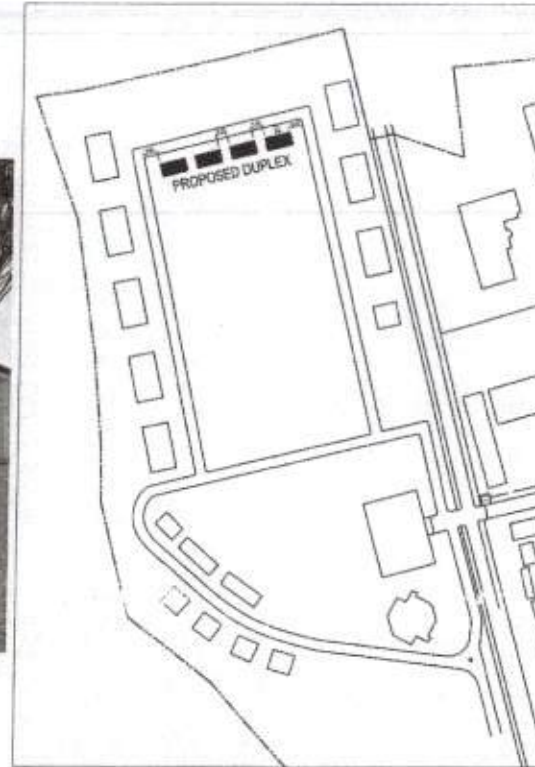




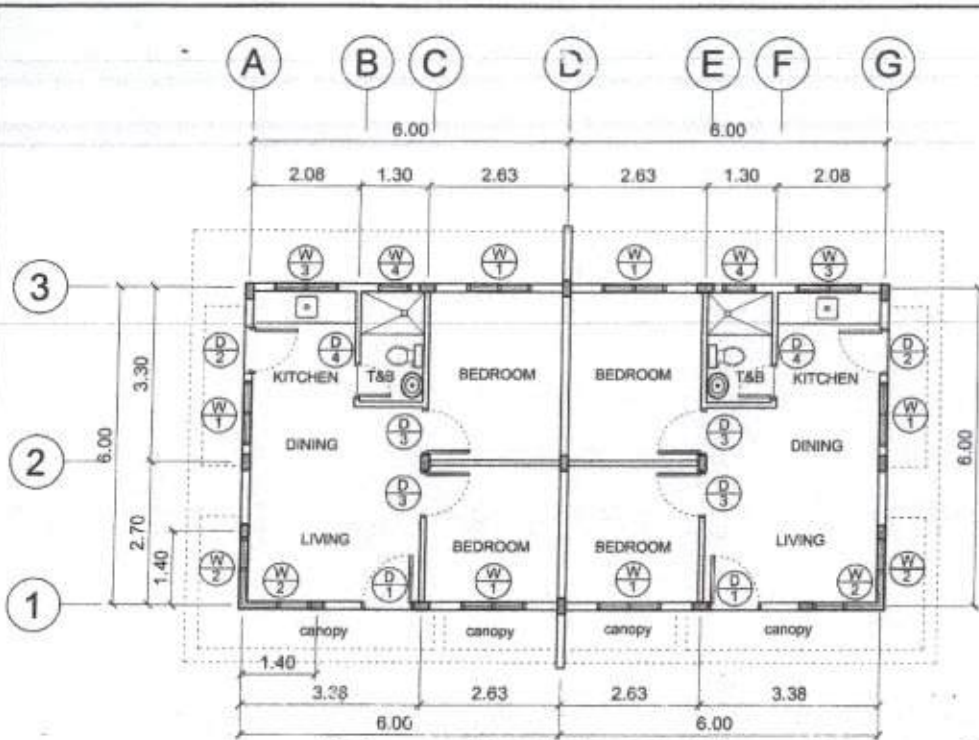
PERSPECTIVE



LOCATION MAP

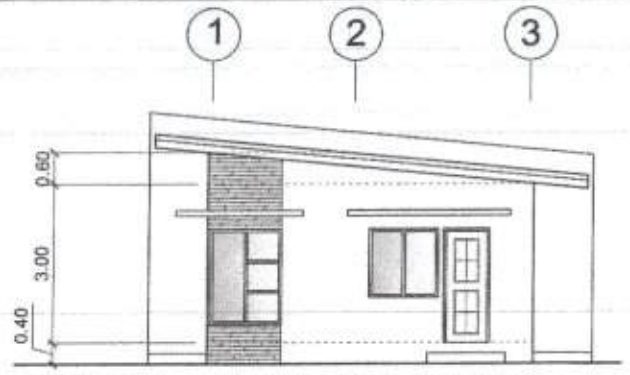
ARCHITECTURAL		DEPARTMENT OF PUBLIC WORKS TRANSPORTATION & COMMUNICATION
A-1	- PROPOSED - SITE DEVELOPMENT PLAN	OFFICE OF THE BUILDING OFFICIAL
A-2	- OVERALL FLOOR PLAN - FRONT ELEVATION - RIGHT SIDE ELEVATION - LEFT SIDE ELEVATION - REAR ELEVATION	SUBDIVISION/MARKETPLACE
A-3	- SCHEDULE OF DOOR & WINDOW	
STRUCTURAL		LAND USE & ZONING
S-1	- FOUNDATION PLAN - DETAIL OF COLUMN & FOOTING - DETAIL OF WALL FOOTING	
S-2	- ROOF BEAM PLAN - ROOF TRUSSING PLAN - DETAIL SECTION OF ROOF BEAM  - DETAIL OF TRUSS - - TRUSS BRACING	LINE & GRADE
ELECTRICAL		ARCHITECTURAL
E-1	- LIGHTING LAYOUT - POWER LAYOUT	
E-2	- SCHEDULE OF LIGHTS - WIRING DIAGRAM - NOTES & SPECIFICATIONS	
PLUMBING		STRUCTURAL
P-1	- WATER LINE LAYOUT - WASTE LINE LAYOUT - DETAIL OF CATCH BASIN	
P-2	- DETAIL OF SEPTIC TANK	SANITARY
		ELECTRICAL

PREPARED BY: <i>E. N. Roderos Jr.</i> E. N. RODEROS JR. PPU CVSU	END USER: <i>L. C. Abosadie</i> L. C. ABO SADIÉ DIRECTOR OBA	ENDORSED BY: <i>O. B. Delos-Reyes</i> O. B. DELOS-REYES DIRECTOR, PLANNING OFFICE <i>M. T. Escobar</i> M. T. ESCOBAR VPPO CVSU	REC. APPROVAL: <i>C. A. Polinga</i> C. A. POLINGA VPASS CVSU	APPROVED BY: <i>H. D. Robles</i> H. D. ROBLES PRES CVSU	PROJECT TITLE/LOCATION: PROPOSED FACULTY HOUSING CVSU, MAIN CAMPUS	IMPLEMENTING AGENCY CAVITE STATE UNIVERSITY	SHT NO. A - 1
--	--	---	--	---	--	--	------------------



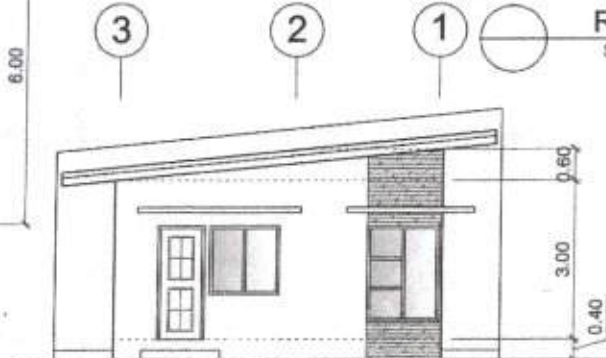
**FLOOR PLAN**

SCALE 1 : 100 MTS.



