GENERAL NOTES :

- 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. THE ELECTRICAL WORKS SHALL BE UNDER THE IMMEDIATE SUPERVISION OF A DULY LICENSED ELECTRICAL ENGINEER OR MASTER ELECTRICIAN AUTHORIZED FOR EACH GRADE.
- 4. THE MINIMUM SIZE OF WIRE SHALL BE NUMBER 2.0mmø COPPER, THHN TYPE UNLESS OTHERWISE NOTED.
- 5. WIRING METHOD SHALL BE RSC/PVC FOR ALL BRANCH CIRCUITS AND FOR SERVICE ENTRANCE.
- 6. PROPER GROUNDING OR ELECTRICAL EQUIPMENT SHALL BE IN ACCORDANCE WITH THE PHILIPPINE ELECTRICAL CODE.
- 7. FIELD VERIFICATION SHALL BE DONE BY THE CONTRACTOR ANY DISCRIPANCIES OR CHANGES SHALL BE PROMPTLY NOTIFIED TO THE OWNER'S REPRESENTATIVE OR DESIGNER.
- 8. TYPE OF LIGHTING FIXTURE SHALL BE SUBMITTED TO THE ENGINEER OR ARCHITECT FOR APPROVAL..
 MCUNTING HEIGHT
- 9. REQUEST FOR TEMPORARY POWER INTERRUPTION SHOULD BE COORDINATED TO OWNER'S REPRESENTATIVE OR DESIGNER..

ENDORSED BY:

CVSU-TRECE DIRECTOR PLANNING OFFICE

O. B. DELOS REYES

Μ.

VPPD

TEPORA:

CVSU

VPASS.

- 10. PROVIDE CABLE/ WIRE GUTTER BELOW AND ABOVE THE PANEL BOARDS INSIDE ALL THE ELECTRICAL ROOM.
- 11. ALL ELECTRICAL CONDUITS AND TELEPHONE SERVICE ENTRANCE THAT INSTALLED BELOW THE GROUND SHALL BE IN CONCRETE ENCASEMENT.
- 12. PROVIDE SIGNAGE "ELECTRICAL ROOM" POSTED TO ALL ELECTRICAL ROOM DOORS.

PREPARED BY:

PPU

SANGUEZ

OVPPD

CEIT

END USER:

DEAN

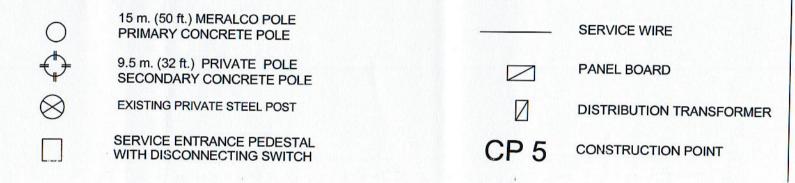
N.

SEDIGO

PROE ELECTRICAL ENGR. :

- 13. REFER TO LOAD SCHEDULE AND SINGLE LINE DIAGRAM FOR THE RATING OF INDIVIDUAL ENCL, ACB'S IN NEMA-3R.
- 14. 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.
- 15. ANY DEVICES OR EQUIPMENT NOT REFLECTED OR SHOWN ON PLANS BUT REQUIRED TO COMPLETE THE SYSTEM MUST BE INCLUDED ON SCOPE OF WORK.

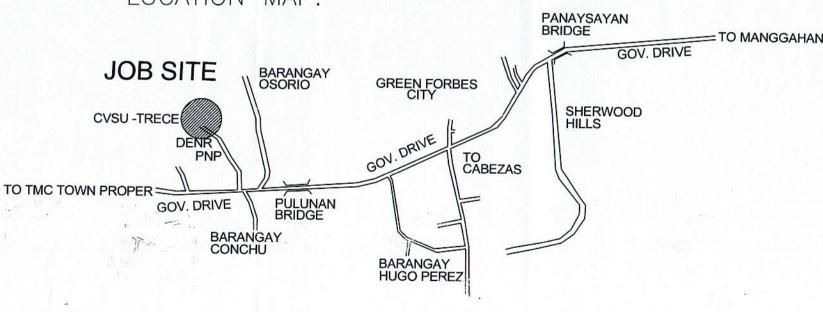
LEGEND AND SYMBOLS :



LOCATION MAP:

POLINGA

--- CVSU



. ROBLES

PRES

PROJECT TITLE / LOCATION:

