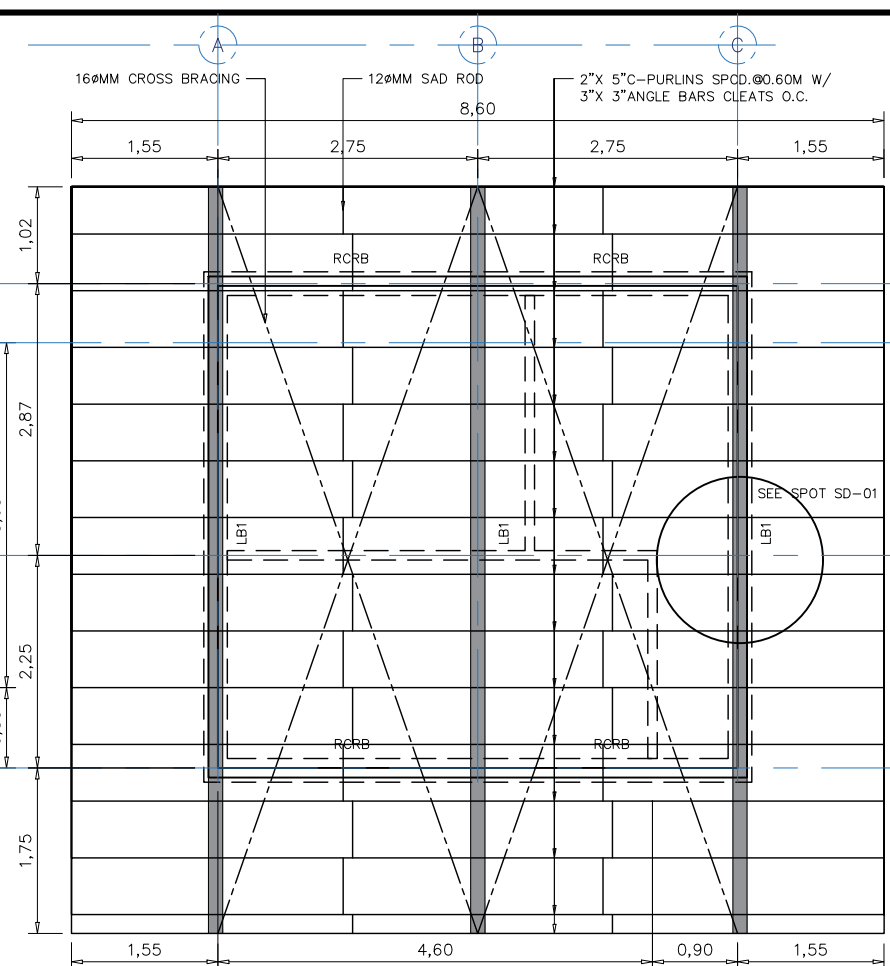
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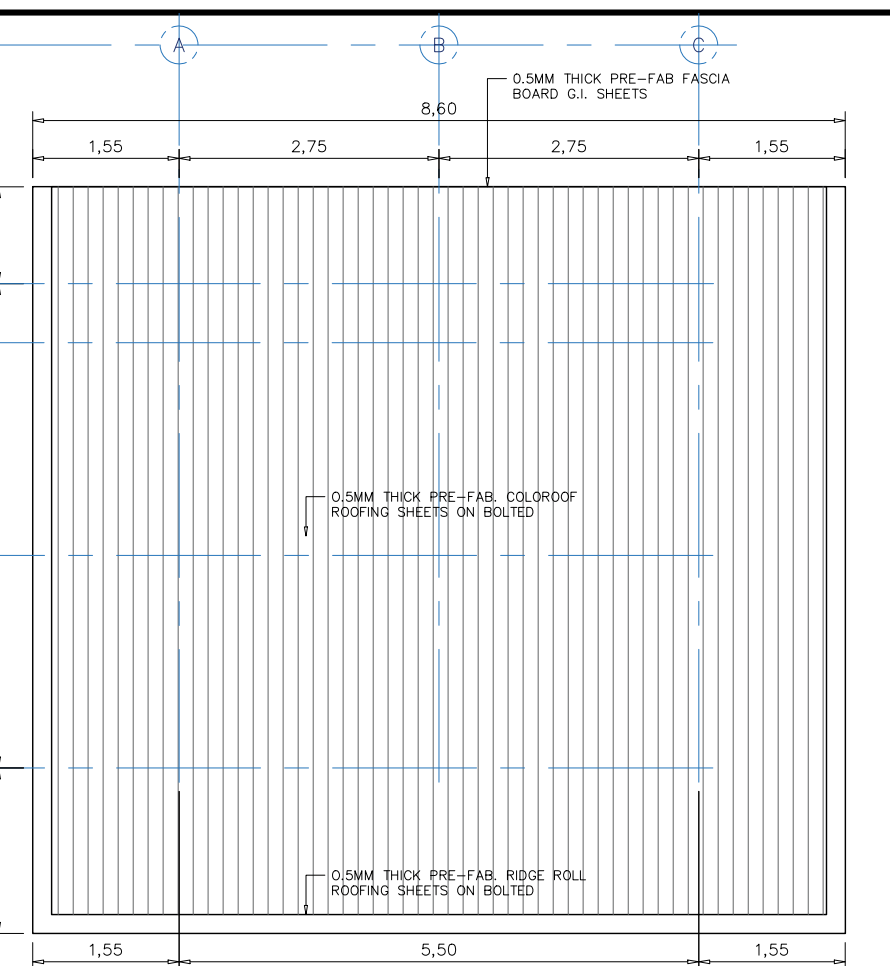
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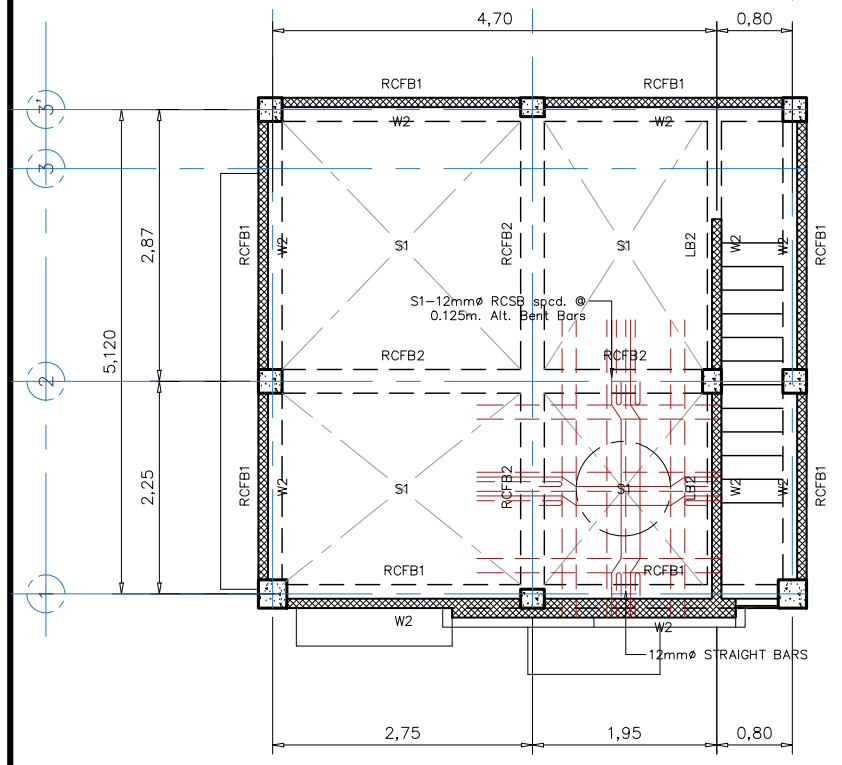
1 FOUNDATION PLAN
Scale: 1:80