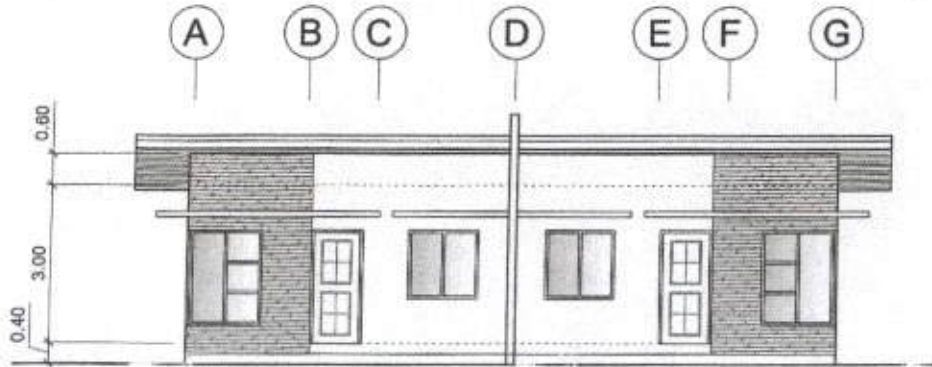
**RIGHT SIDE ELEVATION**

SCALE 1 : 100 MTS.



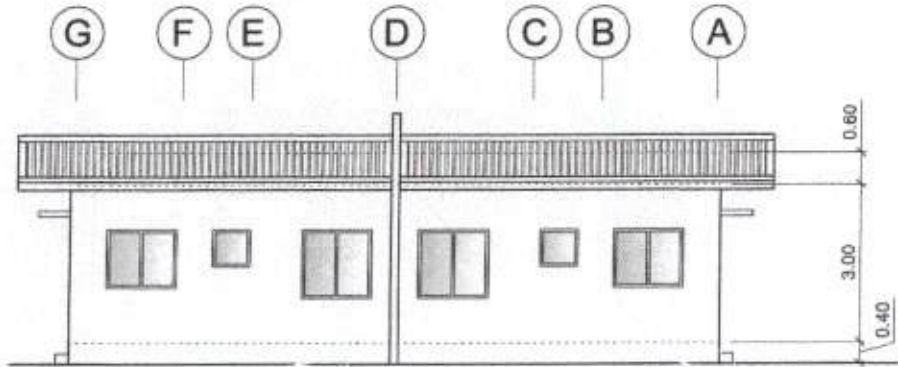
**LEFT SIDE ELEVATION**

SCALE 1 : 100 MTS.



**FRONT ELEVATION**

SCALE 1 : 100 MTS.

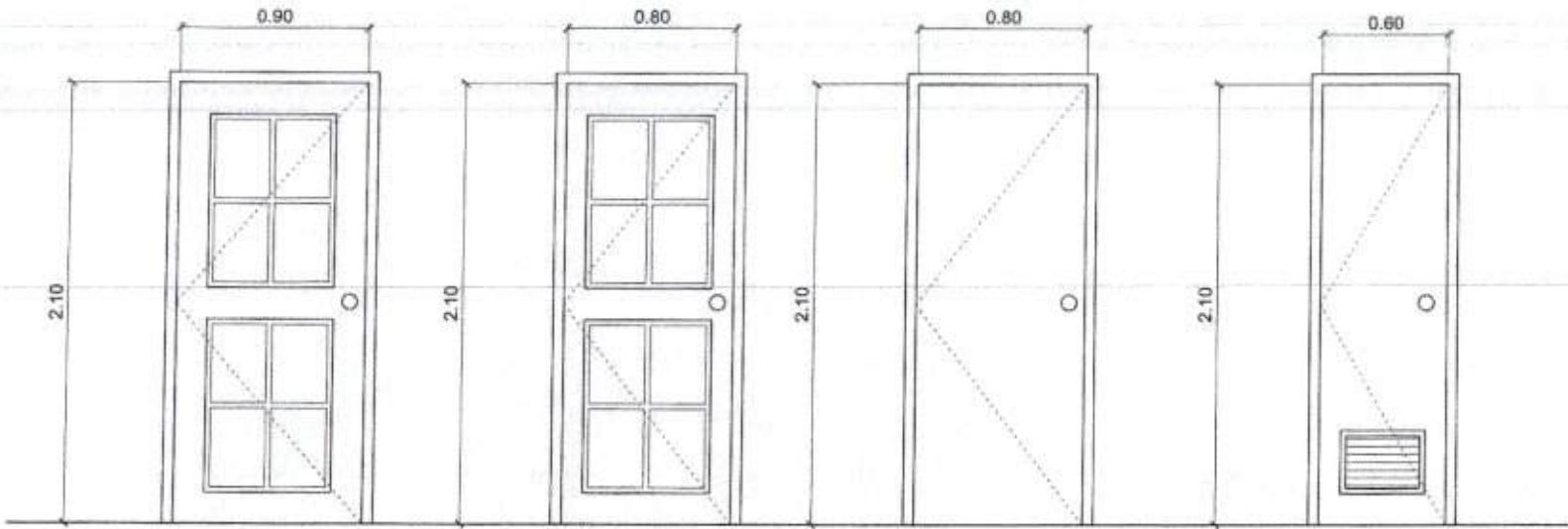


**REAR ELEVATION**

SCALE 1 : 100 MTS.

PREPARED BY:	END USER:	ENDORSED BY:	REC. APPROVAL:	APPROVED BY:	PROJECT TITLE/LOCATION:	IMPLEMENTING AGENCY:	SHT NO.:
E. N. RODRIGOS JR. PPU ONPD	L. C. ABOGADIE DIRECTOR OBA	O. A. DELGOS REYES DIRECTOR - PLANNING OFFICE M. M. BSOOBAR VPFO CVSU	A. A. POLINGA VPASS CVSU	H. D. ROBLES PRES CVSU	PROPOSED FACULTY HOUSING CVSU, MAIN CAMPUS	CAVITE STATE UNIVERSITY	A - 2



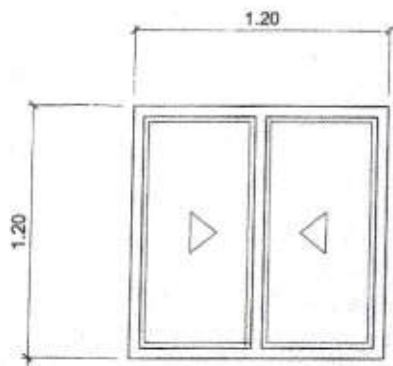


**D 1** 0.90m. X 2.10m. STEEL DOOR  
2 SETS

**D 2** 0.80m. X 2.10m. STEEL DOOR  
2 SETS

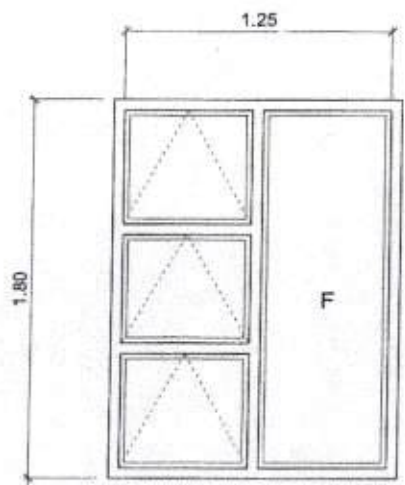
**D 2** 0.80m. X 2.10m. FLUSH DOOR  
4 SETS

**D 4** 0.60m. X 2.10m. PVC DOOR  
2 SETS



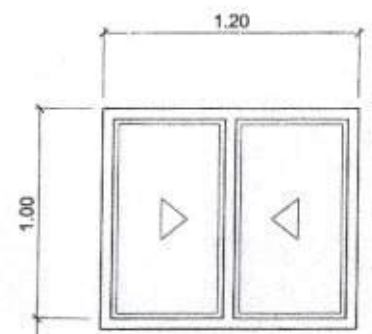
ALUMINUM SLIDING WINDOW COMPLETE W/  
ALL ACCESSORIES W / 1/4" THK COLORED GLASS  
ON COLORED POWDER COATED FINISH  
ALUMINUM FRAMING  
6 SETS

