



BID BULLETIN 02

Date: 06 October 2023

Project Title: **Construction of New VSU Cebu Kitchen with Driver's Quarter- Rebidding (VSU-INFRA-23-05-R)**

Location: VSU Main, Visca, Baybay City, Leyte

Bidders are hereby informed/reminded of the following addendums/amendments/clarifications:

I. LIST OF REQUIREMENTS

(1st Envelope) TECHNICAL COMPONENT ENVELOPE	
<i>Legal Documents</i>	
1	Valid PhilGEPS Certificate of Registration (Platinum) (all pages)
<i>Technical Documents</i>	
2	Statement of All On-Going Government & Private Contracts
3	Statement of the bidder's Single Largest Completed Contract (SLCC) similar to the contract to be bid, except under conditions provided under the rules, at least 50% of the ABC or at least Seven Hundred Fifty Thousand Pesos (PhP 750,000.00)
4	PCAB License (at least Small B)
5	Bid Security
6	Organizational Chart for the contract to be bid
7	List of contractor's key personnel (e.g., Project Manager, Project Engineers, Materials Engineers, Safety Officer, and Foremen), to be assigned to the contract to be bid, with their complete qualification and experience data (see Section III. Bid Data Sheet for the minimum requirement)
8	List of contractor's major equipment units, which are owned, leased, and/or under purchase agreements, supported by proof of ownership or certification of availability of equipment from the equipment lessor/vendor for the duration of the project, as the case may be (see Section III. Bid Data Sheet for the minimum requirement)
9	Original Duly Signed Omnibus Sworn Statement
<i>Financial Documents</i>	
10	The Supplier's Audited Financial Statements
11	Net Financial Contracting Capacity (at least PhP 1,500,000.00)
(2nd Envelope) FINANCIAL COMPONENT ENVELOPE	
12	Original of duly signed and accomplished Financial Bid Form
13	Original of duly signed Bid Prices in the Bill of Quantities
14	Duly accomplished Detailed Estimates Form, including a summary sheet indicating the unit prices of construction materials, labor rates, and equipment rentals used in coming up with the Bid
15	Cash Flow by Quarter



II. Preparation of Electronic Bid (for bidders who prefer electronic bid submission)

1. **Scan per document** into Portable Document Format (PDF) and should be printable ble.
2. Properly label all documents for prompt identification. Filename of documents, whichever are applicable to the bidder, should be as follows:

Document	Filename (in PDF form)
1. PhilGEPS Certificate of Registration (Platinum)	PhilGEPS
2. Statement of On-Going Government & Private Contracts	Statement of On-Going Contracts
3. Statement of Bidder's Single Largest Completed Contract	SLCC
4. PCAB License	PCAB License
5. Bid Security	Bid Security
6. Organizational Chart for the contract to be bid	Organizational Chart
7. List of contractor's key personnel	List of Contractor's Personnel
8. List of contractor's major equipment units	List of Contractor's Equipment
9. Original duly signed Omnibus Sworn Statement (OSS)	Omnibus Sworn Statement
10. Audited Financial Statements	Audited Financial Statements
11. Contractor's NFCC	NFCC
12. Financial Bid Form	Bid Form
13. Bid prices in the Bill of Quantities	Bill of Quantities
14. Detailed estimates, including a summary sheet indicating the unit prices of construction materials, labor rates, and equipment rentals used in coming up with the Bid	Detailed Estimates
15. Cash flow by quarter or payment schedule	Cash Flow

3. Create two (2) folders that are password-protected. The first folder should contain all requirements under Technical Component checklist as presented under Section VIII. The second folder should contain all requirements under Financial Component checklist.
4. Compress the two (2) folders and name as follows: a) first folder: **Technical Documents**, b) second folder: **Financial Documents**.
5. Email the 2 compressed folders to Mr. Leopoldo S. Escala Jr. at leopoldo.escala@vsu.edu.ph before the dead.

III. Payment for Bidding Documents

The Bidders may deposit the applicable fee for the bidding documents (PhP 10,000.00) to Visayas State University **Landbank** Account:

Account Name: Visayas State University Fund 164
Account Number: [3572-1000-13](https://www.landbank.com.ph/branch/3572-1000-13)

Send the deposit slip to Mr. Leopoldo S. Escala Jr. at leopoldo.escala@vsu.edu.ph.



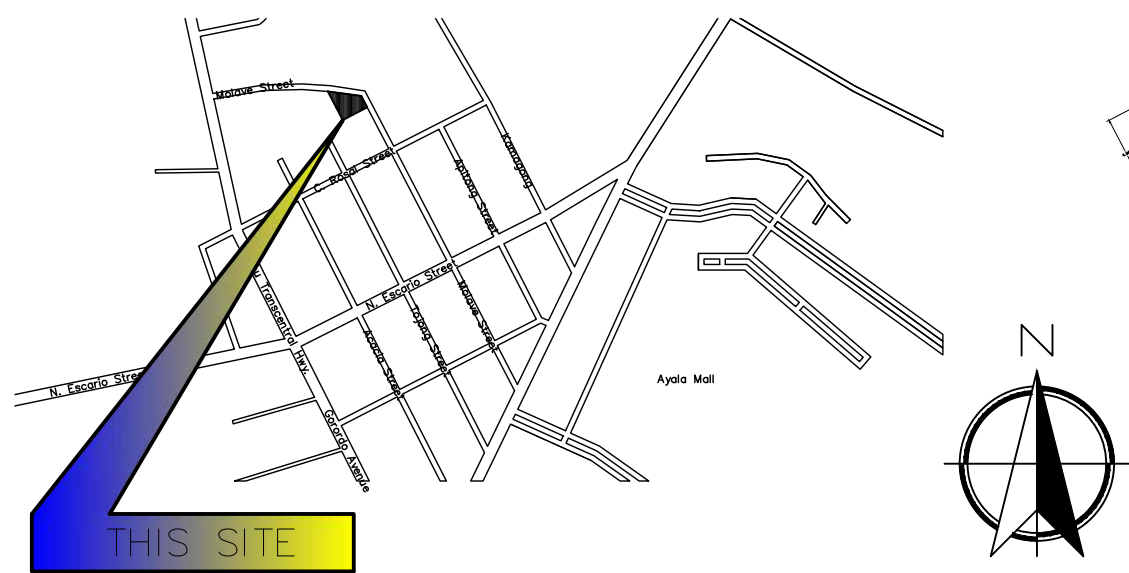
Original	
<p>Section I. Invitation to Bid</p> <p>5. A complete set of Bidding Documents may be acquired by interested Bidders on 20 September – 12 October, 2023 until 8:30 AM from the given address and website(s) below and upon payment of the applicable fee for the Bidding Documents, pursuant to the latest Guidelines issued by the GPPB, in the amount of Five Thousand Pesos (PhP 5,000.00). The Procuring Entity shall allow the bidder to present its proof of payment for the fees in person, by facsimile, or through electronic means</p> <p>7. Bids must be duly received by the BAC Secretariat through (i) manual submission at the office address indicated below, (ii) online or electronic submission as indicated below, or (iii) both on or before 12 October 2023 until 8:30 AM. Late bids shall not be accepted</p> <p>10. Bid opening shall be on 12 October 2023; 9:00 AM at the <i>BAC Conference Room, VSU Market, Visca, Baybay City, Leyte City, Leyte</i> and via <i>Zoom</i>. Bids will be opened in the presence of the bidders' representatives who choose to attend the activity.</p>	<p><i>(Amendment)</i></p> <p>5. A complete set of Bidding Documents may be acquired by interested Bidders on 20 September – 13 October, 2023 until 8:30 AM from the given address and website(s) below and upon payment of the applicable fee for the Bidding Documents, pursuant to the latest Guidelines issued by the GPPB, in the amount of Five Thousand Pesos (PhP 5,000.00). The Procuring Entity shall allow the bidder to present its proof of payment for the fees in person, by facsimile, or through electronic means</p> <p>7. Bids must be duly received by the BAC Secretariat through (i) manual submission at the office address indicated below, (ii) online or electronic submission as indicated below, or (iii) both on or before 13 October 2023 until 8:30 AM at VSU Cebu Office, 497E, Molave St., Lahug, Cebu City, Cebu. Late bids shall not be accepted</p> <p>10. Bid opening shall be on 13 October 2023; 9:00 AM at the VSU Cebu Office, 497E, Molave St., Lahug, Cebu City, Cebu and via <i>Zoom</i>. Bids will be opened in the presence of the bidders' representatives who choose to attend the activity.</p>
<p>Section II. Instructions to Bidders</p> <p>15. Sealing and Marking of Bids</p>	<p><i>(Additional Instructions)</i></p> <p>Bidders are requested to submit three (3) copies of its bid – 1 Original, Copy 1, and Copy 2.</p> <p>For filing purposes, the bidders are urged to use Yellow envelopes for its Technical and Financial Component envelopes, including the Mother (outer) Envelope.</p>