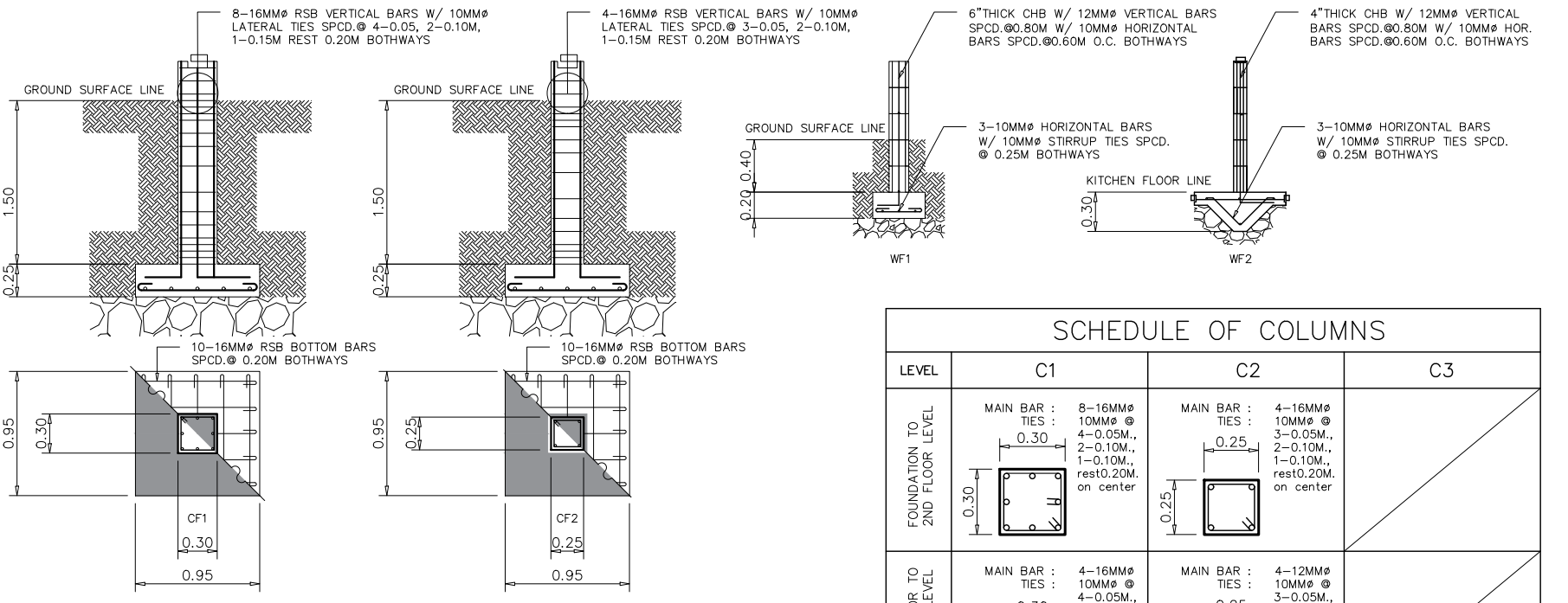
3 2ND FLOOR FRAMING PLAN
Scale: 1:80



4 ROOF PLAN
Scale: 1:80



2 2ND FLOOR FRAMING PLAN
Scale: 1:80



5 DETAIL OF R.C. COLUMNS & FOOTINGS
Scale: 1:50

SCHEDULE OF COLUMNS			
LEVEL	C1	C2	C3
FOUNDATION TO 2ND FLOOR LEVEL	MAIN BAR : 8-16MM Ø TIES : 10MM Ø @ 0.30 4-0.05M., 2-0.10M., 1-0.10M., rest 0.20M. on center	MAIN BAR : 4-16MM Ø TIES : 10MM Ø @ 0.25 3-0.05M., 2-0.10M., 1-0.10M., rest 0.20M. on center	
SECOND FLOOR TO ROOF BEAM LEVEL	MAIN BAR : 4-16MM Ø TIES : 10MM Ø @ 0.30 4-0.05M., 2-0.10M., 1-0.10M., rest 