**W 1**



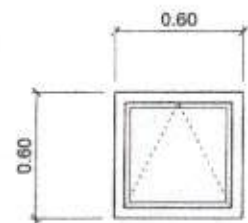
ALUMINUM AWNING WINDOW & FIXED WINDOW  
COMPLETE W / ALL ACCESSORIES W / 1/4" THK COLORED GLASS  
ON COLORED POWDER COATED FINISH  
ALUMINUM FRAMING  
4 SETS

**W 2**



ALUMINUM SLIDING WINDOW COMPLETE W /  
ALL ACCESSORIES W / 1/4" THK COLORED GLASS  
ON COLORED POWDER COATED FINISH  
ALUMINUM FRAMING  
2 SETS

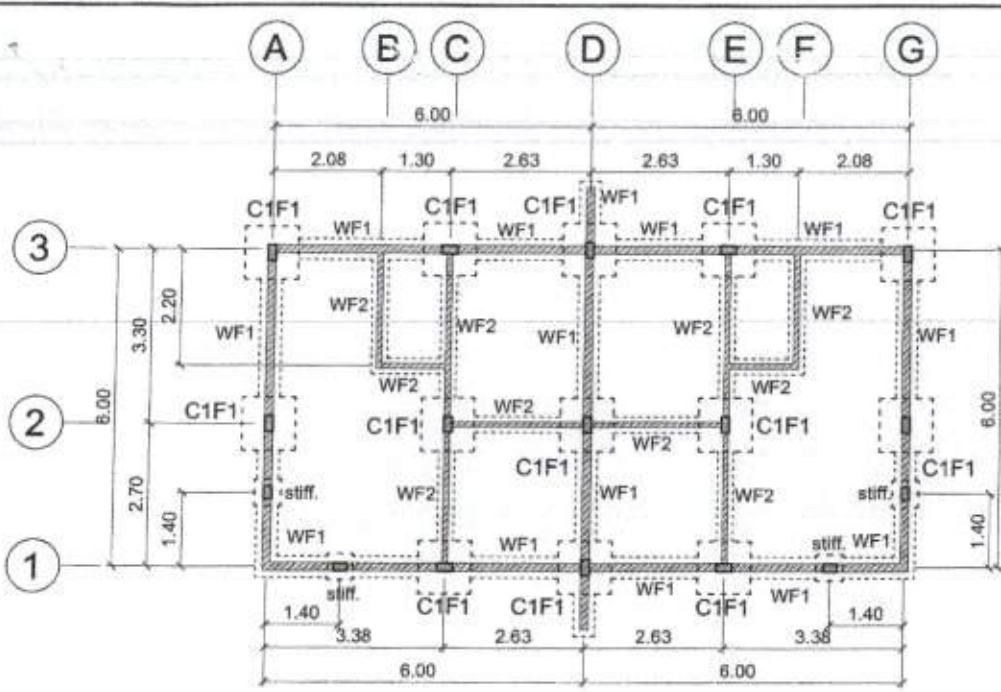
**W 3**



ALUMINUM AWNING WINDOW COMPLETE  
W / ALL ACCESSORIES W / 1/4" THK COLORED GLASS  
ON COLORED POWDER COATED FINISH  
ALUMINUM FRAMING  
2 SETS

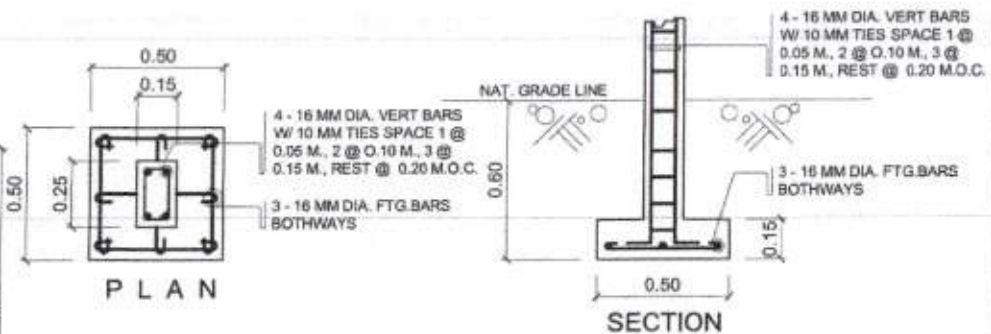
**W 4**

PREPARED BY: <i>E. N. RODRIGUEZ JR.</i> E. N. RODRIGUEZ JR. RRU	END USER: <i>L. C. ABOGADIE</i> L. C. ABOGADIE DIRECTOR OBA	ENDORSED BY: <i>O. B. DEL ROS REYES</i> O. B. DEL ROS REYES DIRECTOR PLANNING OFFICE <i>M. M. ESCOBAR</i> M. M. ESCOBAR VPED	REC. APPROVAL: <i>C. A. HOLINGA</i> C. A. HOLINGA VPASS	APPROVED BY: <i>V. D. ROBLES</i> V. D. ROBLES PRES	PROJECT TITLE/LOCATION: PR/REUSED FACULTY HOUSING CVSU, MAIN CAMPUS	IMPLEMENTING AGENCY: CAVITE STATE UNIVERSITY	SHEET NO.: A-3
--	--	--	--	---	---	---	-------------------



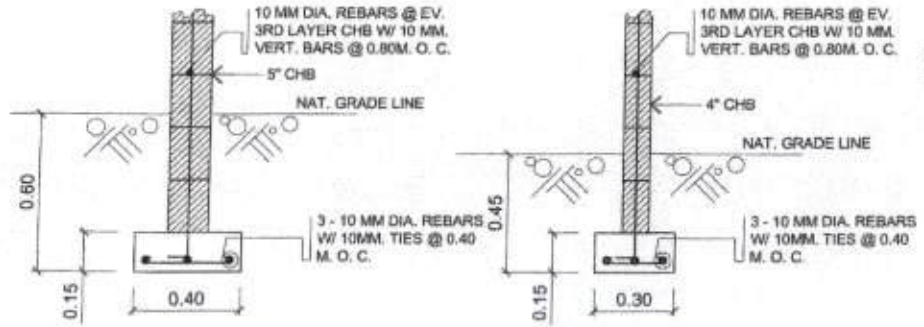
**FOUNDATION PLAN**

SCALE 1 : 100 MTS.



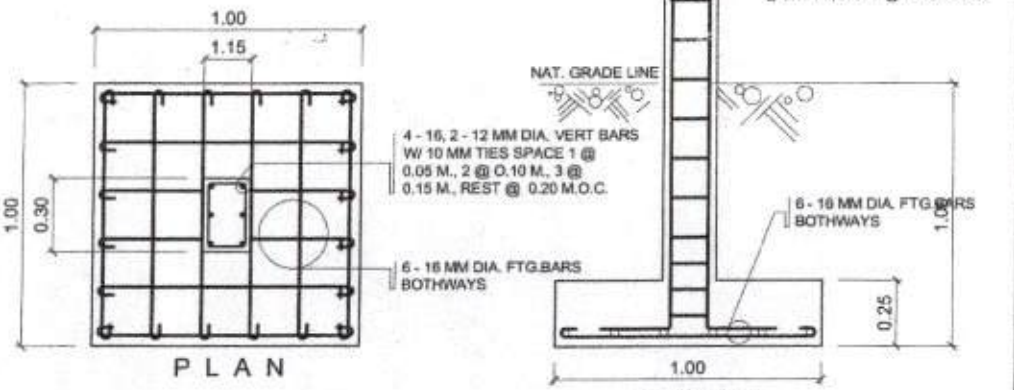
**DETAIL OF STIFFENER**

SCALE 1 : 20 MTS.



