

GENERAL NOTES AND SPECIFICATIONS:

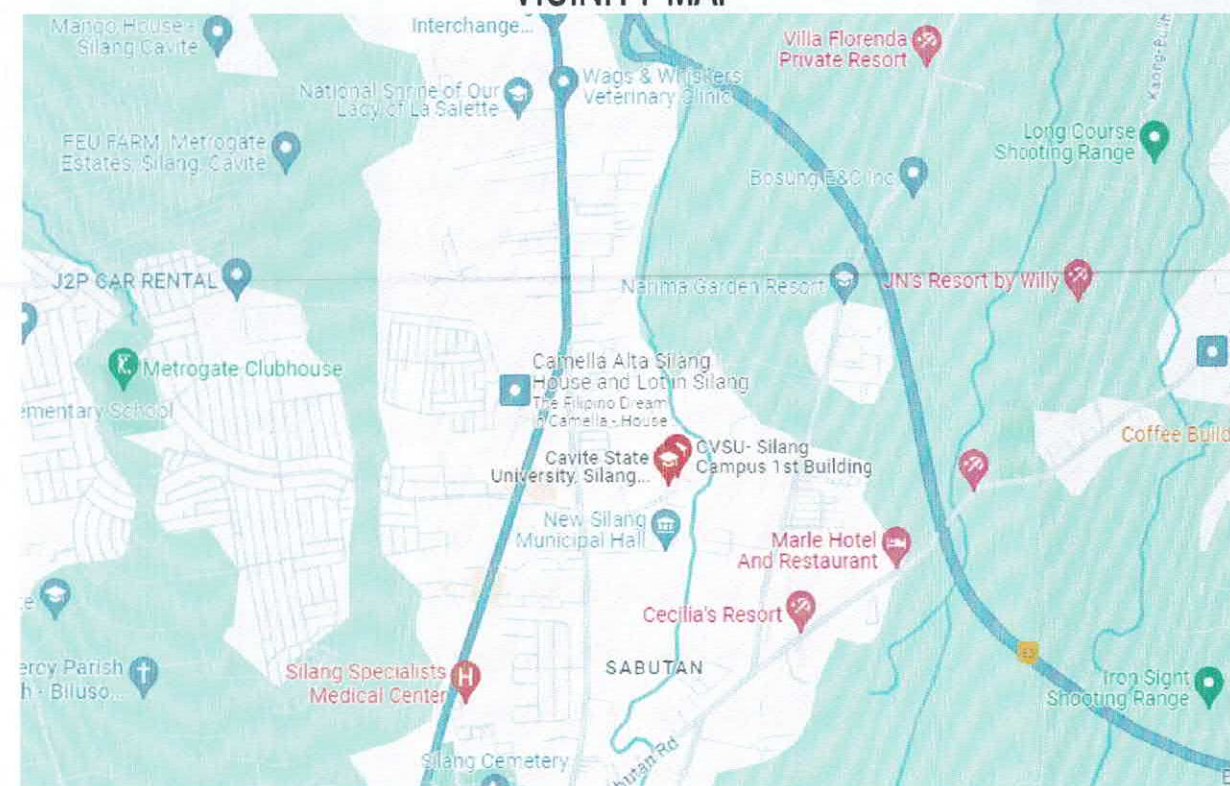
1. ALL WORK HEREIN SHALL BE DONE IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS.
2. ELECTRICAL WORKS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE PHILIPPINE ELECTRICAL CODE, MUNICIPAL/CITY LAWS AND ORDINANCES AND THE REGULATIONS OF THE LOCAL POWER AND TELEPHONE COMPANY.
3. THE JOB SHALL BE EXECUTED IN THE MOST THOROUGH PROMPT AND WORKMANLIKE MANNER EMPLOYING STANDARD TOOLS, EQUIPMENT, METHODS AND GOOD ENGINEERING PRACTICE. THE JOB SHALL BE DONE IN ALL ASPECTS AS REQUIRED PER PLANS AND SPECIFICATIONS AND READY FOR OPERATION.
4. THE DRAWINGS AND SPECIFICATIONS ARE INTENDED TO PRESENT A GENERAL LAYOUT AND BROAD OUTLINE/DESCRIPTION OF THE PROJECT, BUT DO NOT NECESSARILY INDICATE OR DESCRIBE ACTUAL LOCATIONS, LEVELS AND DISTANCES OF THE EQUIPMENT. THE CONTRACTOR IS HEREBY REQUIRED TO MAKE SUCH ADJUSTMENTS AT THE JOBSITE THAT ARE GOVERNED BY ACTUAL FIELD CONDITION.
5. SERVICE VOLTAGE TO THE BUILDING FROM THE POWER SOURCE SHALL BE 230V.
6. SERVICE ENTRANCE WIRING SHALL BE RIGID STEEL CONDUIT (RSC).
7. FEEDER WIRING SHALL BE ELECTRICAL METALLIC TUBING (EMT).
8. BRANCH CIRCUIT WIRING ELECTRICAL METALLIC TUBING (EMT).
9. BRANCH CIRCUIT WIRING EMBEDDED IN CONCRETE SHALL BE IN PVC PIPE WITH ADEQUATE GROUND WIRE FOR EQUIPMENT GROUNDING.
10. LIGHT SWITCHES SHALL BE 15A, 230VAC.
11. ALL MATERIALS SHALL BE BRAND NEW AND OF APPROVED TYPE FOR LOCATION AND PURPOSE INTENDED.
12. DEVICES, FIXTURES LOCATED OUTDOOR SHALL BE WEATHERPROOF TYPE.
13. MOUNTING HEIGHTS ARE:

A. LIGHT SWITCHES	1.40M ABOVE FLOOR FINISH
B. CONVENIENCE OUTLETS	0.30M ABOVE FLOOR FINISH
C. COUNTER TOP C.O.	0.40M TO .50M ABOVE THE COUNTER
D. TELEPHONE OUTLETS	0.30M ABOVE FLOOR FINISH
E. PANEL BOARD	1.50M ABOVE FLOOR FINISH
F. EMERGENCY LIGHT	0.30M BELOW CEILING LINE
14. ANY DISCREPANCY BETWEEN THE PLANS AND SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR CLARIFICATION OR DECISION.
15. THE ENTIRE WORK SHALL BE DONE UNDER THE DIRECT SUPERVISION OF DULY REGISTERED ELECTRICAL ENGINEER.
16. REFER TO SHEET E-2 FOR EXACT NUMBER AND LOCATION OF DEVICES/EQUIPMENT FOR ELECTRICAL SYSTEM. ANY CONFLICT ON QUANTITY AND/OR LAYOUT MUST BE VERIFIED AND CONFIRMED TO DESIGNER/CONSULTANT.
17. REFER TO LOAD SCHEDULE FOR THE RATING OF INDIVIDUAL ENCL, ACB'S IN NEMA-3R.
18. ALL ELECTRICAL CONDUITS AND TELEPHONE SERVICE ENTRANCE THAT INSTALLED BELOW THE GROUND SHALL BE IN CONCRETE ENCASEMENT.
19. ANY DEVICES OR EQUIPMENT NOT REFLECTED OR SHOWN ON PLANS BUT REQUIRED TO COMPLETE THE SYSTEM MUST BE INCLUDED ON SCOPE OF WORK.
20. REQUEST FOR TEMPORARY POWER INTERRUPTION SHOULD BE COORDINATED TO OWNER'S REPRESENTATIVE OR DESIGNER.
21. THE SIZE OF GENERATOR IS 40% OF THE TOTAL VA LOAD. THIS IS INTENDED TO SUPPLY ELECTRIC POWER FOR LIGHTINGS AND OTHER IMPORTANT APPLIANCES DURING THE POWER INTERRUPTION OF MAIN POWER SOURCE.

LEGEND AND SYMBOLS :

	LED DOWNLIGHT, VERTICAL RECESSED, ROUND 12W w/ 6" CASING FIXTURE		CIRCUIT BREAKER WITH NEMA 3R METAL ENCLOSURE
	1-9W LED TUBE LIGHT WITH DIFFUSER, 2 FT. LENGTH (FL)		ACU CONDENSER OUT DOOR UNIT WITH NEMA 3R CIRCUIT BREAKER
	2-9W LED TUBE LIGHT WITH DIFFUSER, 2 FT. LENGTH (FL)		ACU WALL/FLOOR MOUNTED, SPLIT TYPE, INDOOR UNIT
	1-18W LED TUBE LIGHT WITH DIFFUSER, 4 FT. LENGTH (FL)		ELECTRICAL LINE
	2-18W LED TUBE LIGHT WITH DIFFUSER, 4 FT. LENGTH (FL)		LIGHTING SWITCH
	EMERGENCY LIGHT (EL)		CIRCUIT HOMERUN
	ONE GANG SWITCH		CIRCUIT NUMBER
	TWO GANG SWITCH		PANEL BOARD
	THREE GANG SWITCH		SERVICE ENTRANCE
	THREE WAY SWITCH		KILOWATT HOUR METER
	TWO GANG CONVENIENCE OUTLET		CONSTRUCTION POINTS
	WEATHER-PROOF TWO GANG CONVENIENCE OUTLET		SECONDARY STEEL POLE
	TWO GANG CONVENIENCE OUTLET (FLOOR MOUNTED)		SECONDARY CONCRETE POLE
	TWO GANG SPECIAL POWER OUTLET (FLOOR MOUNTED)		PRIMARY CONCRETE POLE
	THREE PIN ACU OUTLET		SERVICE ENTRANCE CONCRETE PEDESTAL
	ACU WINDOW TYPE		TRUSS/DOWN GUY SUPPORT

VICINITY MAP



	PREPARED BY: R. J. R. SANCHEZ PDU	END USER: J. L. REYES CAMPUS ADMINISTRATOR CVSU SILANG	REVIEWED BY: R. P. PERA PROF. ELEC. ENGINEER	ENDORSED BY: S. B. BAYOT JR. HEAD PDU	REC. APPROVAL: O. B. DELOS REYES DIRECTOR PLANNING AND DEVT. OFFICE	APPROVED BY: M. L. D. TEOPORA VPPD CVSU	APPROVED BY: J. X. B. NEPOMUCENO VPASS CVSU	APPROVED BY: H. D. ROBLES PRES CVSU	PROJECT TITLE/ LOCATION: IMPROVEMENT OF ELECTRICAL POWER SYSTEM OF CVSU SILANG CAMPUS CAVITE STATE UNIVERSITY SILANG CAMPUS	IMPLEMENTING AGENCY: CAVITE STATE UNIVERSITY	SHT NO: E - 1
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CONSTRUCTION POINTS