0.20M. on center	MAIN BAR : 4-12MM Ø TIES : 10MM Ø @ 0.25 3-0.05M., 2-0.10M., 1-0.10M., rest 0.20M. on center	



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NEW VSU-CEBU KITCHEN WITH DRIVER'S QUARTER
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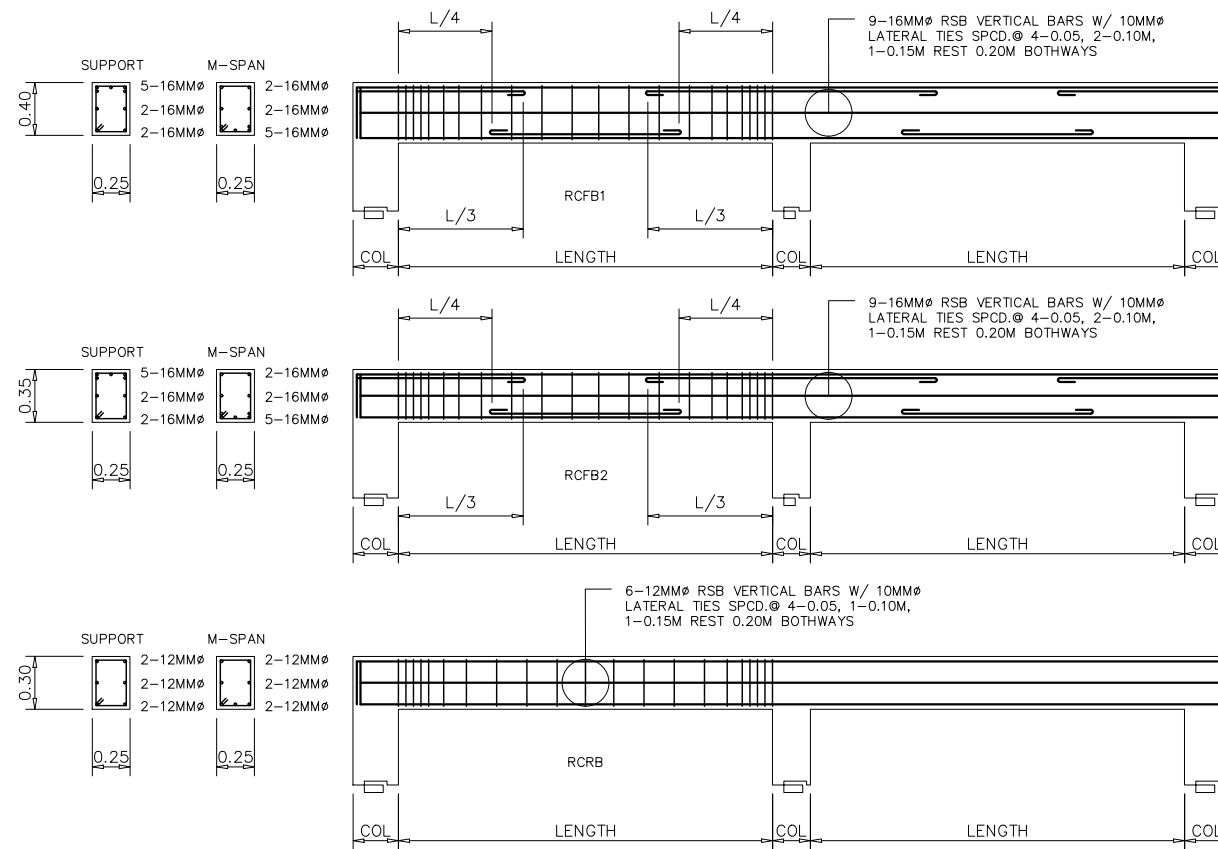
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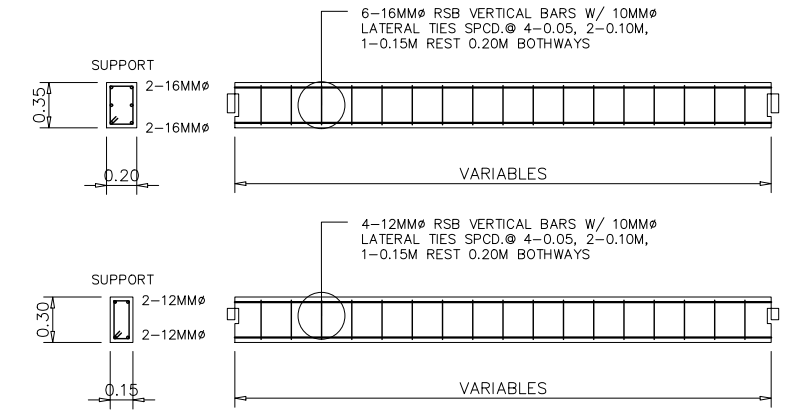
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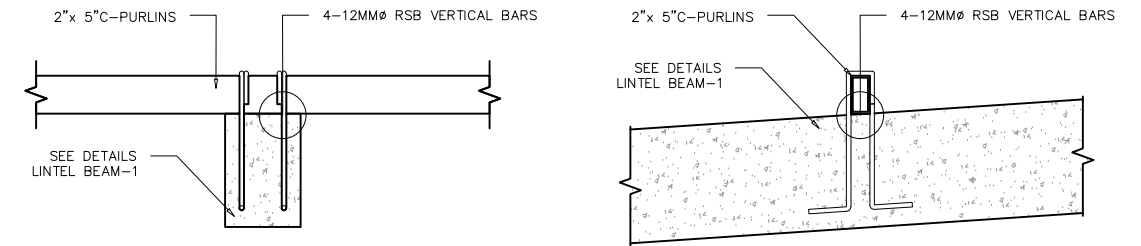
S2 01
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 04 09