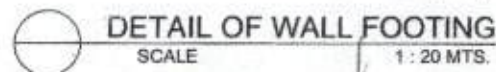
**SECTION OF WF 1**

**SECTION OF WF 2**



**DETAIL OF C1 F1**

SCALE 1 : 20 MTS.

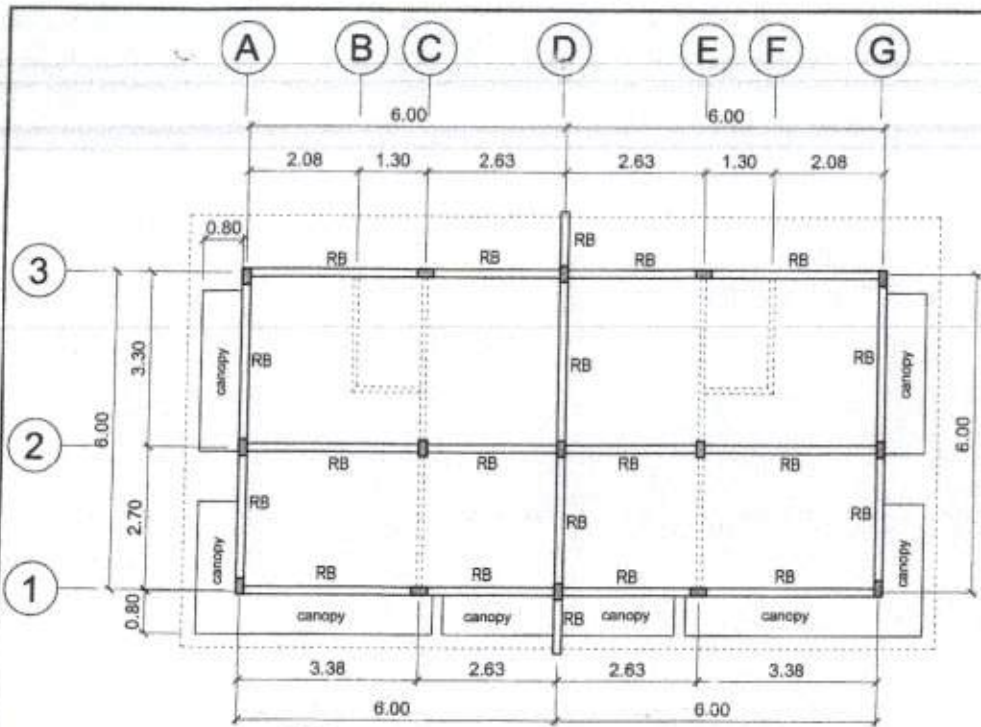


**DETAIL OF WALL FOOTING**

SCALE 1 : 20 MTS.

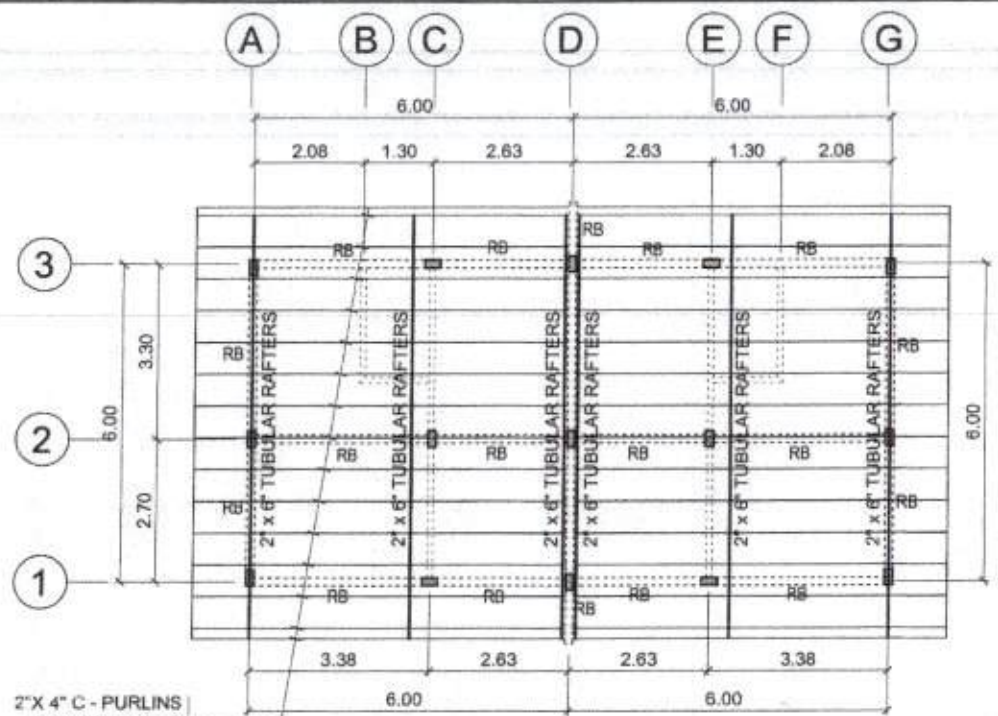
PREPARED BY: <i>E. N. RODEROS JR.</i> E. N. RODEROS JR. PPU	END USER: <i>L. E. ROCELA</i> L. E. ROCELA PPU	ENDORSED BY: <i>O. B. CELOS REVER</i> O. B. CELOS REVER COORDINATOR TRAINING OFFICE <i>M. M. ESCOBAR</i> M. M. ESCOBAR VPFO	REC. APPROVAL: <i>C. A. POLINGA</i> C. A. POLINGA VPASE	APPROVED BY: <i>H. D. ROBLES</i> H. D. ROBLES PRES	PROJECT TITLE/LOCATION: PROPOSED FACULTY HOUSING CVSU, MAIN CAMPUS	IMPLEMENTING AGENCY: CAVITE STATE UNIVERSITY	SHT NO.: S - 1
--	---	---	--	---	--	---	-------------------





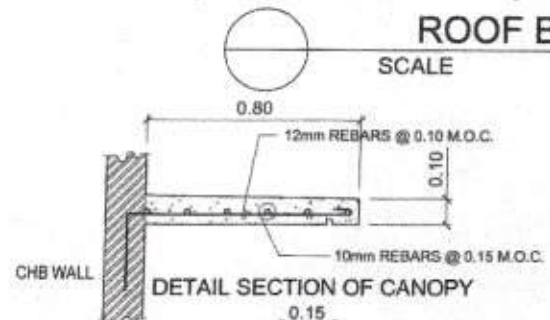
**ROOF BEAM PLAN**

SCALE 1 : 100 MTS.

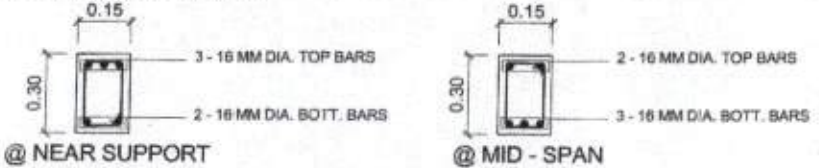


**ROOF FRAMING PLAN**

SCALE 1 : 100 MTS.