CP1

- CONSTRUCTION OF ELECTRICAL HOUSE IN ACCORDANCE WITH THE PLAN (A-1 & S-1).
- SUPPLY AND INSTALLATION OF PANEL BOARDS, BUSBAR GUTTER AND CIRCUIT BREAKERS FOR MAIN DISTRIBUTION PANEL MDP (SEE SCHEDULE OF LOAD FOR SPECIFICATIONS).
- INSTALLATION OF CONDUCTOR WIRES, CONDUIT PIPES AND SUPPORT BRACKETS.
- INSTALLATION OF SERVICE ENTRANCE CONCRETE PEDESTAL WITH CONDUIT PIPES, THHN/THWN COPPER CONDUCTOR WIRES, SUPPORT BRACKETS AND ACCESSORIES. SEE E-3 FOR DETAILS.
- INCLUDE TAPPING/TERMINATION OF WIRES TO SOURCE.

CP2, CP3, CP4 AND CP5

- SUPPLY AND INSTALLATION OF SECONDARY STEEL POLES (4 SETS) INCLUDING THE MOUNTING BRACKET. SEE E-3 FOR DETAILS.

CP6, CP7, CP8, CP11, AND CP12

- SUPPLY AND INSTALLATION OF SECONDARY CONCRETE POLES (5 SETS) INCLUDING THE MOUNTING BRACKET. SEE E-3 FOR DETAILS.

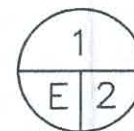
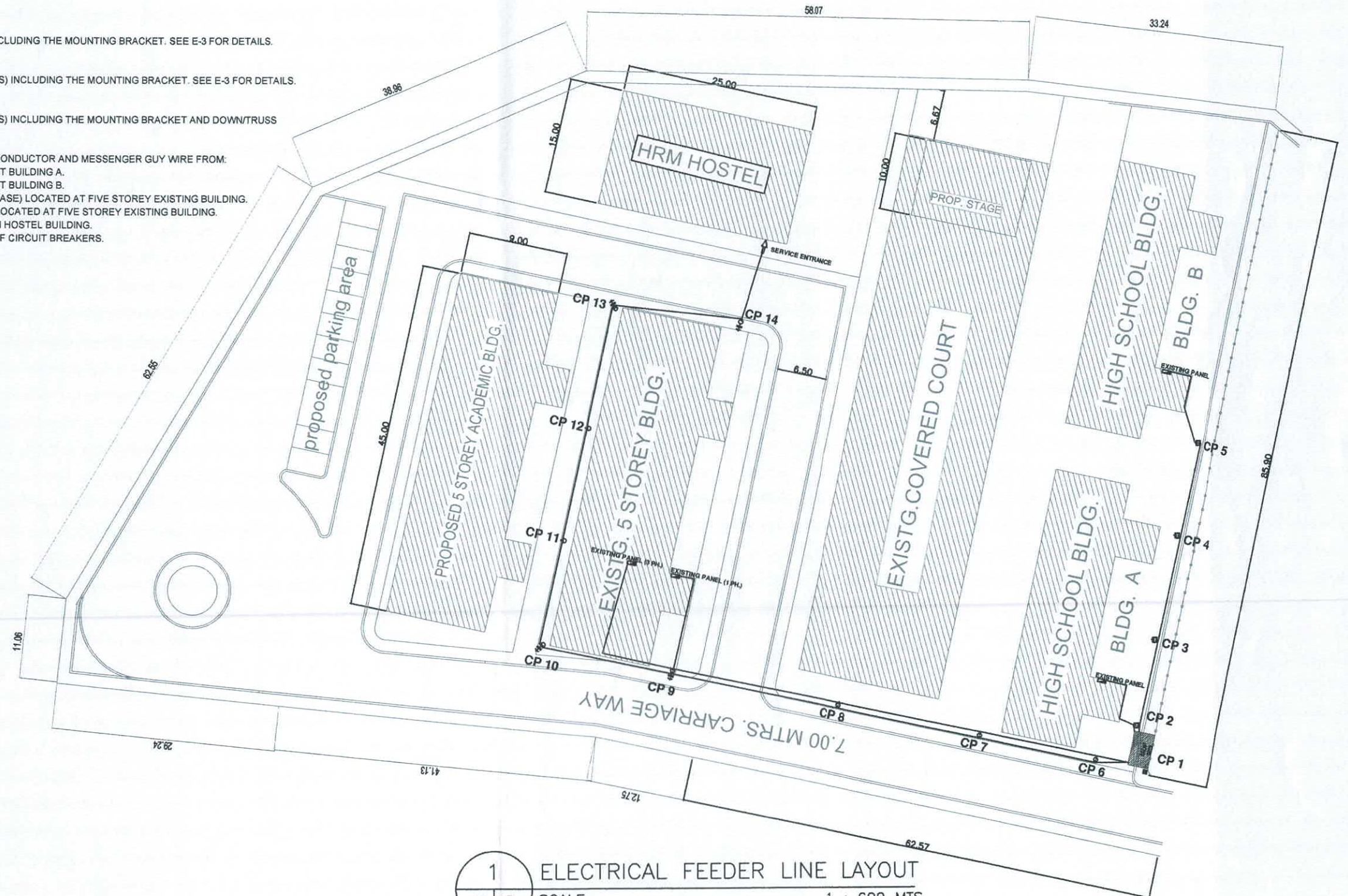
CP9, CP10, CP13 AND CP14

- SUPPLY AND INSTALLATION OF SECONDARY CONCRETE POLES (4 SETS) INCLUDING THE MOUNTING BRACKET AND DOWN/TRUSS GUY. SEE E-3 FOR DETAILS.