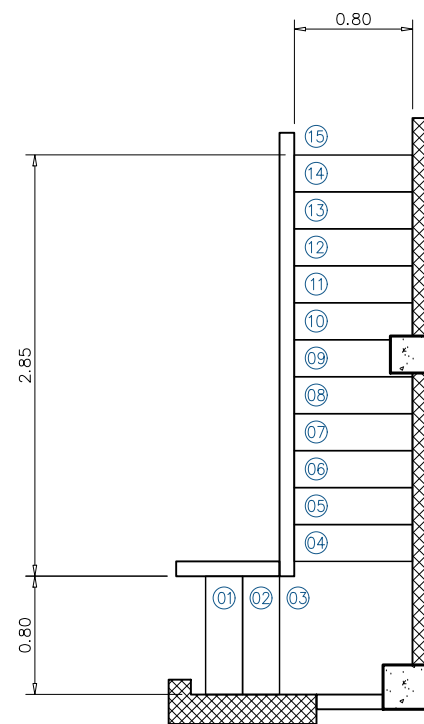
1 DETAIL OF R.C. BEAMS
Scale: 1:50



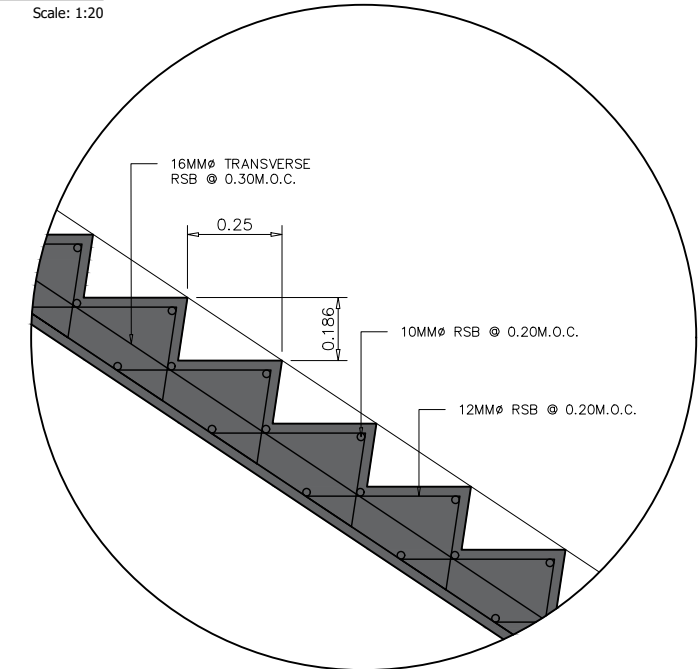
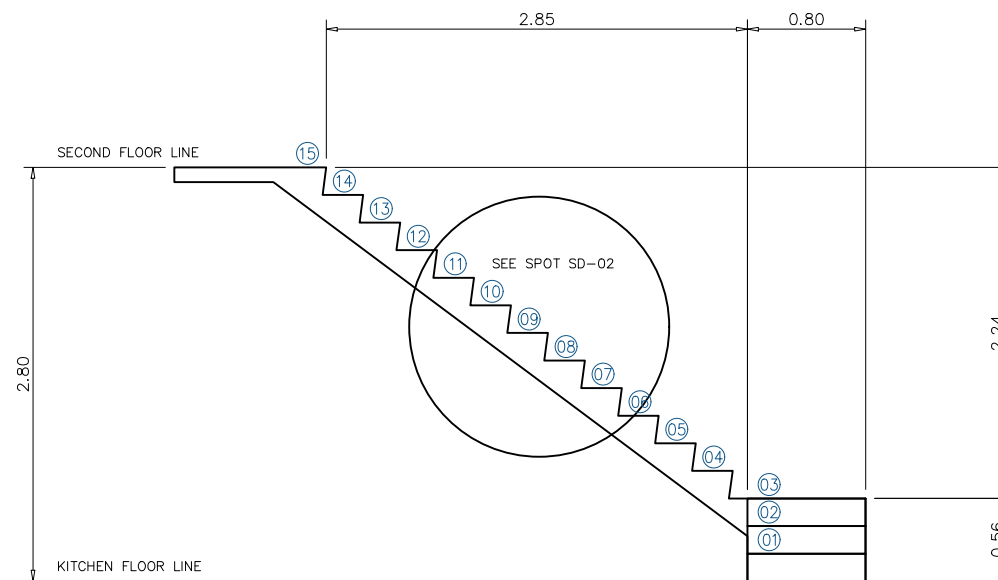
3 DETAIL OF R.C. LINTEL BEAMS
Scale: 1:50