**DETAIL SECTION OF CANOPY**

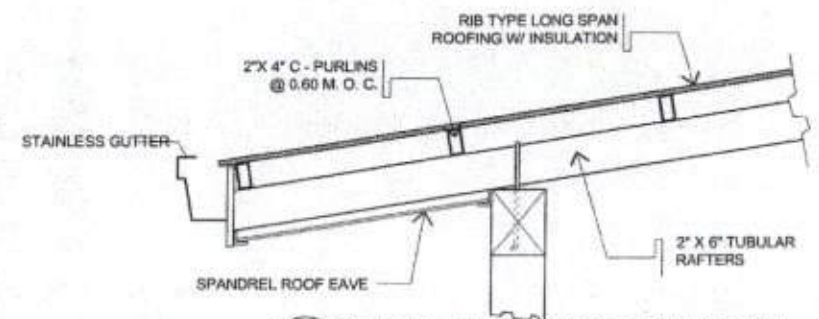


@ NEAR SUPPORT

@ MID - SPAN

**DET. SECTION OF ROOF BEAM**

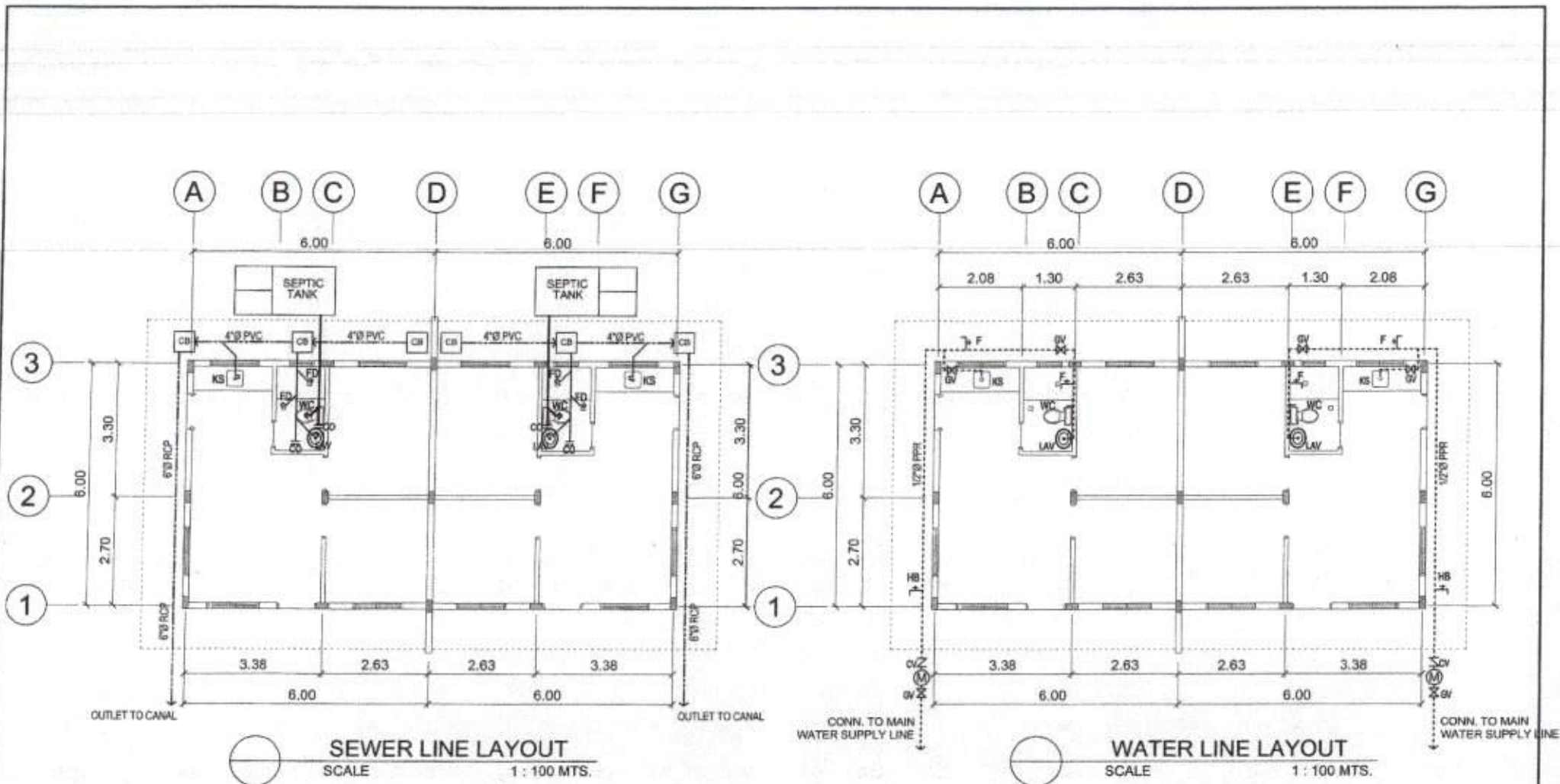
SCALE 1 : 20 MTS.



**DETAIL SECTION OF RAFTERS**

SCALE 1 : 20 MTS.

PREPARED BY: <i>E. N. RODRIGUES JR.</i> E. N. RODRIGUES JR. PPU	END USER: <i>L. C. ABOGADIE</i> L. C. ABOGADIE DIRECTOR	ENDORSED BY: <i>O. B. DELOS REYES</i> O. B. DELOS REYES DIRECTOR PLANNING OFFICE	REC. APPROVAL: <i>C. A. POLINGA</i> C. A. POLINGA VPASS	APPROVED BY: <i>H. D. ROBLES</i> H. D. ROBLES PRES	PROJECT TITLE/LOCATION: PROPOSED FACULTY HOUSING CVSU, MAIN CAMPUS	IMPLEMENTING AGENCY: CAVITE STATE UNIVERSITY	SHT NO.: S - 2
<i>E. E. ROCELA</i> E. E. ROCELA PPU	<i>L. C. ABOGADIE</i> L. C. ABOGADIE DIRECTOR	<i>M. E. ESCOBAR</i> M. E. ESCOBAR VPFO	<i>C. A. POLINGA</i> C. A. POLINGA VPASS	<i>H. D. ROBLES</i> H. D. ROBLES PRES			



SEWER LINE LAYOUT  
SCALE 1:100 MTS.

WATER LINE LAYOUT  
SCALE 1:100 MTS.

PREPARED BY:  
*E. N. Roderos Jr.*  
E. N. RODEROS JR.  
RPU CAPPD

REG. MASTER PLUMBER:  
*S. B. Bayct Jr.*  
S. B. BAYCT JR.  
RPU CAPPD

END USER:  
*L. C. Abogadie*  
L. C. ABOGADIE  
DIRECTOR OBA

ENDORSED BY:  
*O. B. de los Reyes*  
O. B. DE LOS REYES  
DIRECTOR PLANNING OFFICE  
*M. M. Bodear*  
M. M. BODEAR  
VPFO CVSU

REC. APPROVAL:  
*C. A. Polinga*  
C. A. POLINGA  
VPASS CVSU

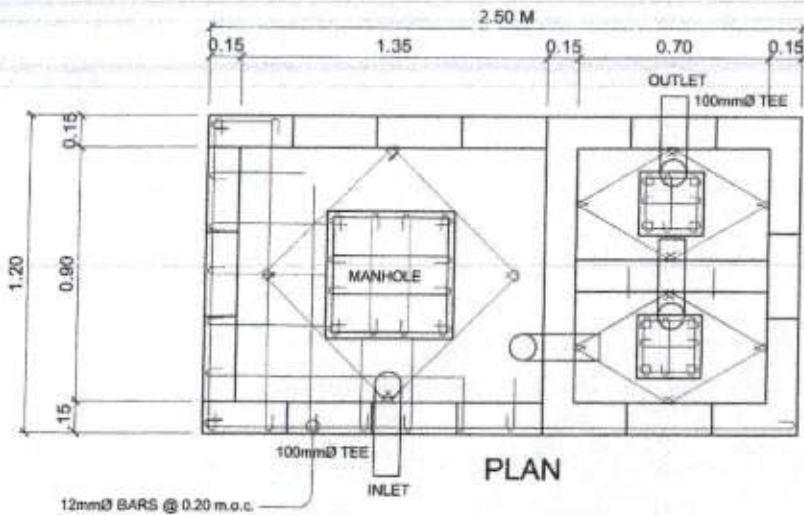
APPROVED BY:  
*H. D. Robles*  
H. D. ROBLES  
PRES CVSU