SUPPLY AND INSTALLATION, CABLE PULLING OF THHN/THWN COPPER CONDUCTOR AND MESSENGER GUY WIRE FROM:

- MDP LOCATED AT ELECTRICAL HOUSE TO EXISTING PANEL LOCATED AT BUILDING A.
- MDP LOCATED AT ELECTRICAL HOUSE TO EXISTING PANEL LOCATED AT BUILDING B.
- MDP LOCATED AT ELECTRICAL HOUSE TO EXISTING PANEL (SINGLE PHASE) LOCATED AT FIVE STOREY EXISTING BUILDING.
- MDP LOCATED AT ELECTRICAL HOUSE TO EXISTING PANEL (3 PHASE) LOCATED AT FIVE STOREY EXISTING BUILDING.
- MDP LOCATED AT ELECTRICAL HOUSE TO SERVICE ENTRANCE OF HRM HOSTEL BUILDING.

NOTE: INCLUDE TAPPING TO THE PANEL BOARDS AND ENERGIZATION OF CIRCUIT BREAKERS.

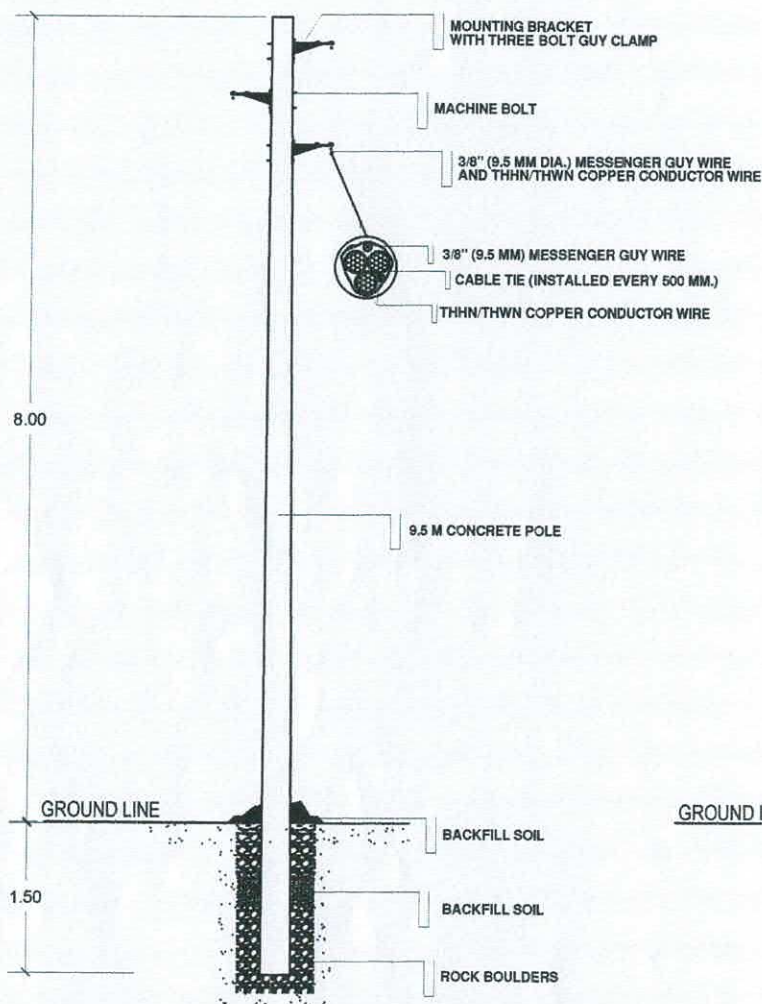