4 SPOT DETAIL - 01
Scale: 1:20



2 DETAIL OF R.C. STAIR
Scale: 1:50



5 SPOT DETAIL - 02
Scale: 1:20



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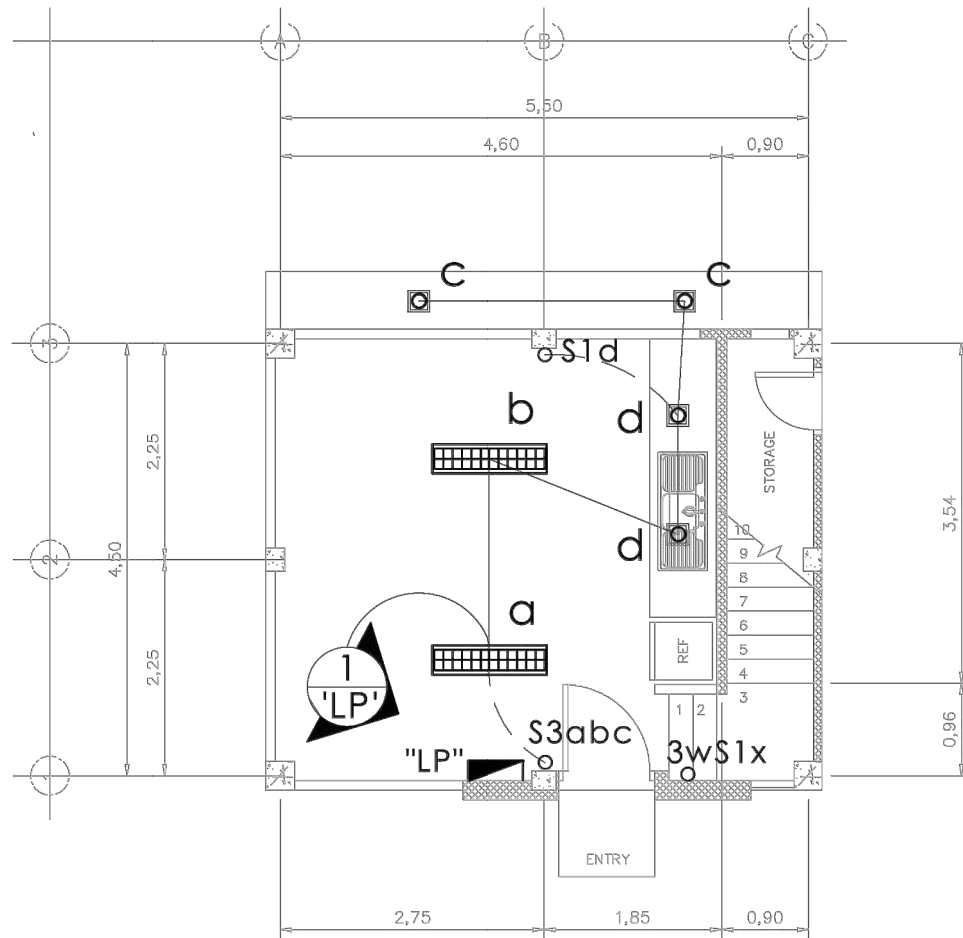
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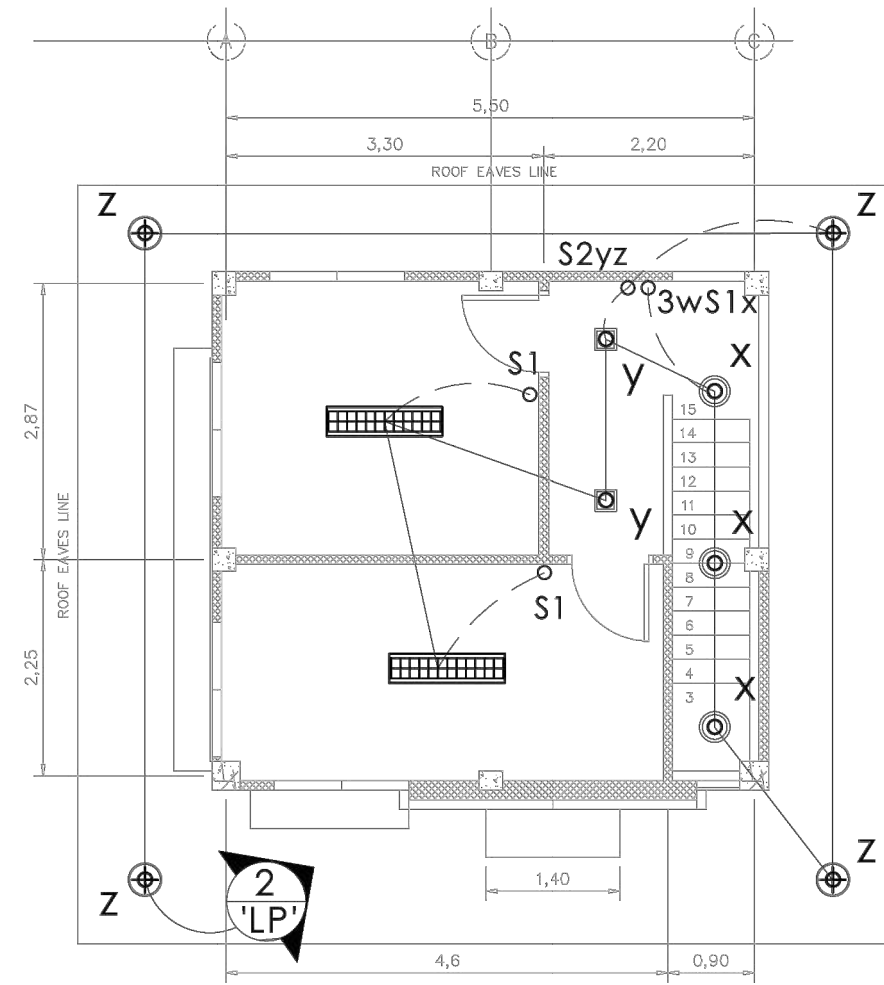
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AutoCAD by :	SHEET NO.	
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Date Finished :		
Place :		