PROJECT TITLE/LOCATION:  
PROPOSED FACULTY HOUSING  
CVSU, MAIN CAMPUS

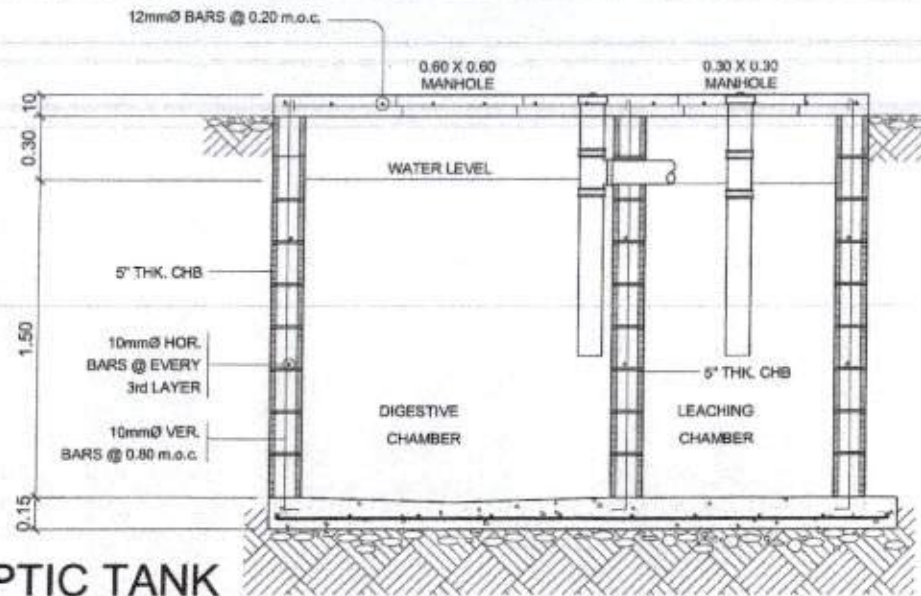
IMPLEMENTING AGENCY:  
CAVITE STATE UNIVERSITY

SHT NO.:  
P-1





PLAN

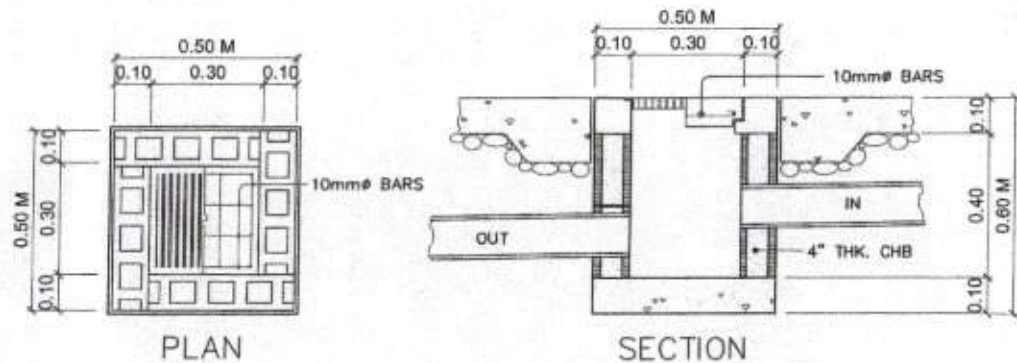


SECTION

○ **DETAIL OF SEPTIC TANK**  
SCALE 1 : 20 MTS.

**GENERAL NOTES**

1. ALL PLUMBING WORKS INCLUDED HEREIN SHALL BE EXECUTED ACCORDING TO THE PROVISIONS OF THE PHIL. PLUMBING CODE, THE NATIONAL PLUMBING CODE & THE RULES & REGULATIONS OF MENDEZ, CAVITE.
2. COORDINATE THE DRAWING WITH OTHER RELATED DRAWINGS AND SPECIFICATION. THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCY FOUND THEREIN.
3. ALL PIPES SHALL BE INSTALLED AS INDICATED ON PLANS. ANY RELOCATIONS REQUIRED FOR PROPER EXECUTION OF OTHER TRADE SHALL BE WITH PRIOR APPROVAL OF THE ARCHITECT OR ENGINEER.
4. PROPOSED SANITARY UTILITIES SHALL CONFORM TO THE ACTUAL LOCATION, DEPTH AND INVERT ELEVATION OF ALL EXISTING PIPES AND STRUCTURES AS VERIFIED BY THE CONTRACTOR. APPROVED EQUAL.
5. ALL SLOPES FOR HORIZONTAL DRAINAGE SHALL MAINTAIN 1% UNLESS OTHERWISE SPECIFIED.
6. SIZE OF WATER SUPPLY PIPES TO FIXTURES SHALL BE IN ACCORDANCE WITH WITH THE MANUFACTURER'S INSTRUCTIONS.
7. THE CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES AT SITE, COORDINATE THE WORKS WITH THE SEWER LINE EFFLUENT DISPOSAL POINT AND WATER LINE SERVICE CONNECTING POINT UNLESS OTHERWISE SPECIFIED.
8. ALL PIPE SIZES ARE IN MILLIMETERS AND ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.



PLAN

SECTION

○ **DETAIL OF CATCH BASIN**

PREPARED BY:  
*E. N. Roderos Jr.*  
**E. N. RODEROS JR.**

REG. MASTER NUMBER:  
**S. B. BAYON JR.**

END USER:  
*L. C. Abogadie*  
**L. C. ABOGADIE**  
DIRECTOR OBA

ENDORSED BY:  
*O. B. Delos Reyes*  
**O. B. DELOS REYES**  
DIRECTOR VPASS  
*M. M. Escobar*  
**M. M. ESCOBAR**  
VPAS

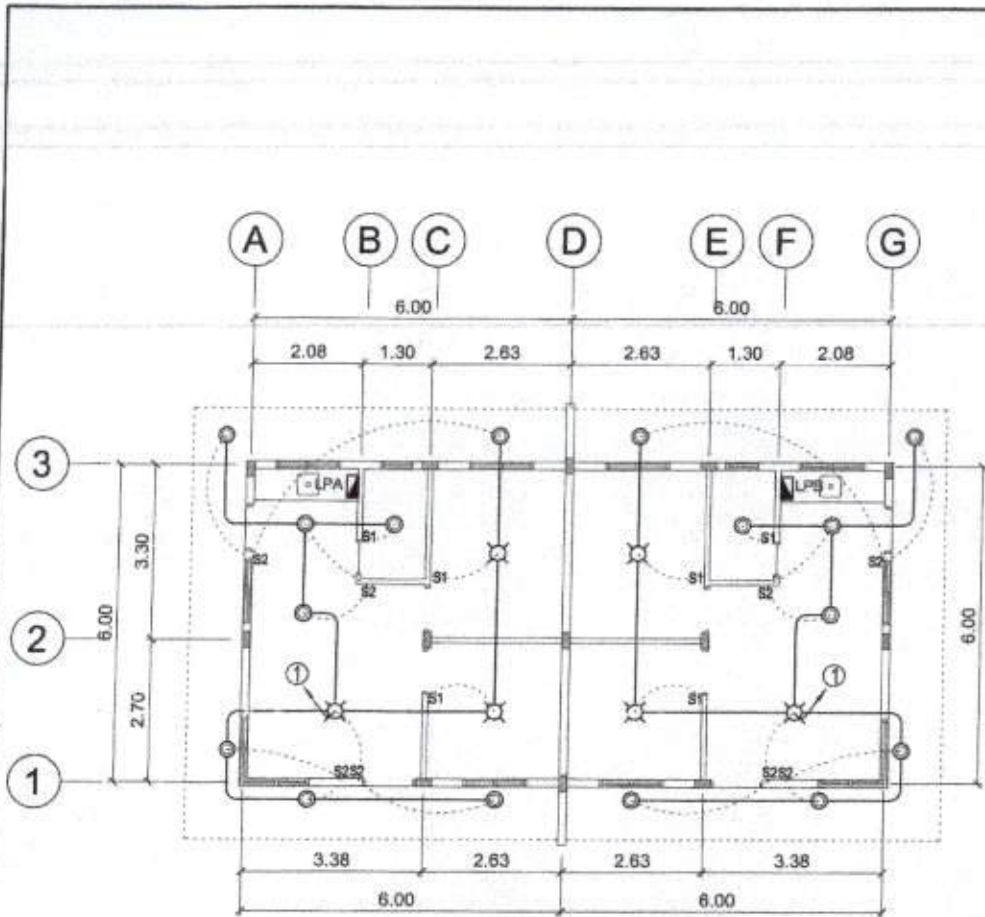
REC. APPROVED:  
*C. A. Polinga*  
**C. A. POLINGA**  
VPASS CVSU