ELECTRICAL FEEDER LINE LAYOUT

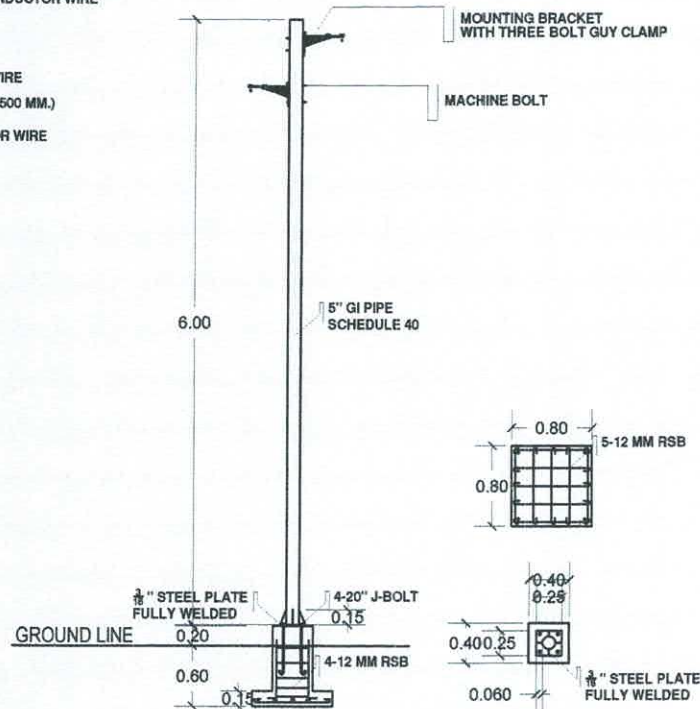
SCALE

1 : 600 MTS

	PREPARED BY: R. J. R. SANCHEZ PDU	END USER: J. L. REYES CAMPUS ADMINISTRATOR	REVIEWED BY: R. P. PENA PROF. ELEC. ENGINEER	ENDORSED BY: S. B. BAYOT JR. HEAD	ENDORSED BY: O. B. DELOS REYES DIRECTOR	REC. APPROVAL: M. J. D. TEPORA VPPD	REC. APPROVAL: J. X. B. NEPOMUCENO VPASS	APPROVED BY: H. D. ROBLES PRES	PROJECT TITLE/ LOCATION: IMPROVEMENT OF ELECTRICAL POWER SYSTEM OF Cvsu SILANG CAMPUS CAVITE STATE UNIVERSITY	IMPLEMENTING AGENCY: CAVITE STATE UNIVERSITY	SHT NO: E - 2
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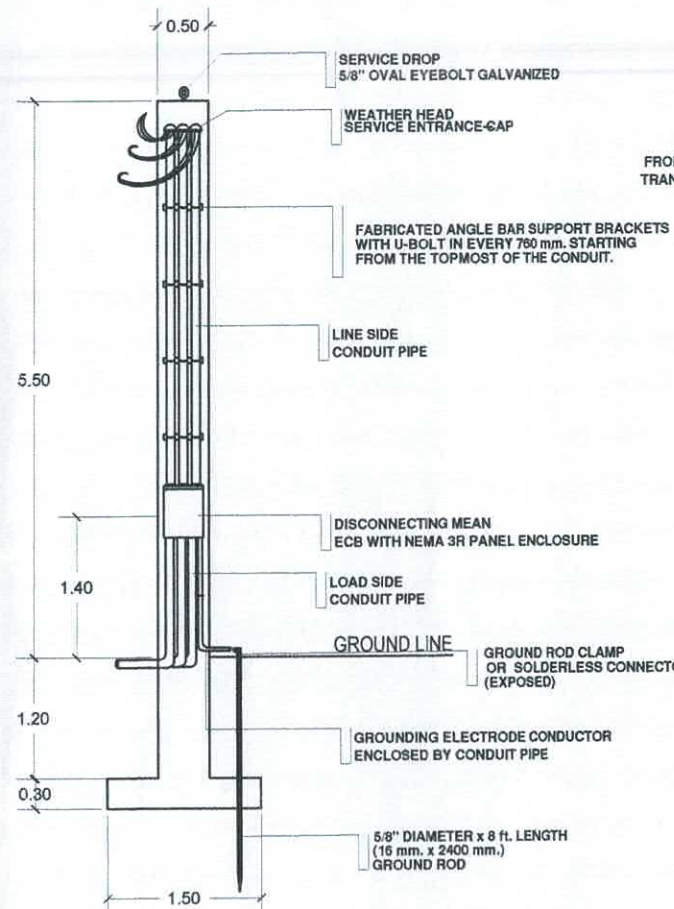