1
GROUND FLOOR
LIGHTING LAY-OUT
SCALE 1 : 80 M



2
SECOND FLOOR
LIGHTING LAY-OUT
SCALE 1 : 80 M



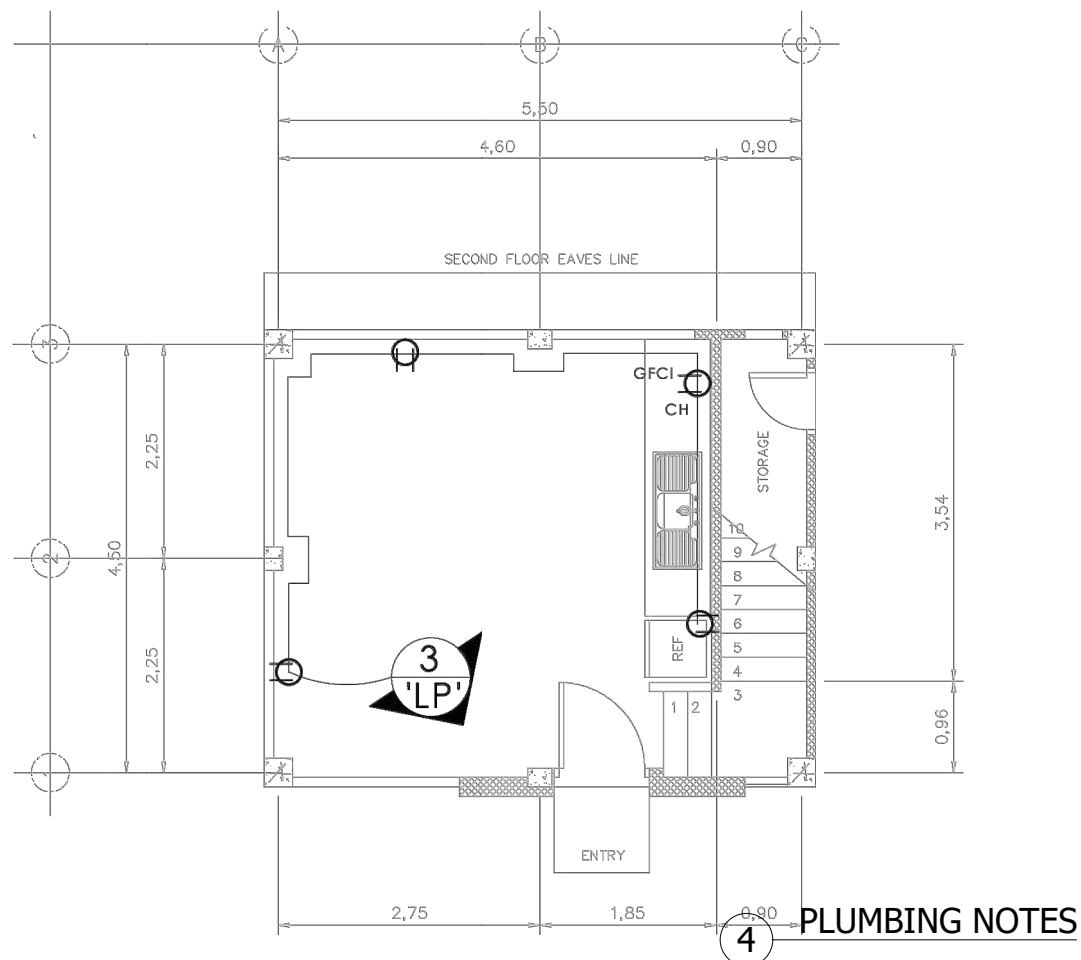
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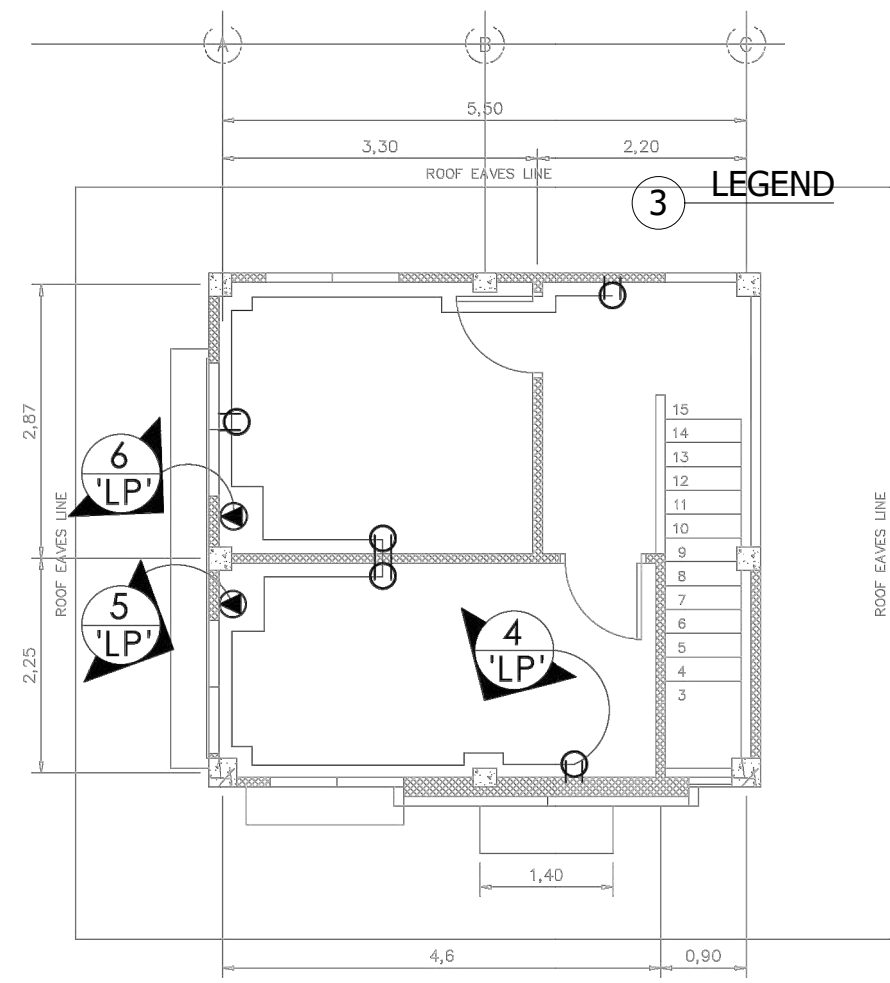
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NEW VSU-CEBU KITCHEN WITH DRIVER'S QUARTER	Engr. MARIO LILIO P. VALENZONA
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	MOLAVE ST. LAHUG, CEBU CITY, CEBU PHILIPPINES 6000