• **Please see attached Updated Design**

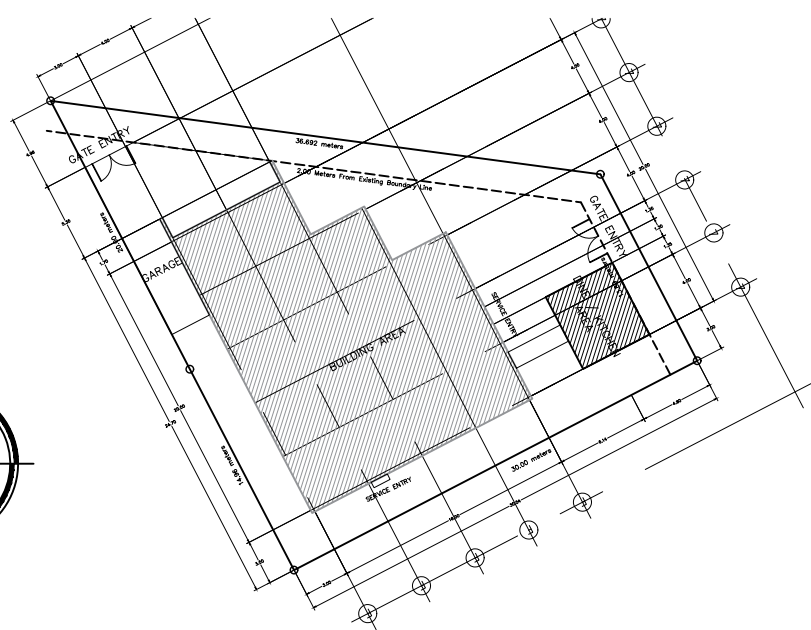
DILBERTO O. FERRAREN
BAC Chairman



1 PERSPECTIVE
NTS:



2 VICINITY MAP
Scale: 1:8000

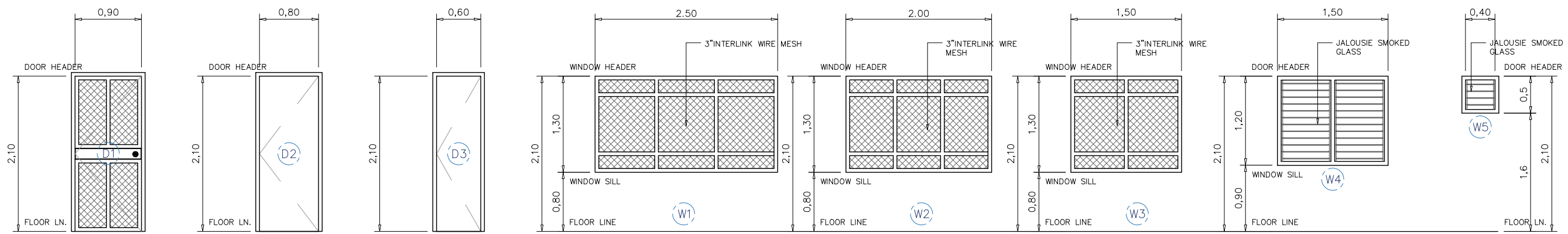
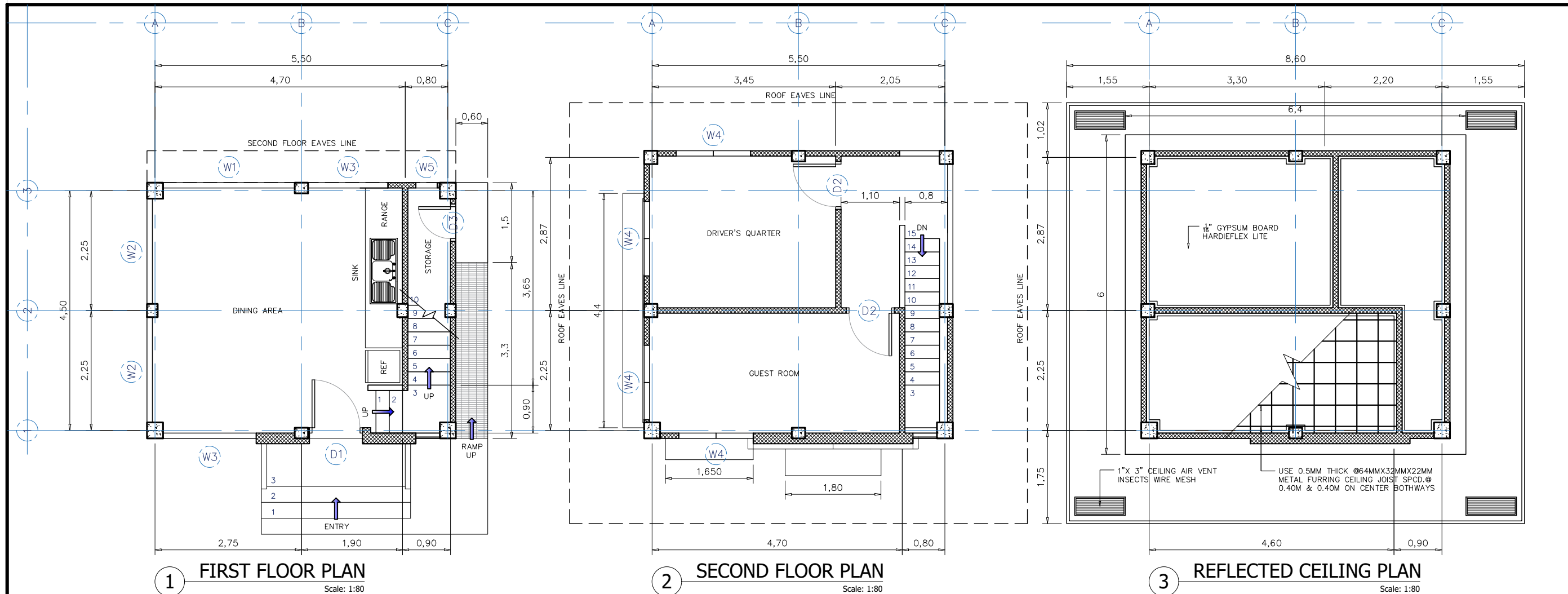


3 SITE DEVELOPMENT PLAN
Scale: 1:600

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	

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	PRC :			NEW VSU-CEBU KITCHEN WITH DRIVER'S QUARTER	Engr. MARIO LILIO P. VALENZONA	Dr. DANIEL LESLIE S. TAN	Dr. EDGARDO E. TULIN			AutoCAD by :					
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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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Project Title :
NEW VSU-CEBU KITCHEN WITH DRIVER'S QUARTER
Location : MOLAVE ST. LAHUG, CEBU CITY, CEBU PHILIPPINES 6000

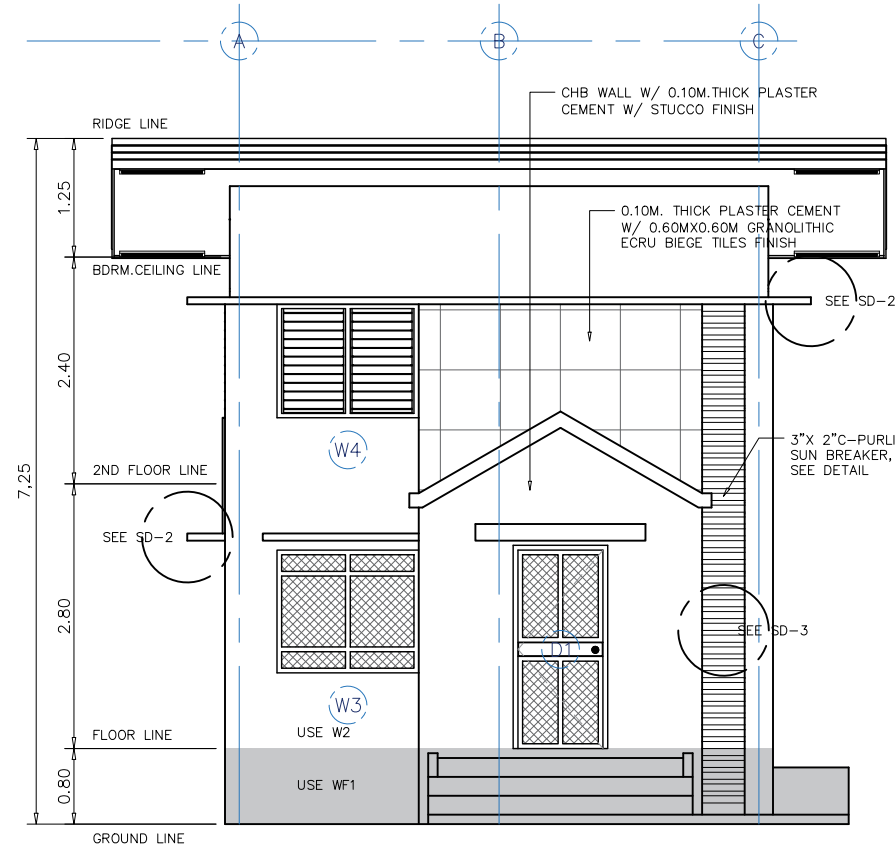
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Engr. MARIO LILIO P. VALENZONA
DIRECTOR, PPO

Conformed by :
Dr. DANIEL LESLIE S. TAN
VP OF ADMINISTRATIVE AND FINANCE

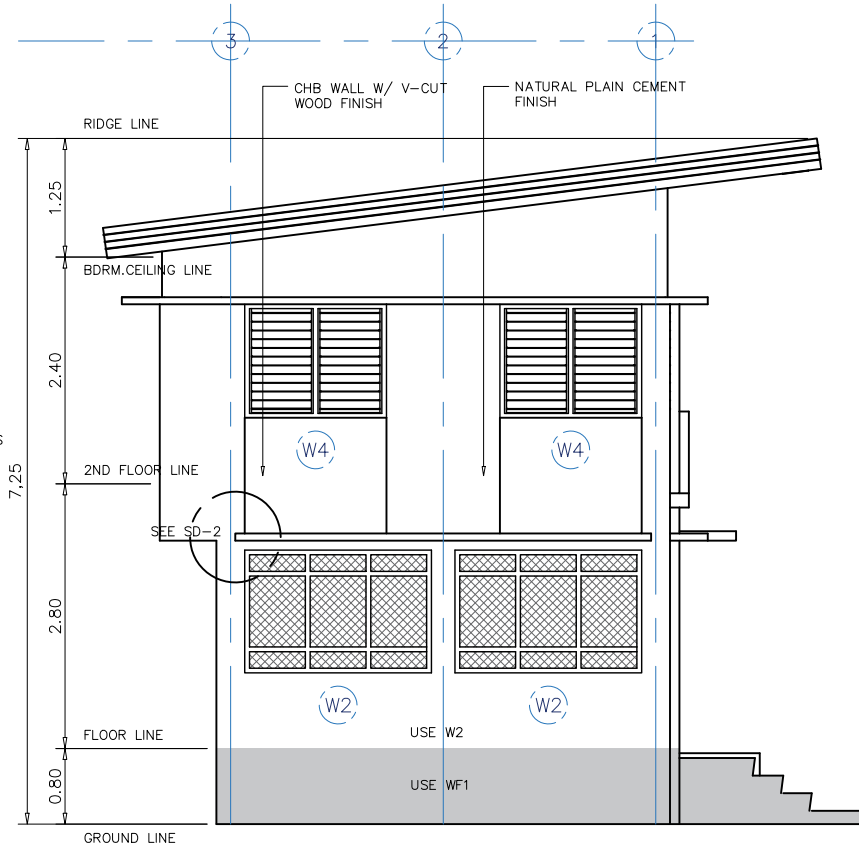
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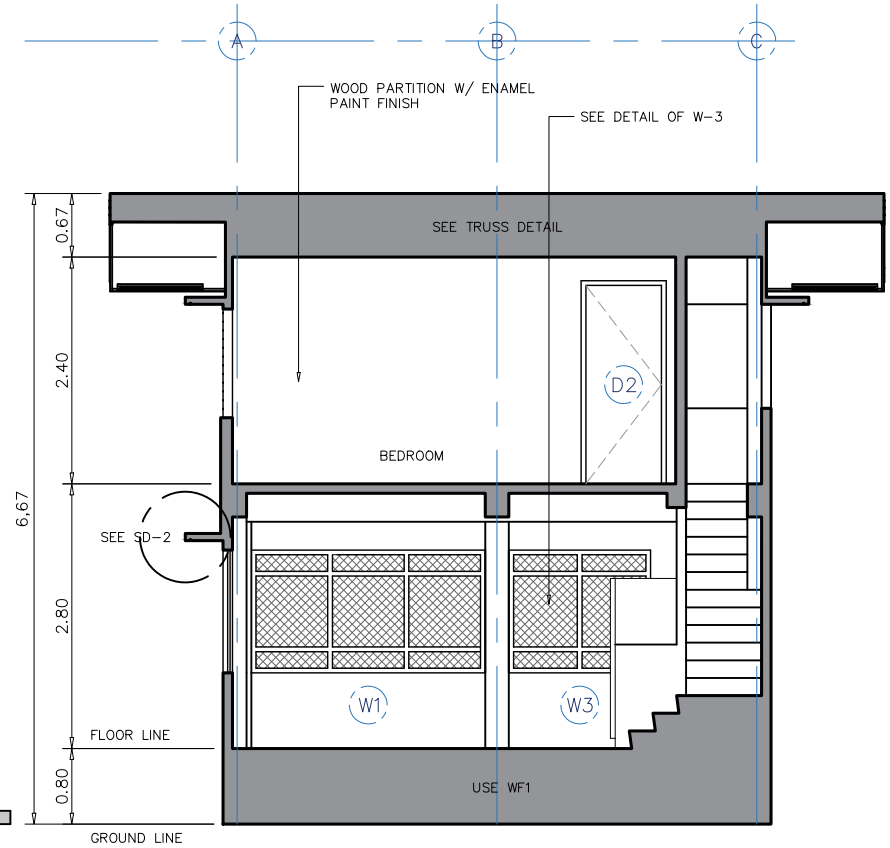
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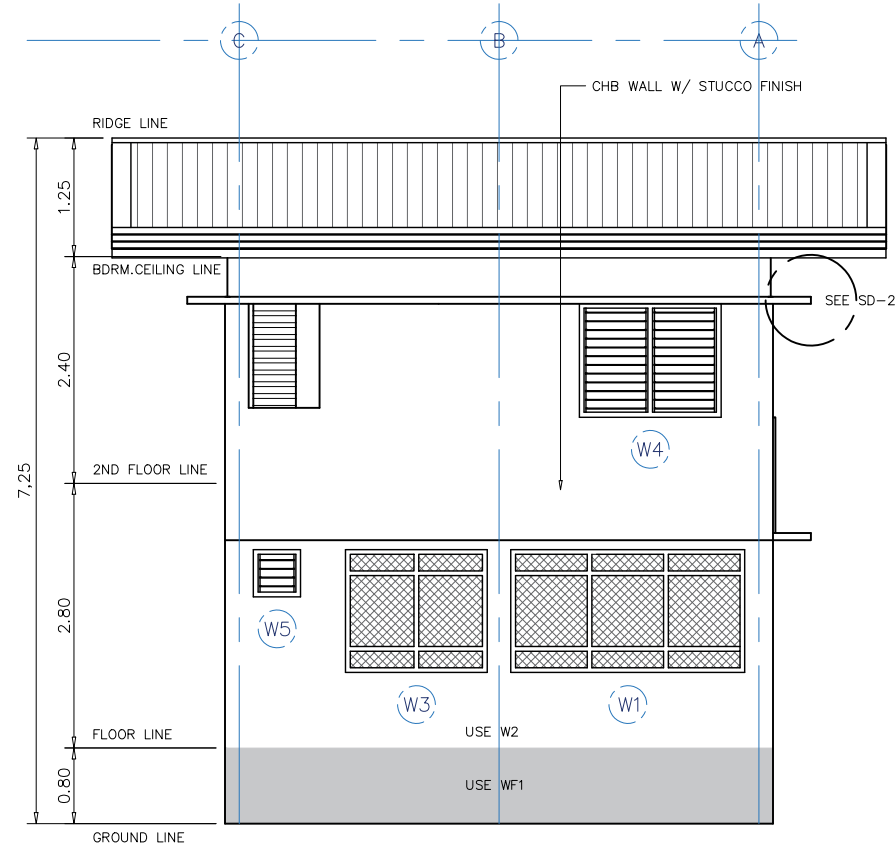
1 FRONT ELEVATION
Scale: 1:80