1
E 3
SCALE 1:75

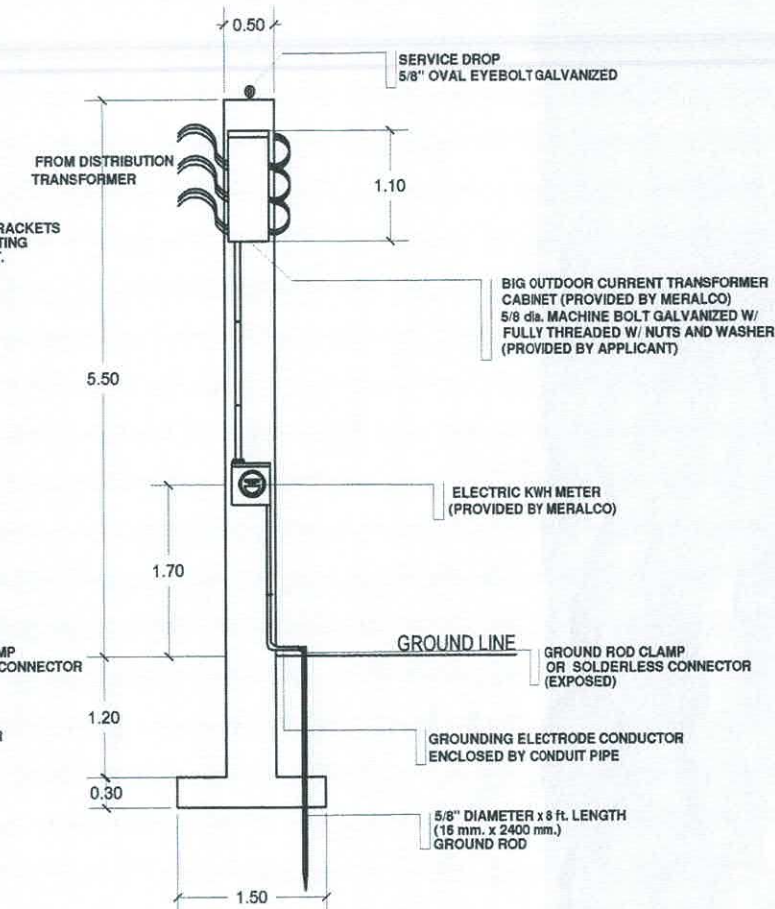


2
E 3
SCALE 1:75

FRONT VIEW



REAR VIEW

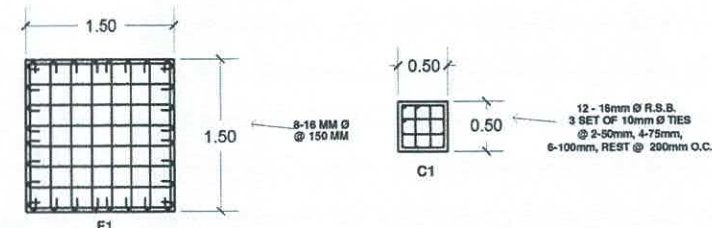


SCHEDULE OF FOOTINGS

NAME	TYPE	THICKNESS	SIZE (LxW)	DEPTH	REINFORCEMENT	
						BOTTOM
						ALONG L
						ALONG W
F1	ISOLATED	300 MM	1500 x 1500 MM	1500 MM	8-16 MM Ø @ 150 MM	8-16 MM Ø @ 150 MM

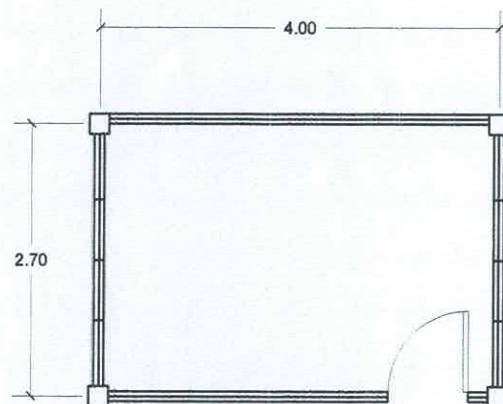
COLUMN	DIMENSION	REINFORCEMENT	NO. OF TIES & SPACING
C1	500 MM X 500 MM	12 - 16mm Ø R.S.B.	3 SET OF 10mm Ø TIES @ 2-50mm, 4-75mm, 6-100mm, REST @ 200mm O.C.

COLUMN DETAILS

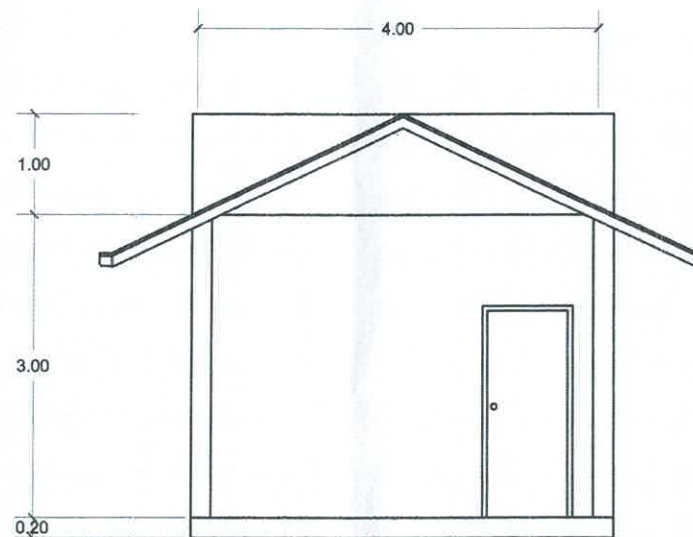


3
E 3
SCALE 1:75

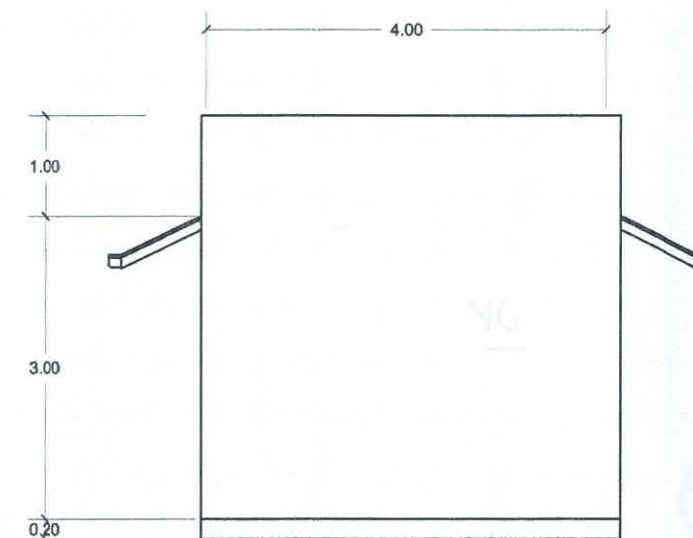
	PREPARED BY:	END USER:	REVIEWED BY:	ENDORSED BY:	REC. APPROVAL:	APPROVED BY:	PROJECT TITLE/ LOCATION:	IMPLEMENTING AGENCY:	SHT NO:
	 R. J. R. SANCHEZ PDU M OYPPD	 J. L. REYES CAMPUS ADMINISTRATOR CVSU	 B. P. PEÑA PROF. ELEC. ENGINEER	 S. B. BAYOT JR. HEAD PDU	 O. B. DELOS REYES DIRECTOR PLANNING AND DEVT. OFFICE	 M. J. D. TEPORA VPPD CVSU	 J. X. B. NEPOMUCENO VPASS CVSU	 H. D. ROBLES PRES CVSU	IMPROVEMENT OF ELECTRICAL POWER SYSTEM OF CVSU SILANG CAMPUS CAVITE STATE UNIVERSITY SILANG CAMPUS