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VP OF ADMINISTRATIVE AND FINANCE	VSU PRESIDENT

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AutoCAD by :	SHEET NO.
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1
GROUND FLOOR
POWER LAY-OUT
E-2 SCALE 1 : 80 M



2
SECOND FLOOR
POWER LAY-OUT
E-2 SCALE 1 : 80 M



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 ELECTRICAL ENGINEER

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 Location : MOLAVE ST. LAHUG, CEBU CITY, CEBU PHILIPPINES 6000

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1 GENERAL NOTES
E-3 NOT TO SCALE

- ALL ELECTRICAL WORKS SHALL COMPLY IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS. THE APPLICABLE PROVISIONS OF THE LATEST EDITION OF THE PHILIPPINE ELECTRICAL CODE (PEC), THE RULES AND REGULATIONS OF THE LOCAL ENFORCING AUTHORITY AND THE REQUIREMENTS OF THE LOCAL POWER COMPANY. THE ELECTRICAL WORKS SHALL BE UNDER IMMEDIATE SUPERVISION OF A DULLY REGISTERED ELECTRICAL ENGINEER.
- THE ELECTRICAL SERVICE POWER IS 1 - PHASE, 2 WIRE (LINE AND NEUTRAL) 230 V AC, 60Hz.
- WIRING METHOD SHALL BE AS FOLLOWS :
 - FEEDERS AND RISERS - POLYVINYL CHLORIDE CONDUIT
 - LIGHTING, POWER RECEPTACLE
BRANCH CKT., & AUXILLARY - POLYVINYL CHLORIDE CONDUIT
- ALL WIRES SHALL BE COPPER AND THERMOPLASTIC INSULATED TYPE "THHN" UNLESS OTHERWISE INDICATED IN THE PLAN. THE MINIMUM SIZE OF WIRE FOR POWER AND LIGHTING CIRCUIT HOME RUN SHALL BE 3.5 mm AND INSULATED FOR 600 VOLTS. SMALLEST RACEWAY SHALL BE 15 mm2 TRADE/NOMINAL SIZE. LIKEWISE ALL ELECTRICAL WIRES SHALL BE COLOR CODED.
- ALL OUTLET BOXES SHALL BE GALVANIZED GAGE NO. 16 DEEP TYPE WITH FACTORY KNOCKOUTS.
- ALL MATERIALS TO BE USED SHALL BE BRAND NEW AND APPROVED TYPE FOR THE PARTICULAR LOCATION AND PURPOSE OF USAGE.
- EQUIPMENT GROUNDING SYSTEM SHALL BE PROVIDED TO ELECTRICAL SYSTEM AS PER ELECTRICAL CODE REQUIREMENT.
- MOUNTING HEIGHT OF WIRING DEVICES SHALL BE AS FOLLOWS :
 - LIGHT SWITCH - 1.20 M ABOVE FINISHED FLOOR
 - CONVENIENCE OUTLET - 0.30 M ABOVE FINISHED FLOOR
 - PANELBOARD - 1.80 M ABOVE FINISHED FLOOR
 - FIRE ALARM STATION OUTLET - 1.50 ABOVE FINISHED FLOOR
 - PUSH BOTTON OUTLET - 1.20 M ABOVE FINISHED FLOOR
 - FIRE ALARM AND VIBRATING BELL - 0.30 M BELOW CEILING LINE

2 LEGEND & SYMBOLS
E-3 NOT TO SCALE

- 3 WATTS SQUARE LIGHT
- 7 WATTS CIRCULAR PINLIGHT
- 2x40W FLOURESCENT LAMP LIGHTING FIXTURE
- TWO GANG WITH GROUND PRONG CONVENIENCE OUTLET
- _{CH} TWO GANG WITH GROUND PRONG CONVENIENCE OUTLET (COUNTER HEIGHT)
- _{GFCI} GROUND FAULT CIRCUIT INTERUPTER RECEPTACLE OUTLET (TWO GANG WITH GROUND PRONG)
- AIRCONDITIONING OUTLET
- PANEL BOARD WITH NEMA ENCLOSURE