CAVITE STATE UNIVERSITY - TRECE CAMPUS

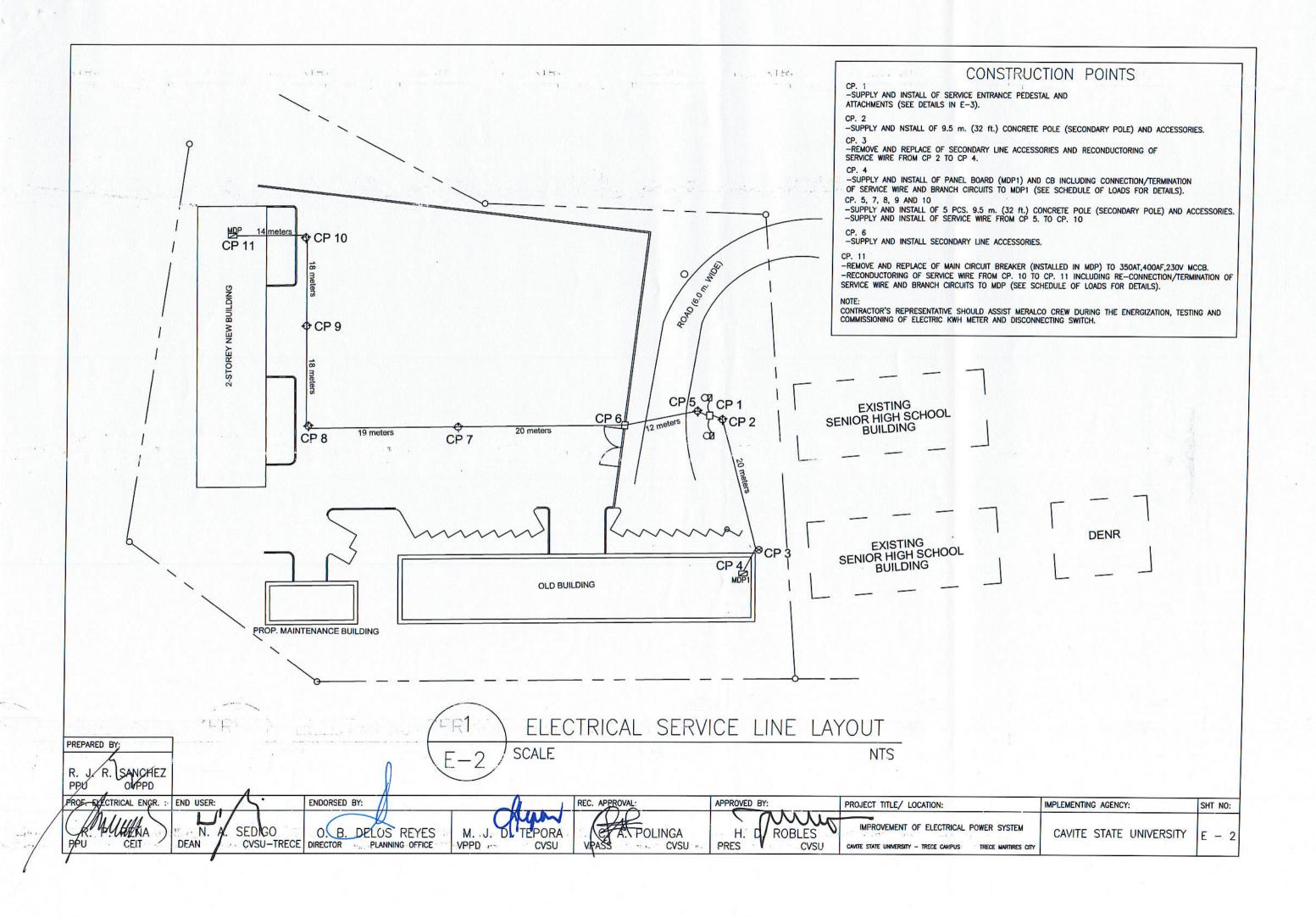
MPROVEMENT OF ELECTRICAL POWER SYSTEM