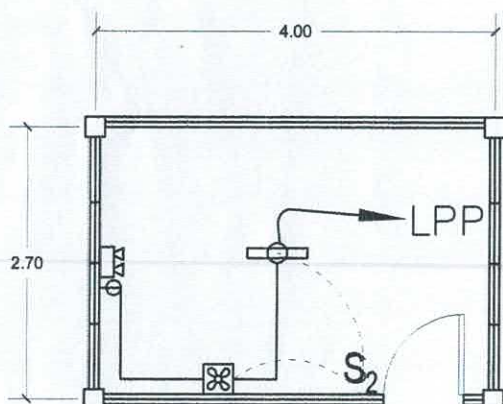
FLOOR PLAN
SCALE 1 : 75 MTS



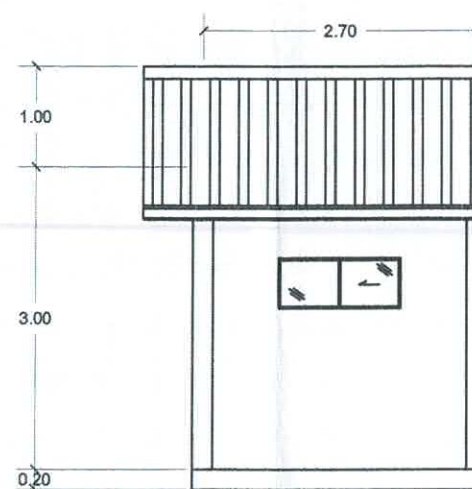
FRONT ELEVATION
SCALE 1 : 75 MTS



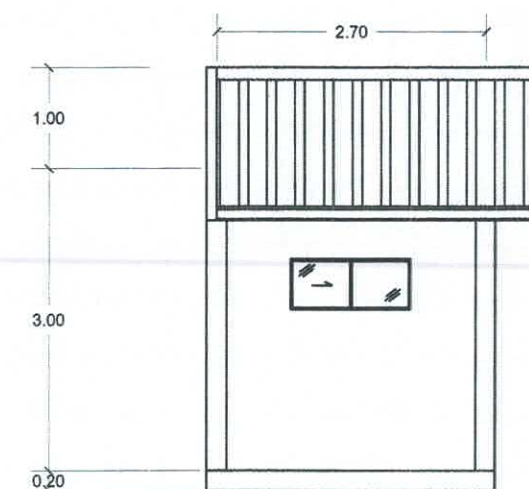
REAR ELEVATION
SCALE 1 : 75 MTS



LIGHTING AND EXHAUST FAN LAYOUT
SCALE 1 : 75 MTS

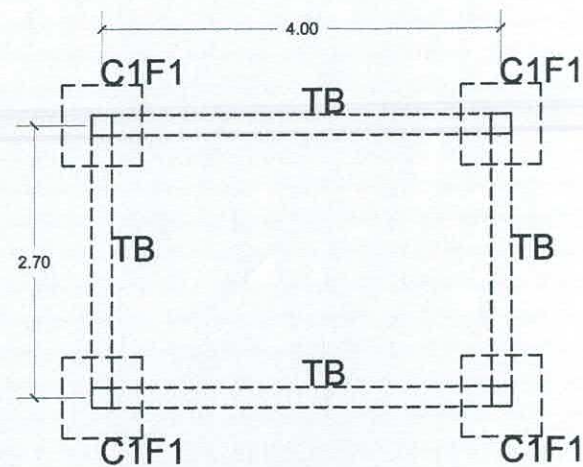


RIGHT SIDE ELEVATION
SCALE 1 : 75 MTS



LEFT SIDE ELEVATION
SCALE 1 : 75 MTS

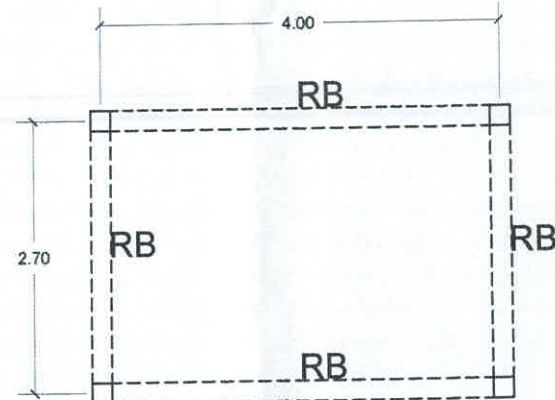
	PREPARED BY: R. J. M. PASCUAL OVPPD	END USER: J. L. REYES CAMPUS ADMINISTRATOR SILANG	REVIEWED BY: E. N. RODEROS JR. ARCHITECT	ENDORSED BY: S. B. BAYOT JR. HEAD	REC. APPROVAL: O. B. DELOS REYES DIRECTOR PLANNING AND DEVT. OFFICE	APPROVED BY: M. J. D. TEPORA VPASS CVSU	APPROVED BY: J. X. B. NEPOMUCENO PRES CVSU	APPROVED BY: H. D. ROBLES PRES CVSU	PROJECT TITLE/ LOCATION: IMPROVEMENT OF ELECTRICAL POWER SYSTEM OF CVSU SILANG CAMPUS CAVITE STATE UNIVERSITY SILANG CAMPUS	IMPLEMENTING AGENCY: CAVITE STATE UNIVERSITY	SHT NO: A - 1
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FOUNDATION PLAN

SCALE

1 : 75 MTS



ROOF BEAM PLAN

SCALE

1 : 75 MTS

SCHEDULE OF COLUMNS

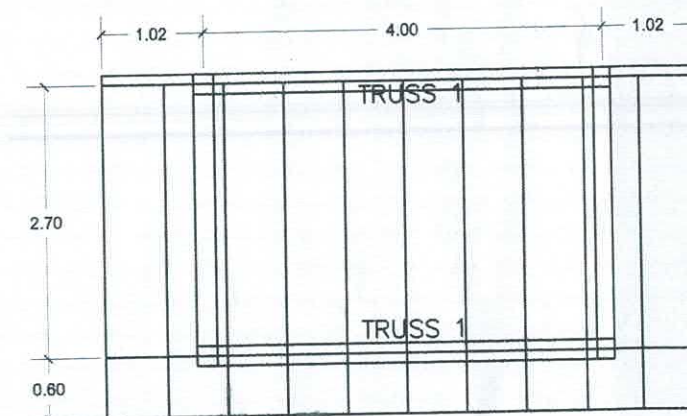
COLUMN	DIMENSION	REINFORCEMENT	NO. OF TIES & SPACING
C1	200 MM X 200 MM	4 - 16mm Ø R.S.B.	2 SETS OF 10mm Ø TIES @ 2-50mm, 4-75mm, 6-100mm, REST @ 200mm O.C.