PANEL : " LP " MOUNTING : FLUSH MAIN : 70AT/70AF, 2P, 10KAIC, @ 240 V, MCCB

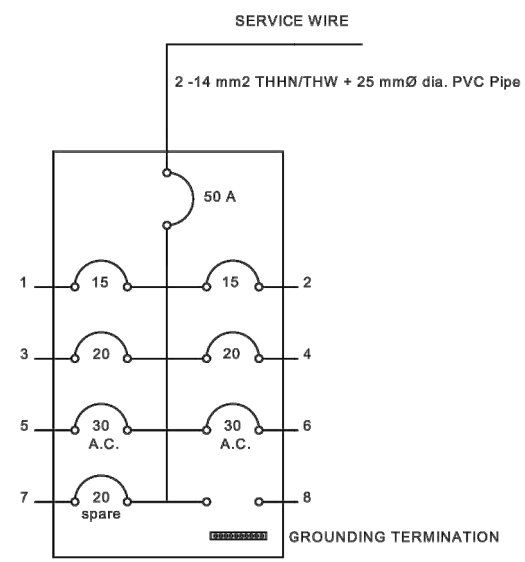
CKT. NO.	DESCRIPTION	LOAD (VA)	CURRENT (A)	CIRCUIT BREAKER				WIRES & CONDUIT	
				VOLT	POLE	A.T.	A.F.		TYPE
1	LIGHTING OUTLET	172	0.717	240	2	15	50	MCCB	2-3.5 mm2 THHN/THW + 1-3.5 mm2 TW (G) in 20 mm dia. PVC
2	LIGHTING OUTLET	215	0.896	240	2	15	50	MCCB	2-3.5 mm2 THHN/THW + 1-3.5 mm2 TW (G) in 20 mm dia. PVC
3	RECEPTACLE OUTLET	800	3.33	240	2	20	50	MCCB	2-3.5 mm2 THHN/THW + 1-3.5 mm2 TW (G) in 20 mm dia. PVC
4	RECEPTACLE OUTLET	1000	4.167	240	2	20	50	MCCB	2-3.5 mm2 THHN/THW + 1-3.5 mm2 TW (G) in 20 mm dia. PVC
5	1.0 HP ACCU	1920	8.00	240	2	30	50	MCCB	2-3.5 mm2 THHN/THW + 1-3.5 mm2 TW (G) in 20 mm dia. PVC
6	1.0 HP ACCU	1920	8.00	240	2	30	50	MCCB	2-5.5 mm2 THHN/THW + 1-3.5 mm2 TW (G) in 20 mm dia. PVC
7	SPARE	1000	4.12	240	2	30	50	MCCB	20 mm dia. PVC conduit stud
8	TOTAL	7027	29.28						

SERVICE CALCULATION
ESTIMATED CURRENT LOAD (A)
= 29.28 X .9 A
= 26.352 A

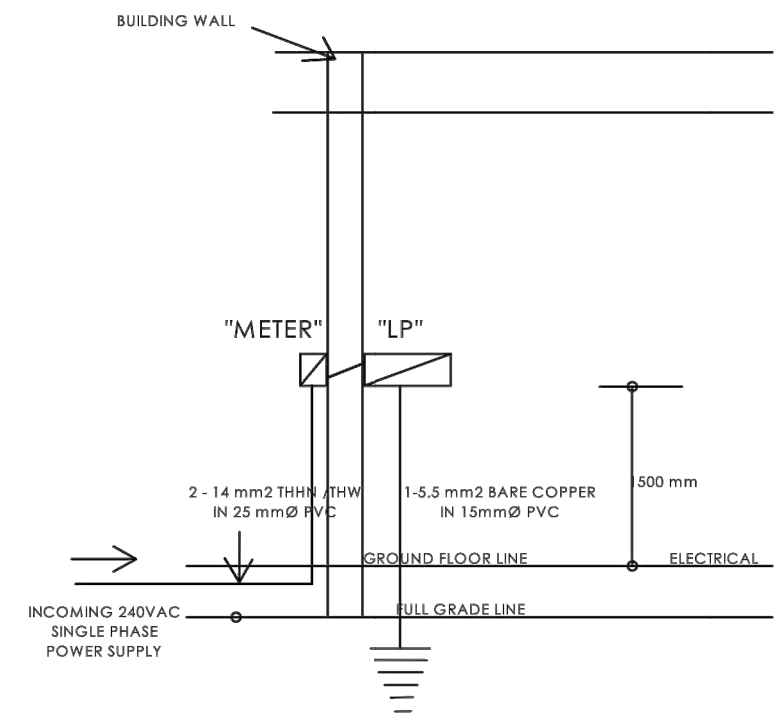
MAIN SERVICE: ALLOWING 2% VOLTAGE DROP FROM TRANSFORMER TO LP
USE: 2- 14 mm2 THHN/THW copper wire in 25 mm diameter SCHEDULE 80 PVC PIPE

SERVICE PROTECTION:
USE: 50 AT/50AF, 2P, 10KAIC, @ 240 V, MCCB

3 SCHEDULE OF LOADS
E-3 NOT TO SCALE



4 SINGLE LINE DIAGRAM
E-3 NOT TO SCALE



5 RISER DIAGRAM
E-3 NOT TO SCALE



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ELECTRICAL ENGINEER

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CHECKED BY: ENGR. MARIO LILIO P. VALENZONA
DATE: 09/09/2023

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