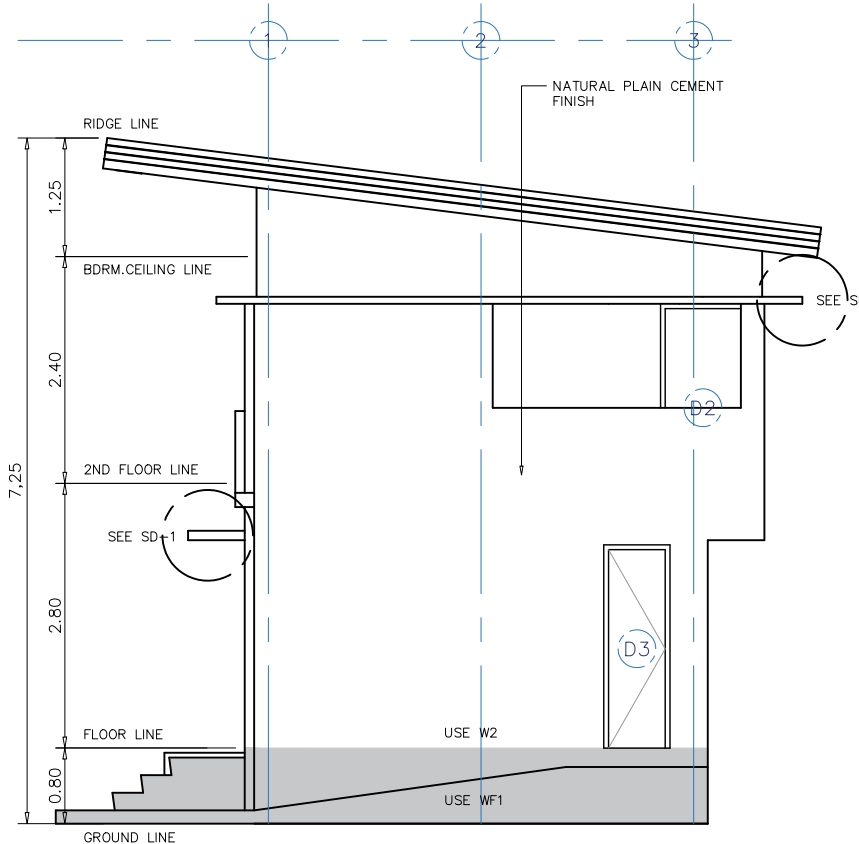
3 LEFT SIDE ELEVATION
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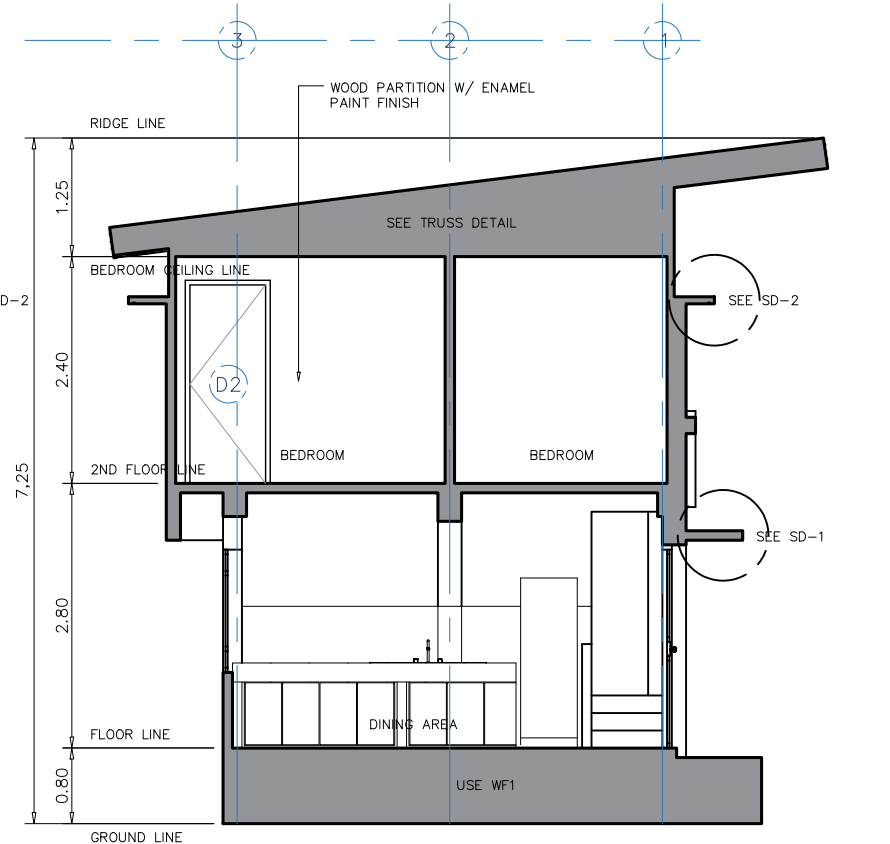
5 LONGITUDINAL SECTION-XX
Scale: 1:80



2 REAR ELEVATION
Scale: 1:80



4 RIGHT SIDE ELEVATION
Scale: 1:80



6 CROSS SECTIONAL -YY
Scale: 1:80



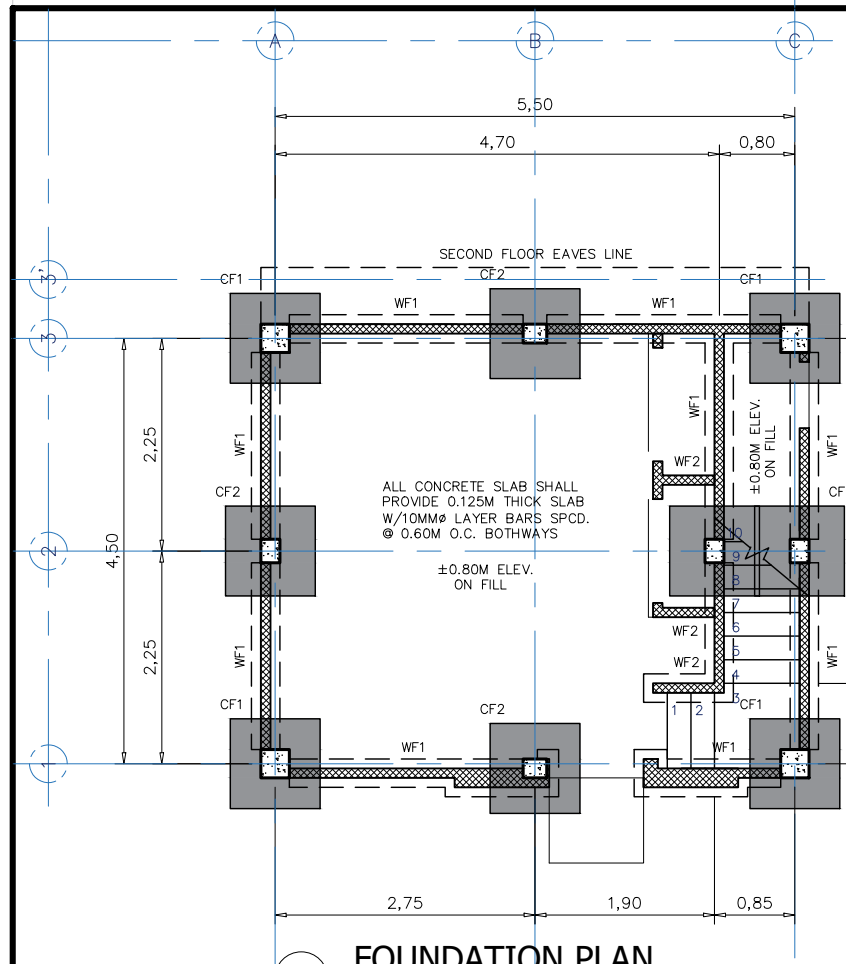
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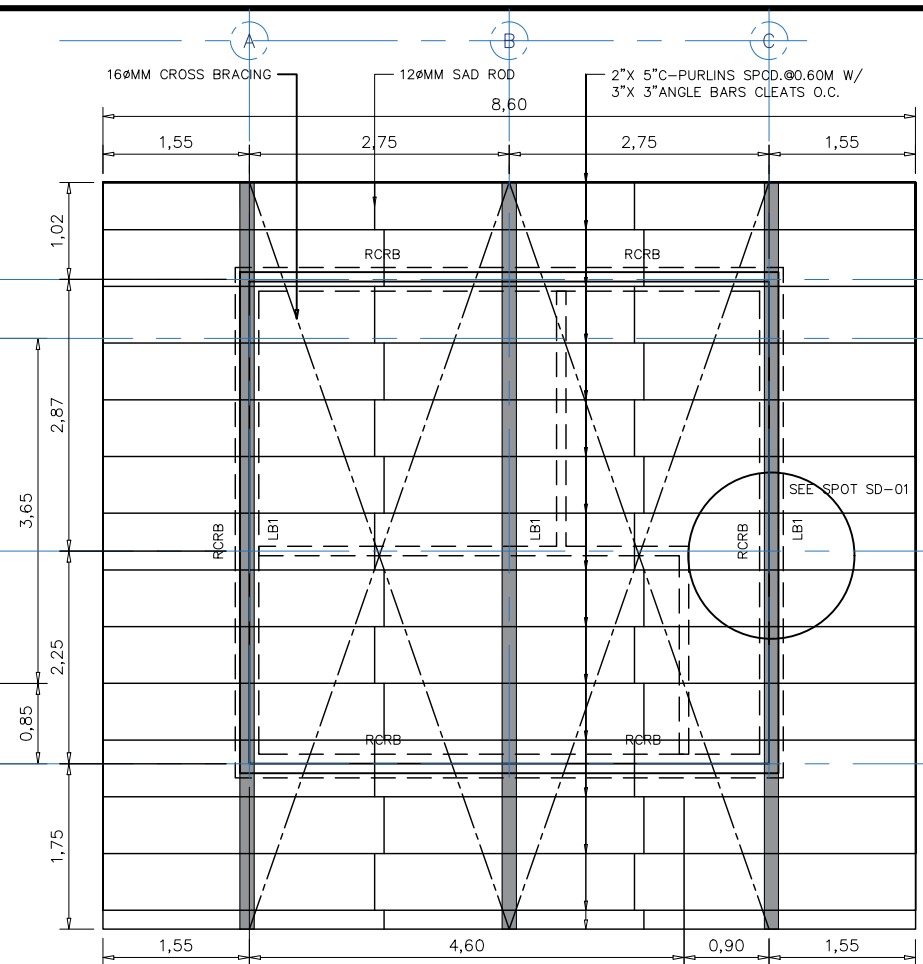
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Location :	DIRECTOR, PPO
MOLAVE ST. LAHUG, CEBU CITY, CEBU PHILIPPINES 6000	