APPROVED BY:  
*H. D. Robles*  
**H. D. ROBLES**  
PRES CVSU

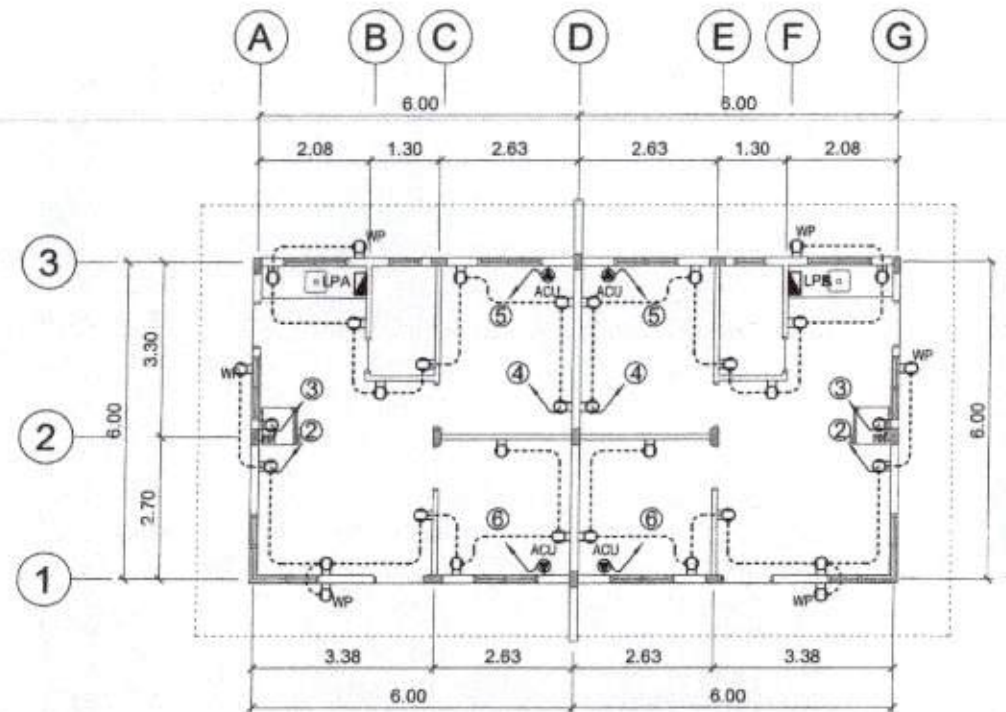
PROJECT TITLE/LOCATION:  
**PROPOSED FACULTY HOUSING**  
CVSU, MAIN CAMPUS


IMPLEMENTING AGENCY:  
**CAVITE STATE UNIVERSITY**

SHT NO.:  
**P - 2**




**LIGHTING LAYOUT**  
 SCALE 1 : 100 MTS.




**CONVENIENCE OUTLET LAYOUT**  
 SCALE 1 : 100 MTS.

PREPARED BY:

**E. N. RODEROS, JR.**

PPU OUPFD

PROF. ELECT. ENGR.:

**R. P. PEÑA**

PPU OUPFD

END USER:

**L. C. ARCADE**

DIRECTOR OBA

ENDORSED BY:

**O. B. DELOS REYES**  
DIRECTOR - PLANNING OFFICE

**M. M. ESCOBAR**  
VPD CVSU

REC. APPROVED:

**U. A. POJINGA**

VPASS CVSU

APPROVED BY:

**H. D. KOBLES**

PRES CVSU

PROJECT TITLE/LOCATION:

**PROPOSED FACULTY HOUSING**  
CVSU, MAIN CAMPUS

IMPLEMENTING AGENCY:

**CAVITE STATE UNIVERSITY**

SHT NO.:

**E - 1**



# SCHEDULE OF LOADS

PANEL: LP      CABLE: 2 - 8.0 SQ. MM THHN + G 5.5 SQ MM THHN      MAIN: 50 AT, 50AF, 2P, 230V, 18 KAIC, MCCB  
 PHASE: 1      CONDUIT: RSC, 25 MM DIA.      ENCLOSURE: NEMA 1  
 VOLTS: 230      MOUNTING: SURFACE

CKT NO.	NO. OF OUTLETS	CIRCUIT DESCRIPTION	LOAD IN			CIRCUIT PROTECTION CIRCUIT BREAKER RATING	Size of Conductor		Size Of Conduit in MMφ	Color Code
			WATTS	VOLT	AMPERES		SQ. MM THHN	SQ. MM THHN(G)		
1	11	LIGHTING OUTLET	1100	230	4.78	15AT, 2P, 10 KAIC	2 - 2.0	15	1R, 1BK	
2	8	CONVENIENCE OUTLET	1440	230	6.26	20AT, 2P, 10 KAIC	2 - 3.5 + G 2.0	15	1R, 1BK, G	
3	1	REFRIGERATOR	750	230	3.26	20AT, 2P, 10 KAIC	2 - 3.5 + G 2.0	15	1R, 1BK	
4	8	CONVENIENCE OUTLET	3600	230	15.22	20AT, 2P, 10 KAIC	2 - 3.5 + G 2.0	15	1R, 1BK, G	
5	1	ACU	1000	230	8.00	20AT, 2P, 10 KAIC	2 - 3.5 + G 2.0	15	1R, 1BK, G	
6	1	ACU	1000	230	8.00	20AT, 2P, 10 KAIC	2 - 3.5 + G 2.0	15	1R, 1BK, G	
7		SPARE								
8		SPARE								
<b>TOTAL</b>			<b>8790</b>	<b>230</b>	<b>45.52</b>	<b>50AT, 2P, 10 KAIC</b>	<b>2 - 8.0 + G 5.5</b>	<b>25</b>	<b>1R, 1BK, G</b>	

**FEEDER and CURRENT PROTECTION COMPUTATION**

NOTE:

G - Means Ground Wire  
 1R - Color RED  
 1BK - Color BLACK  
 1G - Color GREEN

$I_{FE} = \frac{[40.91 + 25\% \times Im]}{DF} = 46.34 \text{ Amperes}$   
**use: 2 - 8.0 SQMM THHN + 1 - 5.5 SQMM THHN IN 25 MM DIA. RSC**

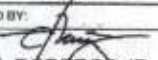
$ICB = \frac{[40.91 + 250\% \times Im]}{DF} = 53.67 \text{ Amperes}$   
**use: 50AT, 50AF, 2P, 230V, 10KAIC, CB**



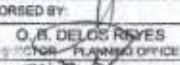


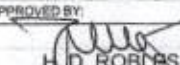
*This Electrical Design is good only for the above connected loads.  
 Any additional electrical load connection in the future is prohibited,  
 Except redesign of electrical load system will be done.*