SCHEDULE OF FOOTINGS

NAME	TYPE	THICKNESS	SIZE (LxW)	DEPTH	REINFORCEMENT			
					TOP		BOTTOM	
					ALONG L	ALONG W	ALONG L	ALONG W
F1	ISOLATED	200 MM	800 x 800 MM	1000 MM	----	----	4-16 MM Ø @ 150 MM	4-16 MM Ø @ 150 MM

SCHEDULE OF BEAMS

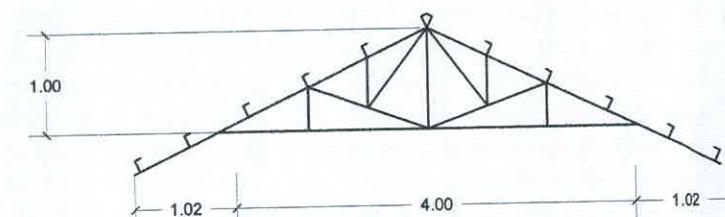
BEAM	DIMENSION	SUPPORT		MID-SPAN		BAR ARRANGEMENT		STIRRUPS REMARKS	ADDT. REMARKS
		TOP	BOTTOM	TOP	BOTTOM	SUPPORT	MID-SPAN		
TB	200mm X 300mm	2-16 MM Ø	2-16 MM Ø	2-16 MM Ø	2-16 MM Ø			10mm Ø STIRRUPS 4 - 50mm, 6 - 75mm, 6 - 100mm REST @ 200mm O.C.	USE 2 - 12mm Ø STIFFENER BARS
RB	200mm X 300mm	2-16 MM Ø	2-16 MM Ø	2-16 MM Ø	2-16 MM Ø			- DO -	- DO -



ROOF FRAMING PLAN

SCALE

1 : 75 MTS



TRUSS 1

NOTE:

- USE THE FOLLOWING:
- 2 - 1.5" X 1.5" X 1/4" THK. ANGULAR BAR FOR TOP CHORDS, BOTTOM CHORDS, & KING POSTS ON TRUSS 1 & LT1
- 2 - 1.5" X 1.5" X 1/4" THK. ANGULAR BAR FOR WEB MEMBERS ON TRUSS 1 & LT1
- 6mm THICK GUSSET PLATES ON ALL JOINTS
- 50mm x 150mm x 1.5mm CEE PURLINS SPACED @ 0.60m O.C.
- 12mm THICK BASE PLATES

TRUSS DETAILS

SCALE

1 : 75 MTS

	PREPARED BY:	END USER:	REVIEWED BY:	ENDORSED BY:	REC. APPROVAL:	APPROVED BY:	PROJECT TITLE/ LOCATION:	IMPLEMENTING AGENCY:	SHT NO:
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