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VP OF ADMINISTRATIVE AND FINANCE	VSU PRESIDENT

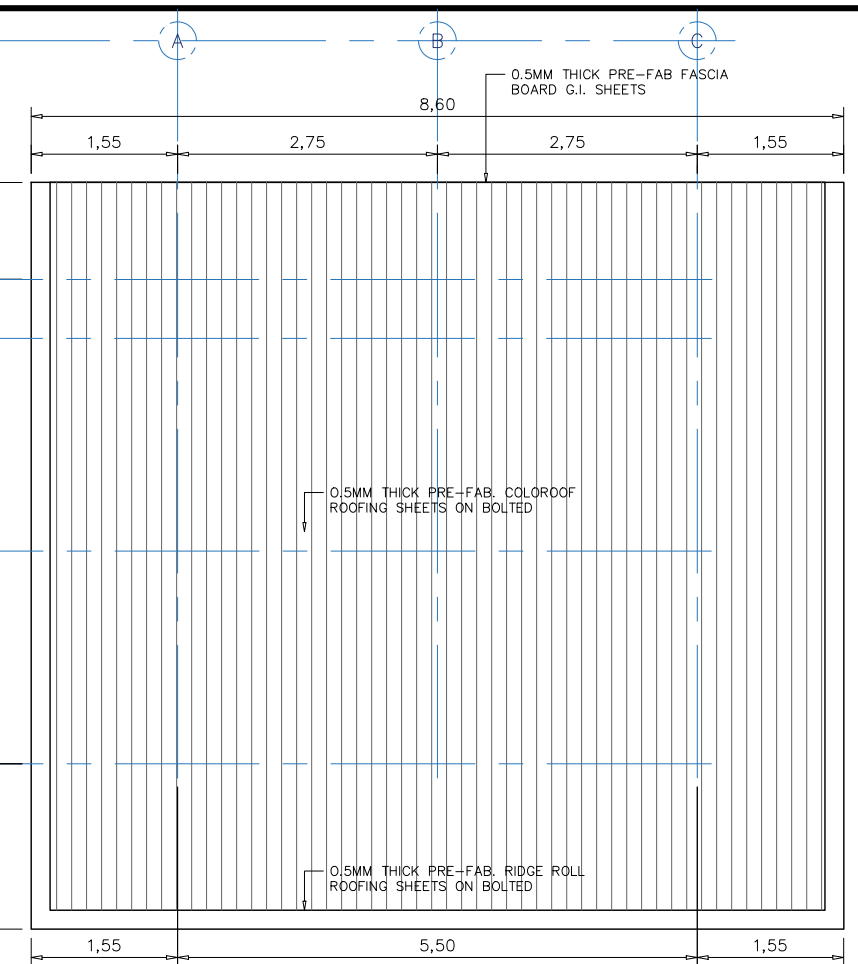
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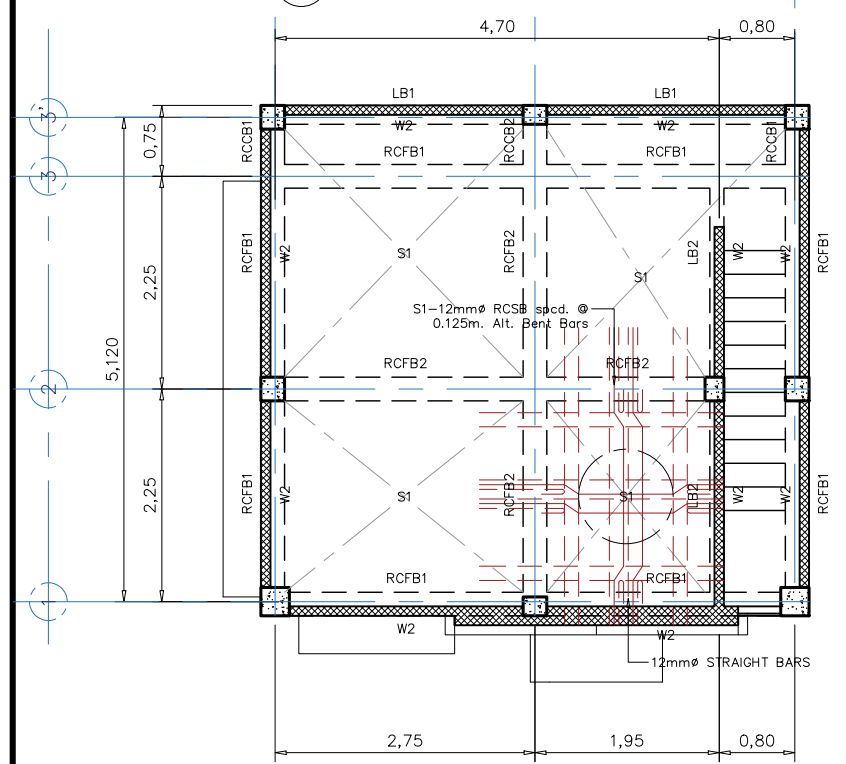
1 FOUNDATION PLAN
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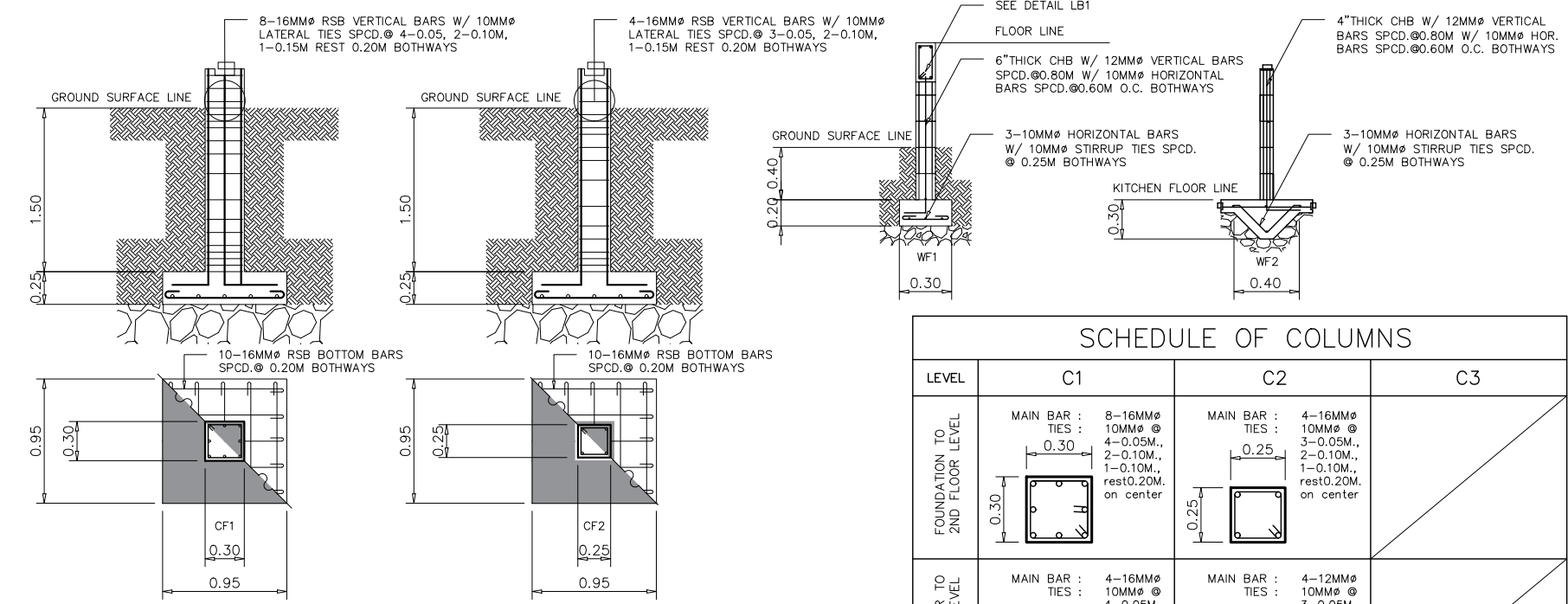
3 2ND FLOOR FRAMING PLAN
Scale: 1:80



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 : 8-16MMØ TIES : 10MMØ @ 0.30 	MAIN BAR : 4-16MMØ TIES : 10MMØ @ 0.25 	
SECOND FLOOR TO ROOF BEAM LEVEL	MAIN BAR : 4-16MMØ TIES : 10MMØ @ 0.30 	MAIN BAR : 4-12MMØ TIES : 10MMØ @ 0.25 	



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NEW VSU-CEBU KITCHEN WITH DRIVER'S QUARTER
Location : MOLAVE ST. LAHUG, CEBU CITY, CEBU PHILIPPINES 6000