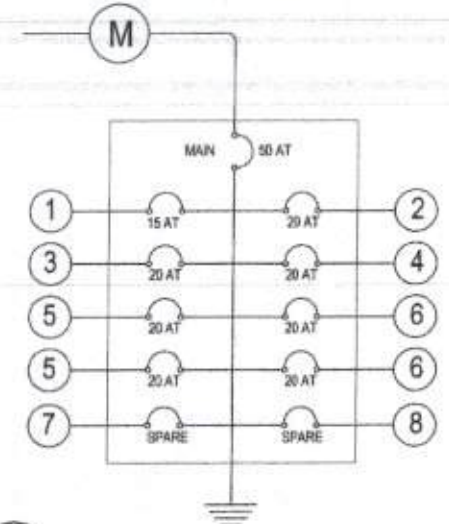
PREPARED BY: RONALD P. PENA  
 Professional Electrical Engineer  
 PRC # 3857  
 Expiry: April 1, 2022  
 PTR # CAV 2124168  
 Date: Jan. 04, 2021  
 Place: Indang, Cavite  
 TIN # 102-441-098

## NOTES & SPECIFICATIONS :

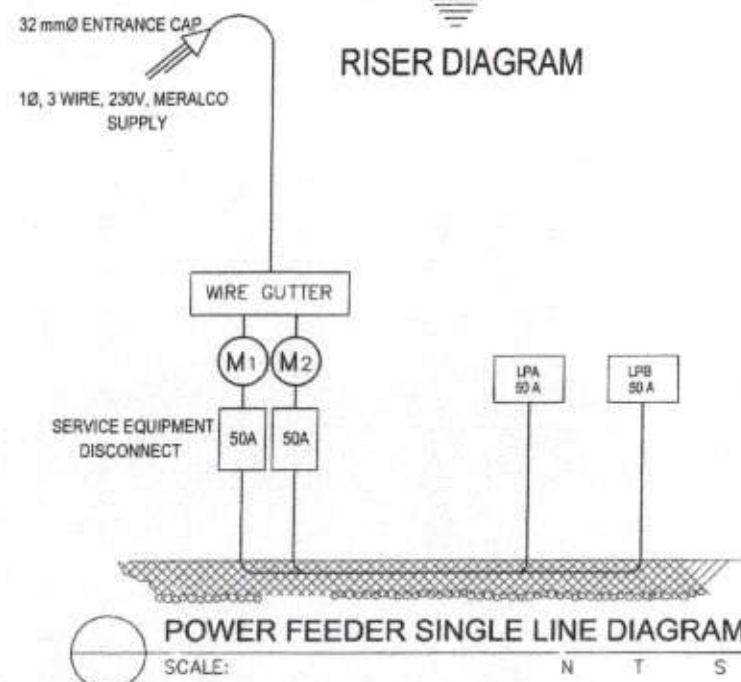
1. ALL ELECTRICAL WORKS TO BE UNDERTAKEN SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE PHILIPPINE ELECTRICAL CODE PART 1 AND 2 AND THE RULES AND REGULATIONS OF LOCAL ENFORCING UTILITY POWER AND TELEPHONE COMPANY.
2. ALL MATERIALS AND EQUIPMENT TO BE USED SHALL BE NEW AND APPROVED TYPE FOR BOTH LOCATION AND PURPOSES.
3. THERE SHALL BE ONLY ONE SERVICE DROP IN A BUILDING 230 VOLTS, 3 WIRE, 1 PHASE, 60 CYCLE.
4. THE ELECTRICAL WORKS SHALL BE UNDER THE IMMEDIATE SUPERVISION OF A DULY LICENSED ELECTRICAL ENGINEER OR MASTER ELECTRICIAN AUTHORIZED FOR EACH GRADE.
5. THE MINIMUM SIZE OF WIRE SHALL BE NUMBER 2.0mm<sup>2</sup> COPPER, THHN TYPE UNLESS OTHERWISE NOTED.
6. WIRING METHOD SHALL BE PVC FOR ALL BRANCH CIRCUITS AND RSC FOR SERVICE ENTRANCE.
7. PROPER GROUNDING OR ELECTRICAL EQUIPMENT SHALL BE IN ACCORDANCE WITH THE PHILIPPINE ELECTRICAL CODE.
8. FIELD VERIFICATION SHALL BE DONE BY THE CONTRACTOR ANY DISCREPANCIES OR CHANGES SHALL BE PROMPTLY NOTIFIED TO THE OWNER'S REPRESENTATIVE OR DESIGNER.
9. TYPE OF LIGHTING FIXTURE SHALL BE SUBMITTED TO THE ENGINEER OR ARCHITECT FOR APPROVAL.
10. MOUNTING HEIGHT
  1. SWITCHES-1400 MM.
  2. CONVENIENCE OUTLET-300 MM.
  3. CONVENIENCE OUTLET (COUNTER)-300 MM. ABOVE COUNTER.
  4. REFRIGERATOR/ACU/RANGE OUTLET-300 MM.
  5. WATER HEATER-500 MM. BELOW CEILING LINE.
  6. CHIME BELL-300 MM. BELOW CEILING LINE.
  7. TELEPHONE/TV/INTERCOM OUTLET-300 MM.
  8. HEAT/SMOKE DETECTOR-CEILING MOUNTED.
  9. EMERGENCY LIGHT-500 MM. BELOW CEILING LINE.
  10. METER CENTER-SUBMIT SHOP DRAWING FOR APPROVAL.

PREPARED BY:  
  
**E. N. RODEROS JR.**  
 PRU      OUPPD

PROF. ELECTL. ENGR:  <b>R. P. PENA</b> PRU      OUPPD	END USER:  <b>L. C. ABOGADIE</b> DIRECTOR      OBA	ENDORSED BY:  <b>O. B. DELOS REYES</b> PLANNING OFFICE  <b>M. M. ESCOBAR</b> CVSU	REC. APPROVAL:  <b>C. A. POLINGA</b> VPASS      CVSU	APPROVED BY:  <b>H. D. ROBLER</b> PRES      CVSU	PROJECT TITLE/LOCATION: PROPOSED FACULTY HOUSING CVSU, MAIN CAMPUS	IMPLEMENTING AGENCY: CAVITE STATE UNIVERSITY	SHT NO: E - 2
---	--	---	---	--	--	---	------------------

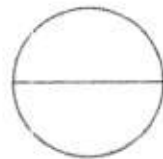
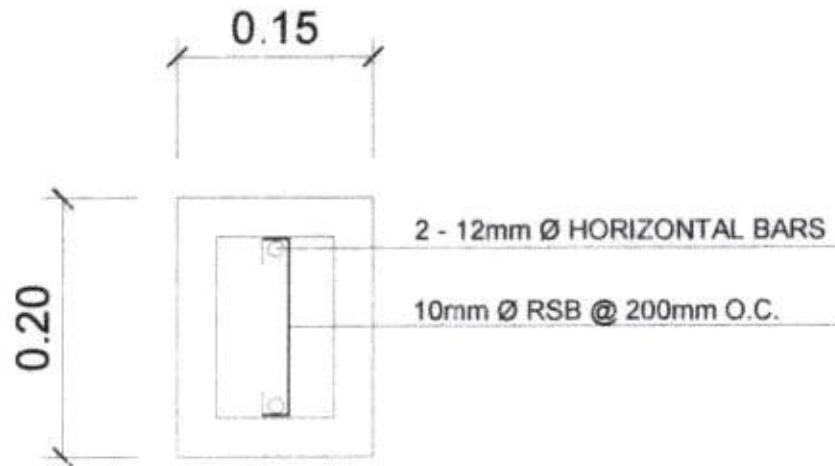


**RISER DIAGRAM**



**POWER FEEDER SINGLE LINE DIAGRAM**

SCALE:      N      T      S



### LINTEL BEAM PLAN

SCALE

1:10 MTS



Electrical Concrete Post