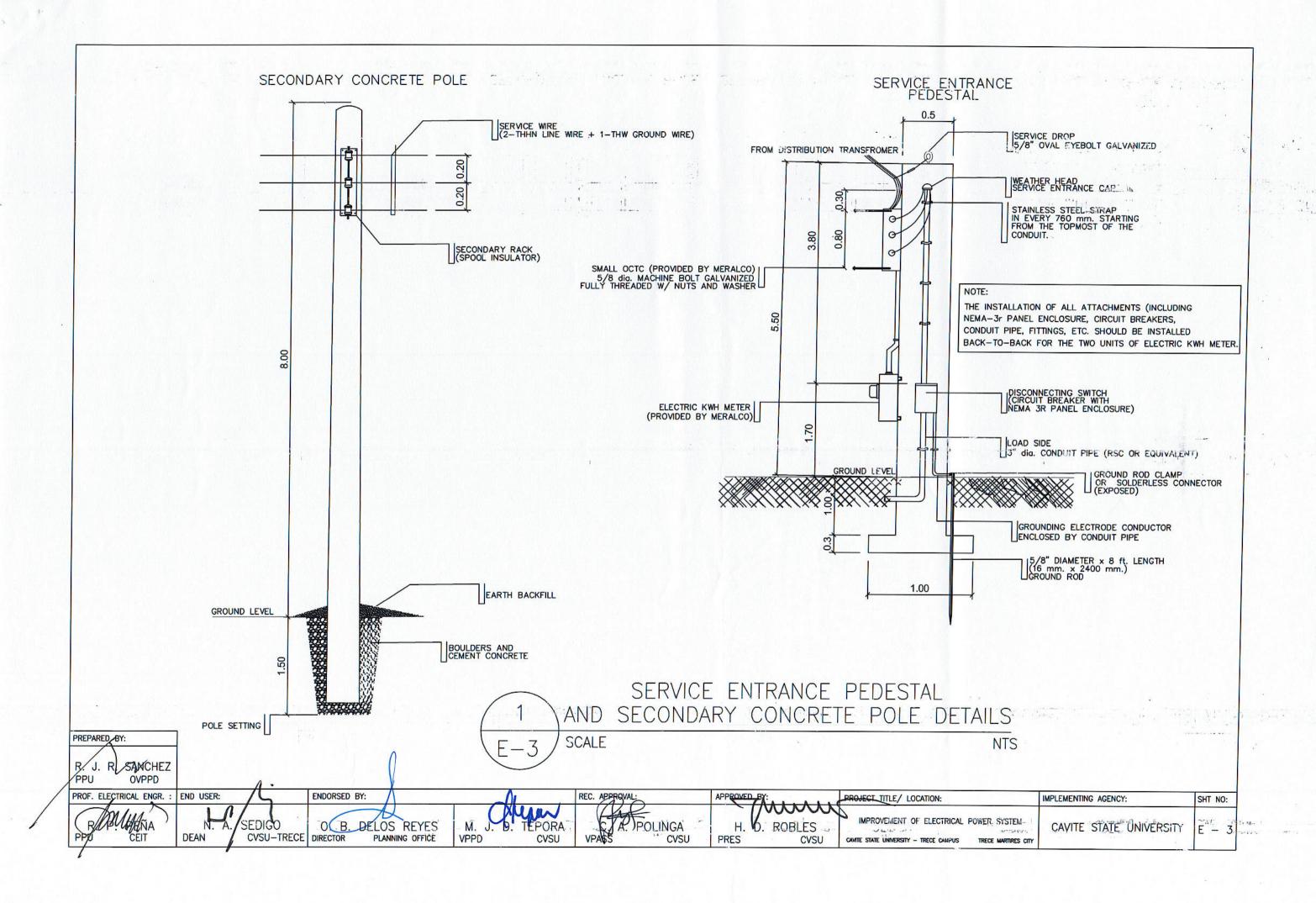
IMPLEMENTING AGENCY:

CAVITE STATE UNIVERSITY

SHT NO:

E - 1





SCHEDULE OF LOADS

OLD BUILDING

PHASE:	MDP1	CABLE: 2 - 150.0 SQMM THHN + 1 - 30.0 SQMM THW CONDUIT: RSC, 50 MM DIA.					MAIN: 300 AT, 400 AF, 2P, 230V, 25 KAIC, MCI ENCLOSURE: NEMA 1 MOUNTING: SURFACE						
VOLTS:	230	LOCATION: OLD BUILDING GROUND FLOOR						THE ROLL STREET, AS INCOME.					
CKT NO.	PANEL CODE	CIRCUIT DESCRIPTION	LOAD IN RATING			CIRCUIT PROTECTION	Size of Conductor			Size Of			
			Volt- Amp	VOLT	AMPERES	a call-	THHN		THW	Conduit In MM ø	Color Code		
1	DP1	DISTRIBUTION PANEL 1	45800	230	. 268.70	250 AT, 300 AF, 2P, 230V, 20 KAIC	2 - 100.0	+	G 30.0	RSC, 50	1R,1B,G		
2	ACP1	ACU PANEL 1	11190	230	85.00	150 AT, 200 AF, 2P, 230V, 20 KAIC	2 - 30.0	+	G 8.0	PVC, 32	1R,1B,G		
3	TELE III	SPARE					Z HEW MUNICIPAL STREET	+					
4		SPARE						+					
700 TV		TOTAL	56990	230	353.70	300 AT, 400 AF, 2P, 230V, 25 KAIC	2 - 150.0	+	G 30.0	RSC, 50	10.10.0		
10000000		TOTAL	00000	200	000.70	300 71, 400 74 , 21 , 230 9, 23 10 40	2 - 100.0	+	G 30.0	130,00	1R,1B,G		
		MAIN FEEDER and CURRENT PROTE	ECTION COMPUTATI					T	6 30.0	100,00	TR,TB,G		
NOTE:					(353.70 x DF) =	282.96	Amperes	T	30.0	100,00	TR,TB,G		
NOTE:			ECTION COMPUTATI					T	G 30.0	K30,30	18,18,6		
NOTE:			ECTION COMPUTATION I_{FL}		(353.70 x DF) =	282.96	Amperes	T	G 30.0	130,30	18,18,6		
NOTE:		MAIN FEEDER and CURRENT PROTE	ECTION COMPUTATION I_{FL-} I_{CB} =	ON:	(353.70 x DF) = (353.70 x DF) =	282.96	Amperes	T	030.0	1130,30	18,18,6		
NOTE:		MAIN FEEDER and CURRENT PROTI G - Means Ground Wire	ECTION COMPUTATION I_{FL-} $I_{CB} =$ use: 2 - 150.	ON: O SQMM	(353.70 x DF) = (353.70 x DF) =	282.96 282.96 QMM THW IN 50 MM DIA. RSC	Amperes	T	30.0	1130,30	18,15,5		

NEW BUILDING

PANEL :	1	CABLE: 2 - 200.0 SQMM THHN + 1 - 50.0 SQMM THW CONDUIT: RSC, 80 MM DIA.						MAIN: 350 AT, 400 AF, 2P, 230V, 20 (AIC, MO ENCLOSURE: NEMA 1 MOUNTING: SURFACE					
CKT NO.	230	LOCATION: BUILDING 2 (NEW BUILDING)						2,00					
	PANEL CODE	CIRCUIT DESCRIPTION	Volt- Amp	VOLT	RATING AMPERES	CIRCUIT PROTECTION	Size of Conductor			Size Of Conduit In MM ø	Color Code		
1	LP1	LIGHTING PANEL 1	7980	230	34.70	70 AT, 2P, 230V, 10 KAIC	2-8.0	+	G 5.5	RSC, 20	1R,1B,G		
2	LP2	LIGHTING PANEL 2	37560	230	163.30	175 AT, 2P, 230V, 20 KAIC	2 - 50.0	+	G 30.0	RSC, 50	1R,1B,G		
3	LP3	LIGHTING PANEL 3	37560	230	163.30	175 AT, 2P, 230V, 20 KAIC	2 - 50.0	+	G 30.0	RSC, 50	1R,1B,G		
4	COP1	CONVENIENCE OUTLET PANEL 1	12600	230	54.78	60 AT, 2P, 230V, 20 KAIC	2 - 14.0	+	G 8.0	PVC, 25	1R,1B,G		
5	1 (6) 110	SPARE			ON PARTY OF		VI 115 115		Part of	The state of	11910,0		
6		SPARE						D W					
		TOTAL	95700	230	416.09	350 AT, 400 AF, 2P, 230V, 20 KAIC	2 - 200.0	+	G 50.0	RSC, 80	1R,1B,G		
NOTE:		MAIN FEEDER and CURRENT PROTEC G - Means Ground Wire	TION COMPUTATION $I_{FL}=I_{CB}=I_{CB}$	ON:	(416.09 x DF) = (416.09 x DF) =	332.872 332.872	Amperes Amperes						
		1R- Color RED 1B- Color BLACK 1G- Color GREEN	use: 2 - 200.0 SQMM THHN + 1 - 50.0 SQMM THW IN 80 MM DIA. RSC use: 350 AT, 400 AF, 2P, 230V, 20 KAIC, MCCB										
		sign is good only for the abovectrical load connection in the				Carlot and							

IMPLEMENTING AGENCY:

CAVITE STATE UNIVERSITY F -

SHT NO:

ENDORSED BY:

SEDISO

CVSU-TRECE DIRECTOR PLANNING OFFICE