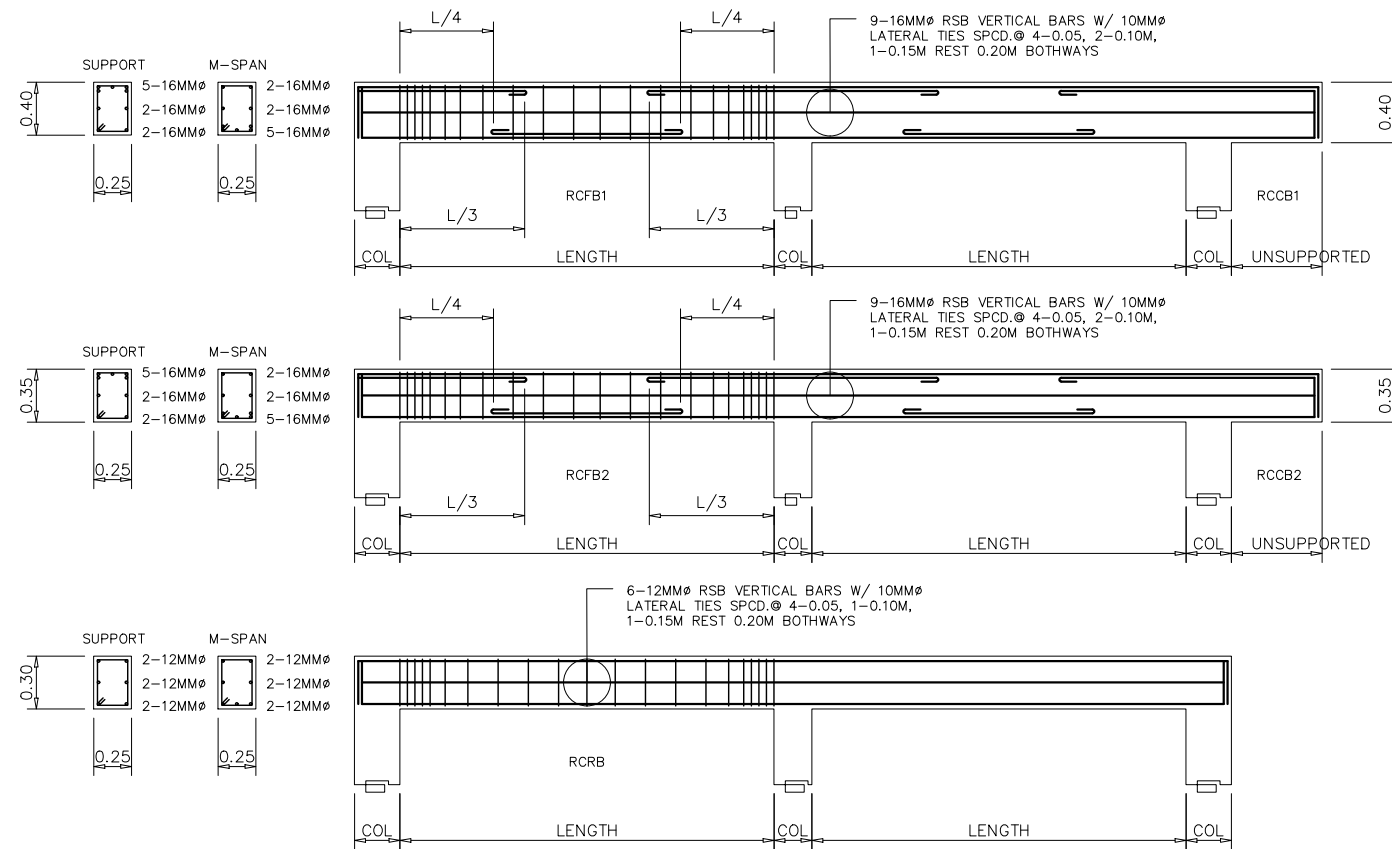
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DIRECTOR, PPO

Conformed by :
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VP OF ADMINISTRATIVE AND FINANCE

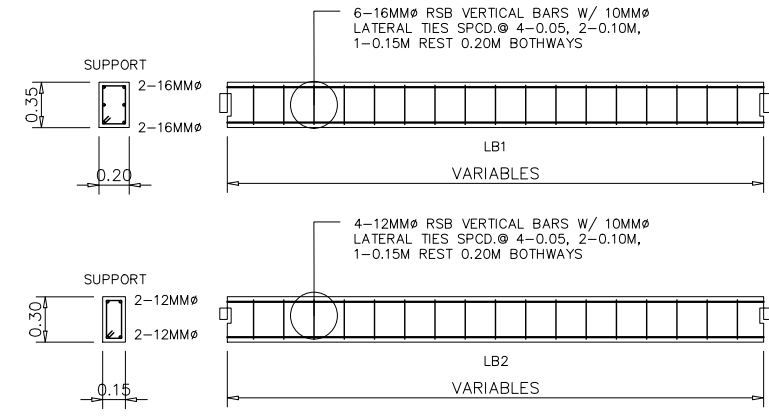
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VSU PRESIDENT

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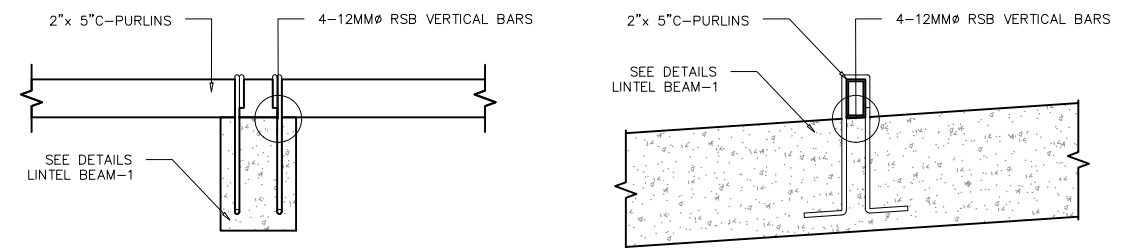
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SHEET NO.
04 10



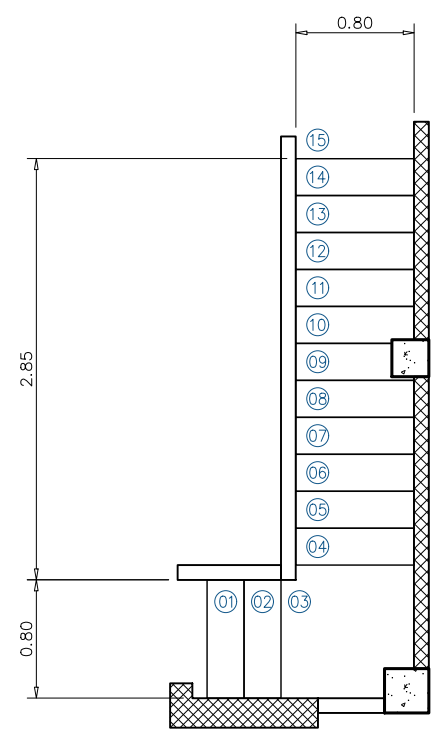
1 DETAIL OF R.C. BEAMS
Scale: 1:50



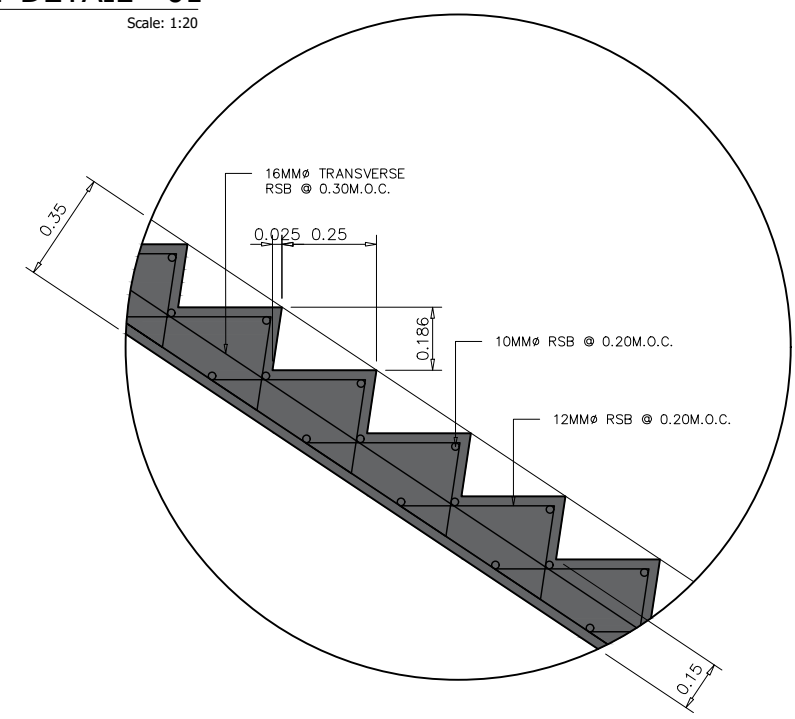
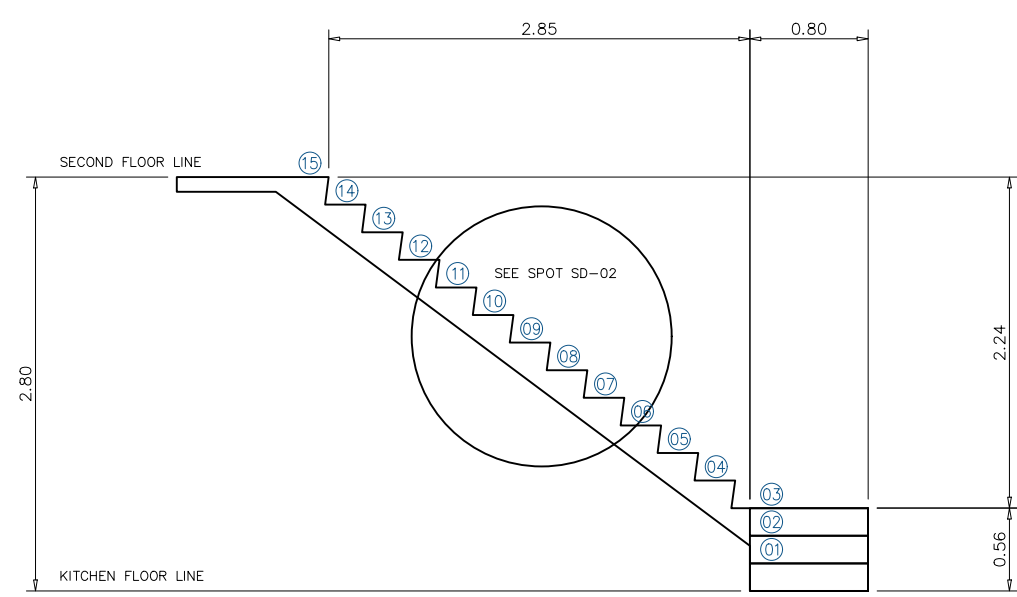
3 DETAIL OF R.C. LINTEL BEAMS
Scale: 1:50



4 SPOT DETAIL - 01
Scale: 1:20



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



5 SPOT DETAIL - 02
Scale: 1:20



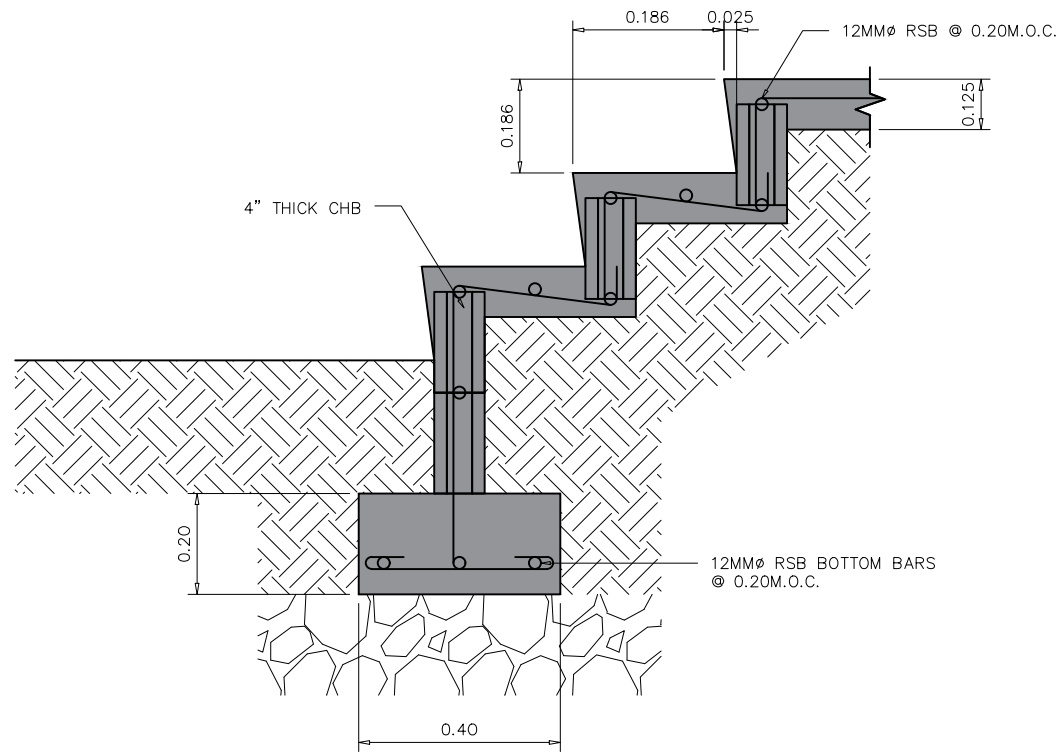
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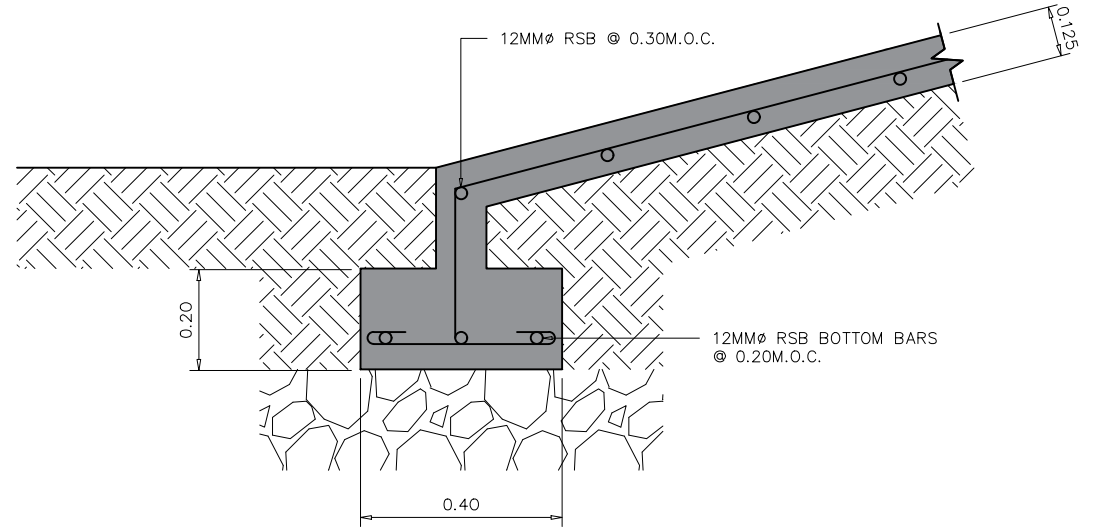
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NEW VSU-CEBU KITCHEN WITH DRIVER'S QUARTER	Engr. MARIO LILIO P. VALENZONA
Location :	DIRECTOR, PPO
	MOLAVE ST. LAHUG, CEBU CITY, CEBU PHILIPPINES 6000

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Dr. DANIEL LESLIE S. TAN	Dr. EDGARDO E. TULIN
VP OF ADMINISTRATIVE AND FINANCE	VSU PRESIDENT

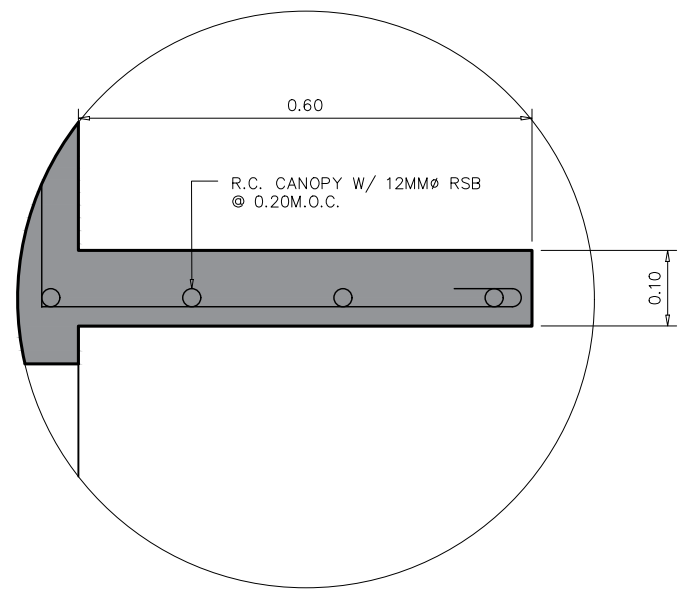
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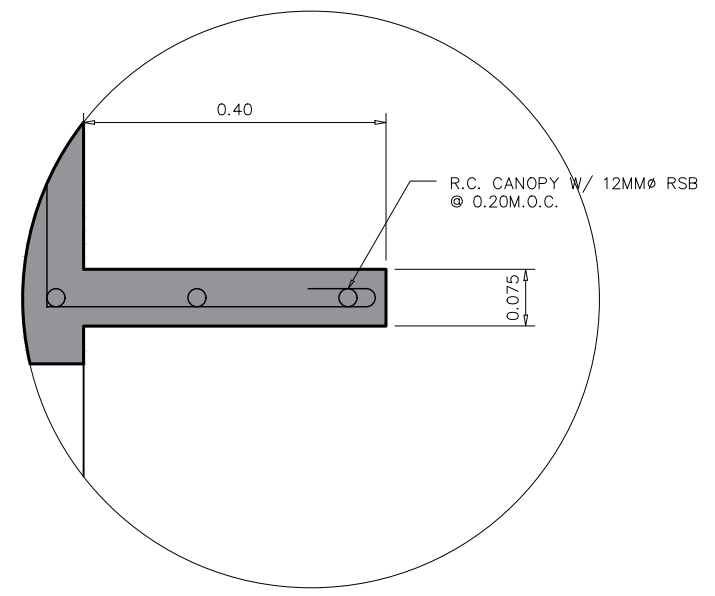
1 DETAIL OF R.C. STAIR
Scale: 1:15



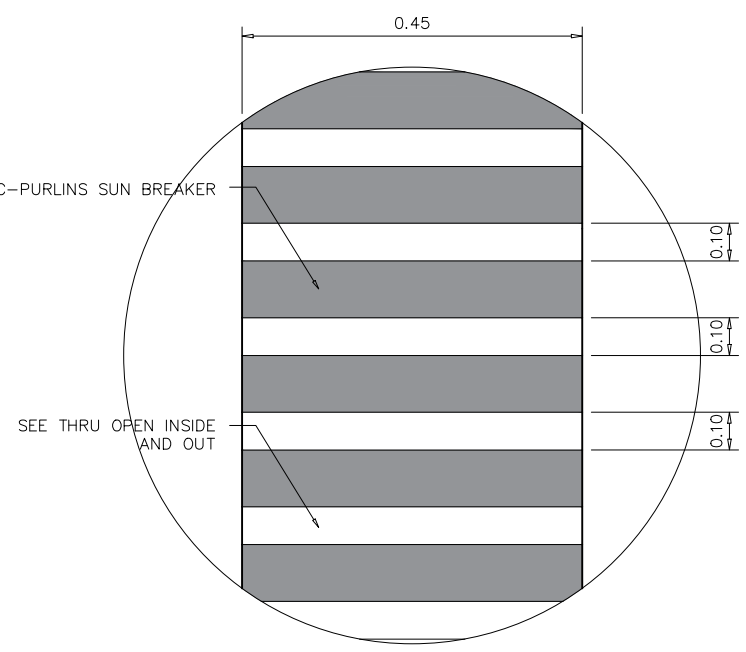
2 DETAIL OF R.C. RAMP
Scale: 1:15



3 SPOT DETAIL - 1
Scale: 1:10



4 SPOT DETAIL - 2
Scale: 1:10



5 SPOT DETAIL - 3
Scale: 1:10



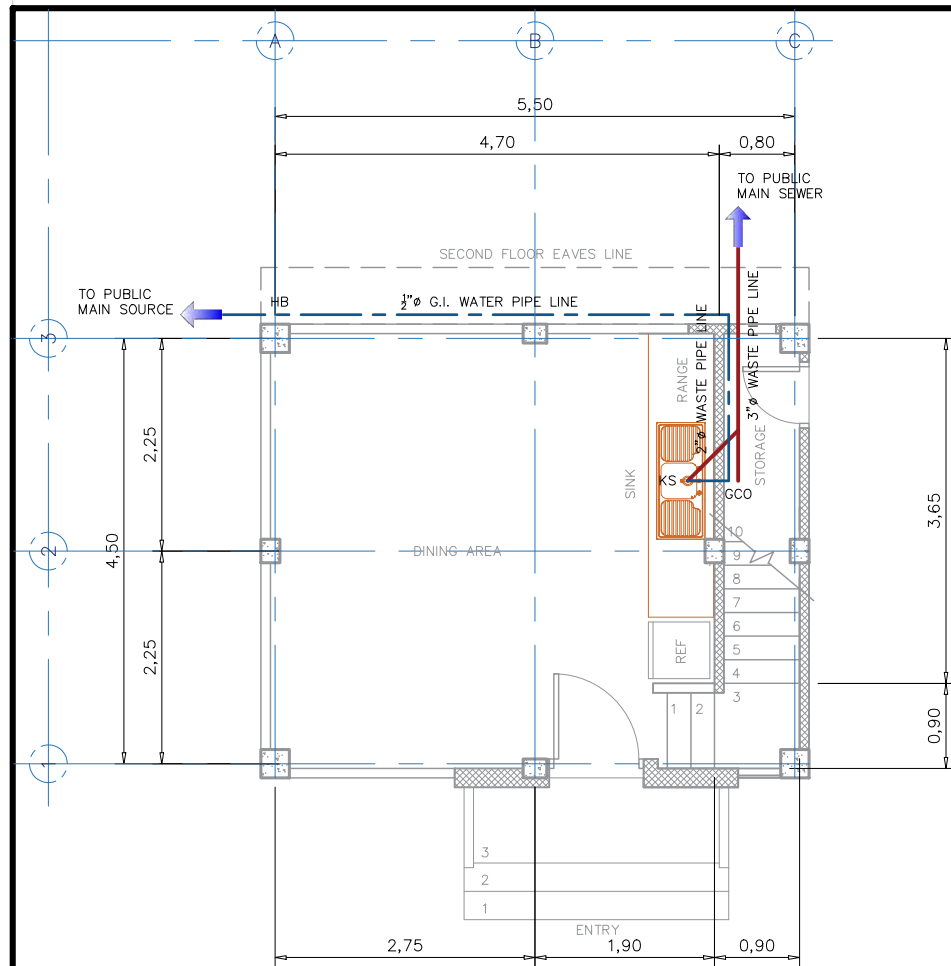
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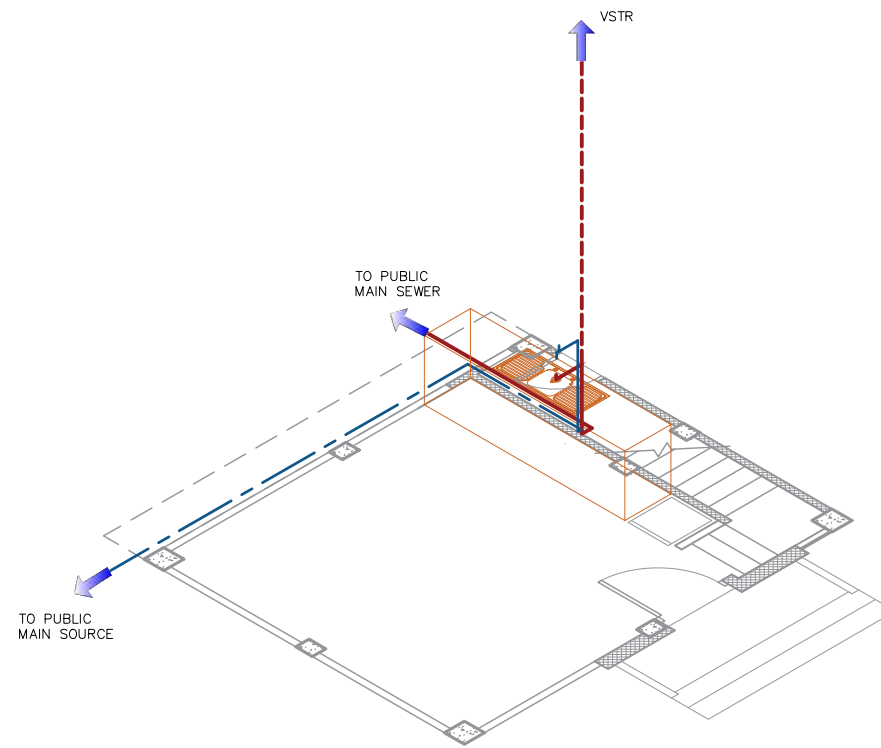
Project Title :	Checked by :
NEW VSU-CEBU KITCHEN WITH DRIVER'S QUARTER	Engr. MARIO LILIO P. VALENZONA
Location :	Conformed by :
MOLAVE ST. LAHUG, CEBU CITY, CEBU PHILIPPINES 6000	Dr. DANIEL LESLIE S. TAN

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Dr. EDGARDO E. TULIN	AutoCAD by :
	Date Started :
	Date Finished :
	Place :

S3	03
SHEET NO.	
06	10



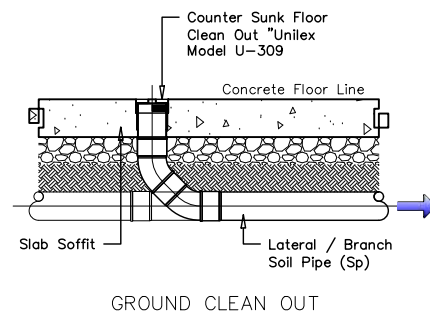
1 PLUMBING LAYOUT
Scale: 1:80



2 ISOMETRIC DIAGRAM
Scale: 1:80

3 LEGEND

- F FAUCET
- GCO GROUND CLEANOUT
- HB HOSE BIBB
- KS KITCHEN SINK
- VSTR VENT STACH THRU ROOF
- 2" O PVC VENT PIPE LINE
- 4" O PVC WASTE PIPE LINE
- 1/2" O G.I. WATER PIPE LINE



5 SPOT DETAIL
Scale: 1:20

4 PLUMBING NOTES

- 1 - ALL WORKS SHALL CONFORM TO THE RULES AND REGULATION OF THE NATIONAL PLUMBING CODE.
- 2 - PLUMBING INSTALLATIONS SHALL BE DONE THRU THE DIRECT SUPERVISION OF A DULY LICENSED MASTER PLUMBER.
- 3 - ALL MATERIALS TO BE USED SHALL BE NEW AND APPROVED TYPE OF LOCATION AND PURPOSE.
- 4 - RUN ALL HORIZONTAL PIPINGS IN PERFECT ALIGNMENT AND AT A FORM GRADE NOT LESS THAN TWO PERCENT (2%).
- 5 - NOT LESS THAN 300MM. OF AIR SPACE MUST BE LEFT BETWEEN THE TOP OF THE SEWAGE AND THE UNDER PART OF TANK ROOF SLAB.
- 6 - ALL PLUMBING WORKS SHALL BE UNDER THE DIRECT SUPERVISION OF A LICENSED MASTER PLUMBER AND ARCHITECT.

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	P1	01													
	SHEET NO.														
	07	10													
PRC :		NEW VSU-CEBU KITCHEN WITH DRIVER'S QUARTER	Engr. MARIO LILIO P. VALENZONA	Dr. DANIEL LESLIE S. TAN	Dr. EDGARDO E. TULIN	AutoCAD by :									
PTR :			DIRECTOR, PPO	VP OF ADMINISTRATIVE AND FINANCE	VSU PRESIDENT	Date Started :									
Date :			Location : MOLAVE ST. LAHUG, CEBU CITY, CEBU PHILIPPINES 6000	Date Finished :											
Place :	SANITARY ENGINEER					Place :									

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., & AUXILIARY - 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)
- _{gfc} GROUND FAULT CIRCUIT INTERRUPTER RECEPTACLE OUTLET (TWO GANG WITH GROUND PRONG)
- AIRCONDITIONING OUTLET
- PANEL BOARD WITH NEMA ENCLOSURE

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

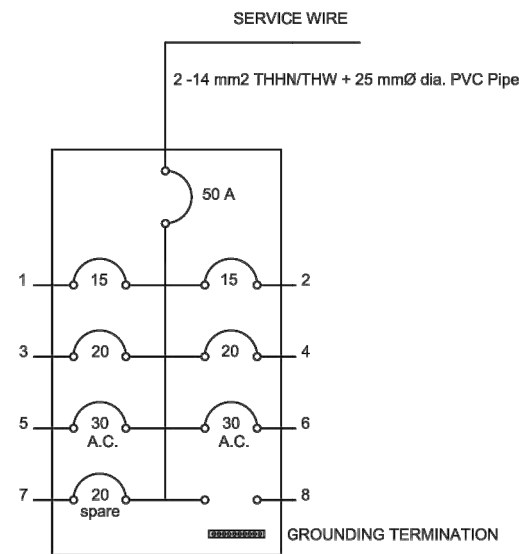
CKT. NO.	DESCRIPTION	LOAD (VA)	CURRENT (A)	CIRCUIT BREAKER				WIRES & CONDUIT	
				VOLT	POLE	A.T.	A.F.		TYPE
1	LIGHTING OUTLET	172	0.717	240	2	15	50	MCCB	2-3.5 mm2 THHN/THW + 1-3.5 mm2 TW (G) in 20 mm dia. PVC
2	LIGHTING OUTLET	215	0.896	240	2	15	50	MCCB	2-3.5 mm2 THHN/THW + 1-3.5 mm2 TW (G) in 20 mm 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

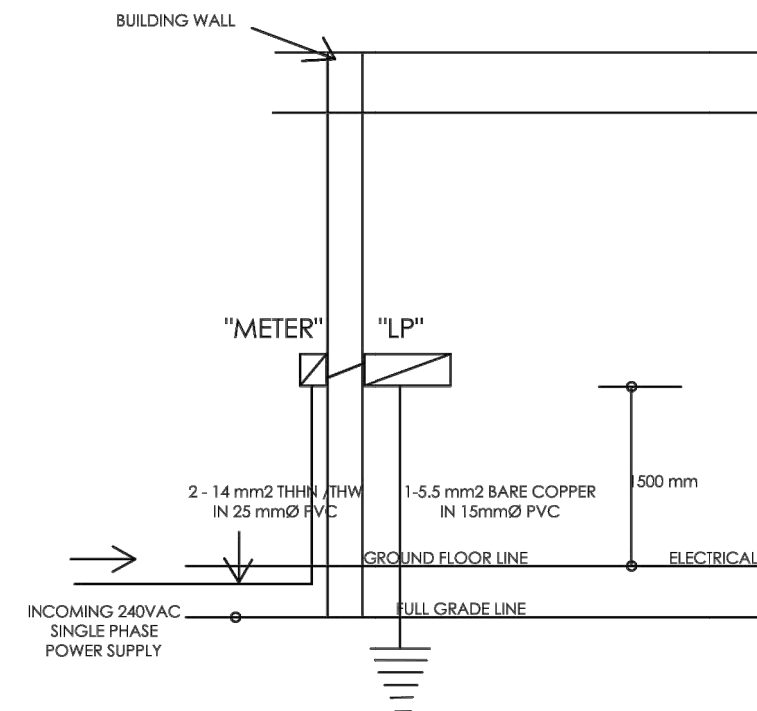
MAIN SERVICE: ALLOWING 2% VOLTAGE DROP FROM TRANSFORMER TO LP
USE: 2- 14 mm2 THHN/THW copper wire in 25 mm diameter
SCHEDULE 80 PVC PIPE

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

3 SCHEDULE OF LOADS
E-3 NOT TO SCALE

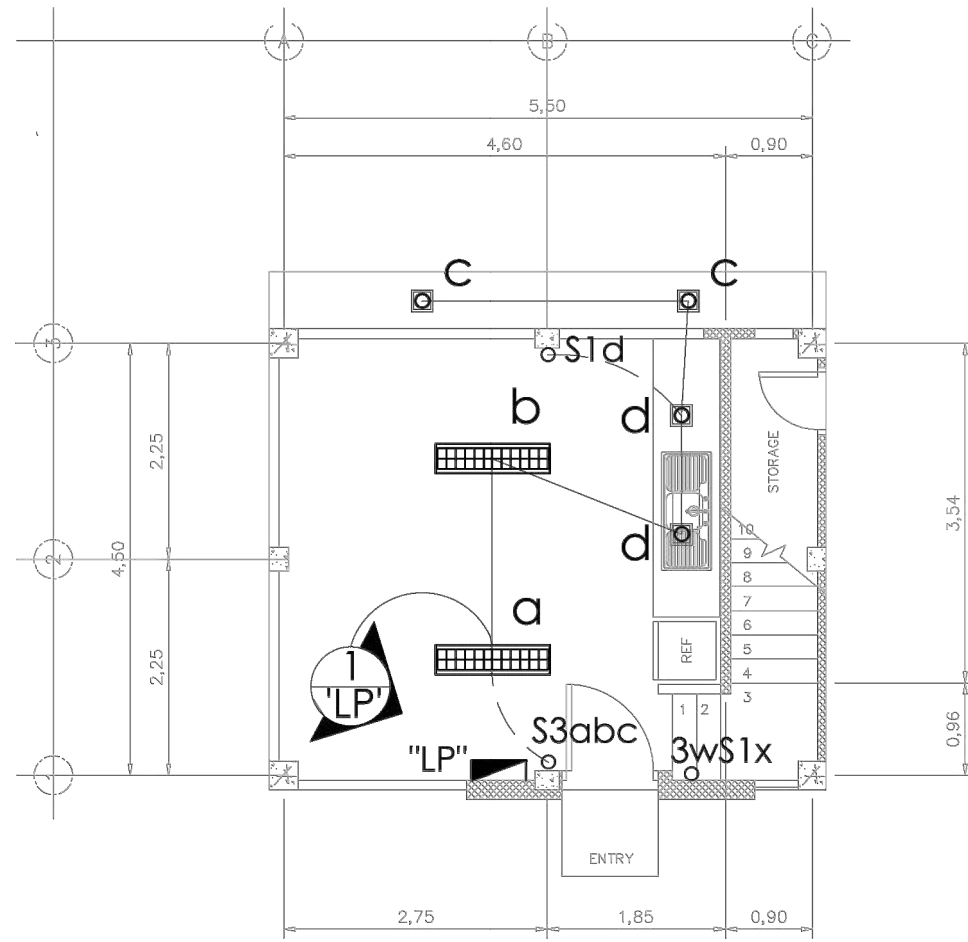


4 SINGLE LINE DIAGRAM
E-3 NOT TO SCALE

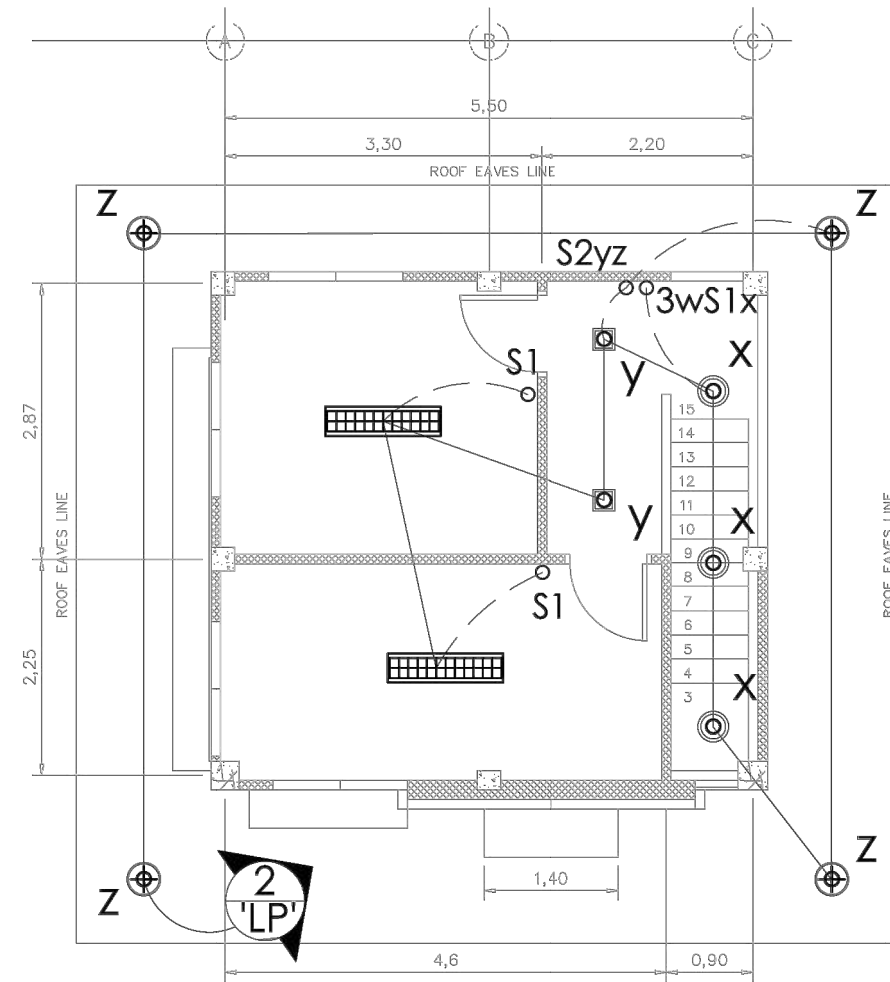


5 RISER DIAGRAM
E-3 NOT TO SCALE

	TIN :	Approved by :	Project Title : NEW VSU-CEBU KITCHEN WITH DRIVER'S QUARTER	Checked by :	Conformed by :	Approved by :	Concept by :	
	PRC :	Engr. CLINT C. SARVIDA		Location : MOLAVE ST. LAHUG, CEBU CITY, CEBU PHILIPPINES 6000	Engr. MARIO LILIO P. VALENZONA	Dr. DANIEL LESLIE S. TAN	Dr. EDGARDO E. TULIN	AutoCAD by : E3 01
	PTR :				DIRECTOR, PPO	VP OF ADMINISTRATIVE AND FINANCE	VSU PRESIDENT	Date Started : SHEET NO.
	Date :				ELECTRICAL ENGINEER			
Place :						Place :		



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



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



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PRC :	Engr. CLINT C. SARVIDA
PTR :	
Date :	
Place :	

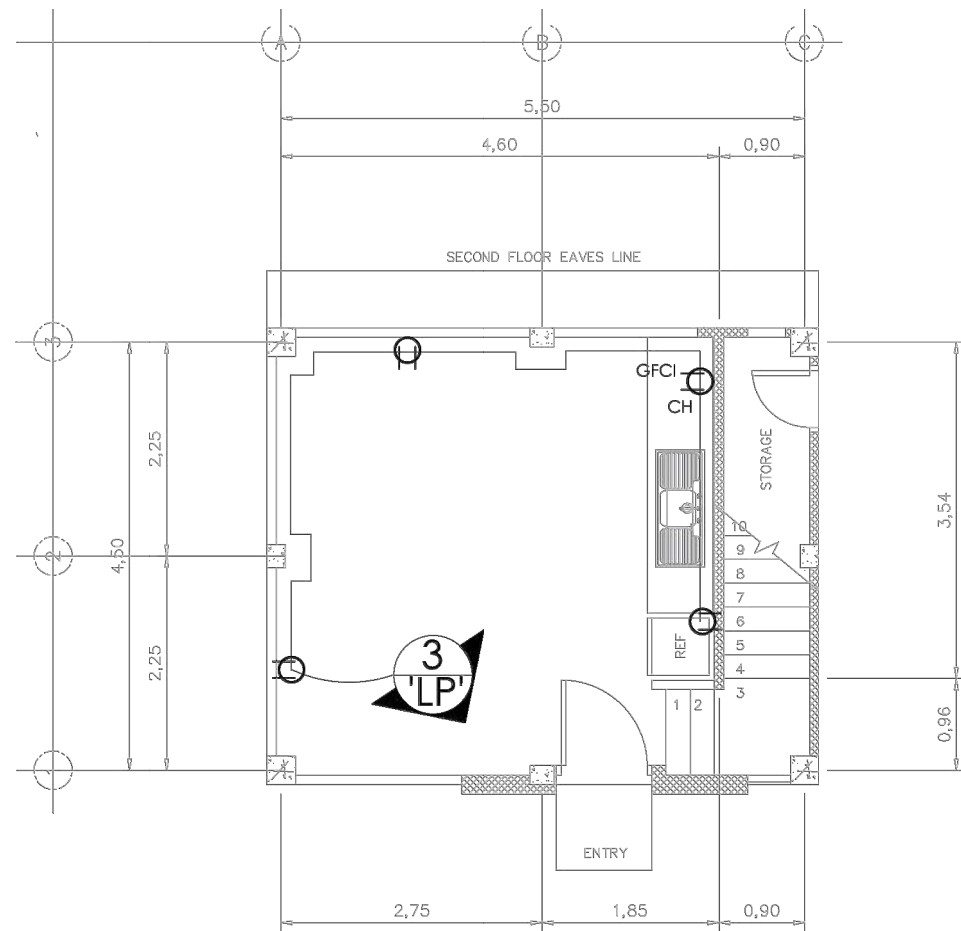
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NEW VSU-CEBU KITCHEN WITH DRIVER'S QUARTER	Engr. MARIO LILIO P. VALENZONA
Location :	Conformed by :
MOLAVE ST. LAHUG, CEBU CITY, CEBU PHILIPPINES 6000	Dr. DANIEL LESLIE S. TAN

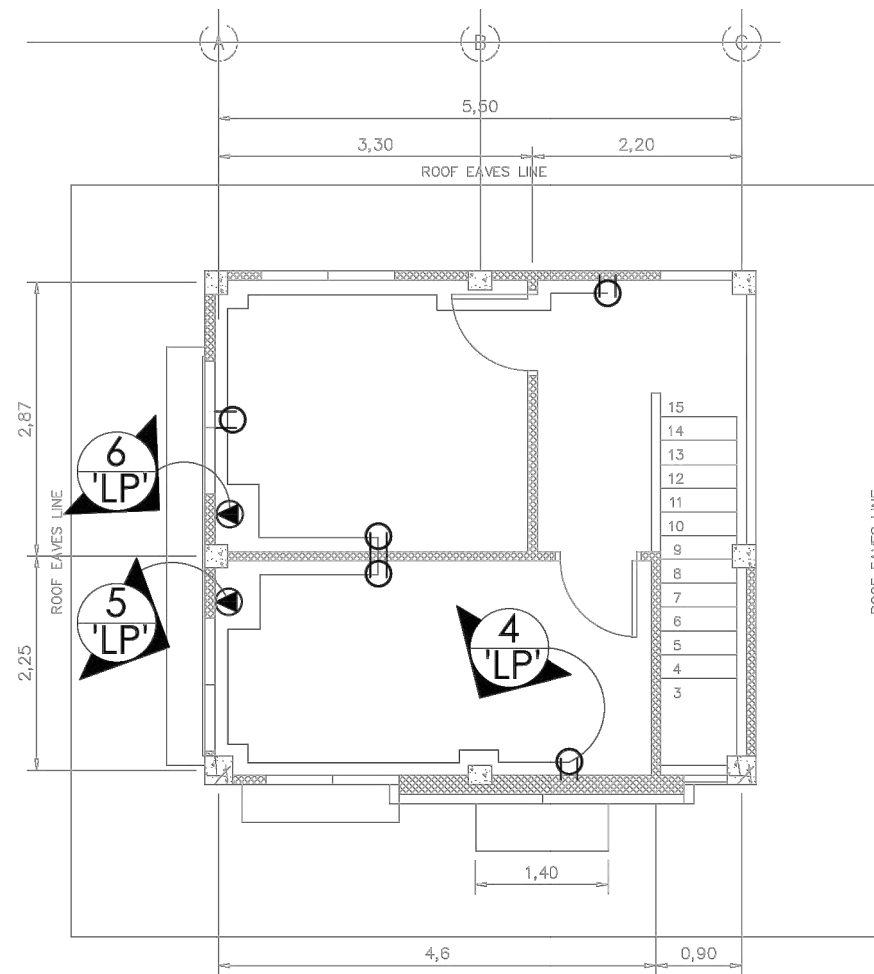
Approved by :	Concept by :
Dr. EDGARDO E. TULIN	AutoCAD by :
VP OF ADMINISTRATIVE AND FINANCE	DATE STARTED :
	DATE FINISHED :

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Dr. EDGARDO E. TULIN	AutoCAD by :
VP OF ADMINISTRATIVE AND FINANCE	DATE STARTED :
	DATE FINISHED :

E3	02
09	10



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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PRC :	Engr. CLINT C. SARVIDA
PTR :	
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Place :	

REF:
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Project Title :	NEW VSU-CEBU KITCHEN WITH DRIVER'S QUARTER
Location :	MOLAVE ST. LAHUG, CEBU CITY, CEBU PHILIPPINES 6000

Checked by :	Engr. MARIO LILIO P. VALENZONA
	DIRECTOR, PPO

Conformed by :	Dr. DANIEL LESLIE S. TAN
	VP OF ADMINISTRATIVE AND FINANCE

Approved by :	Dr. EDGARDO E. TULIN
	VSU PRESIDENT

Concept by :	
AutoCAD by :	
Date Started :	
Date Finished :	
Place :	

E3	03
SHEET NO.	
10	10