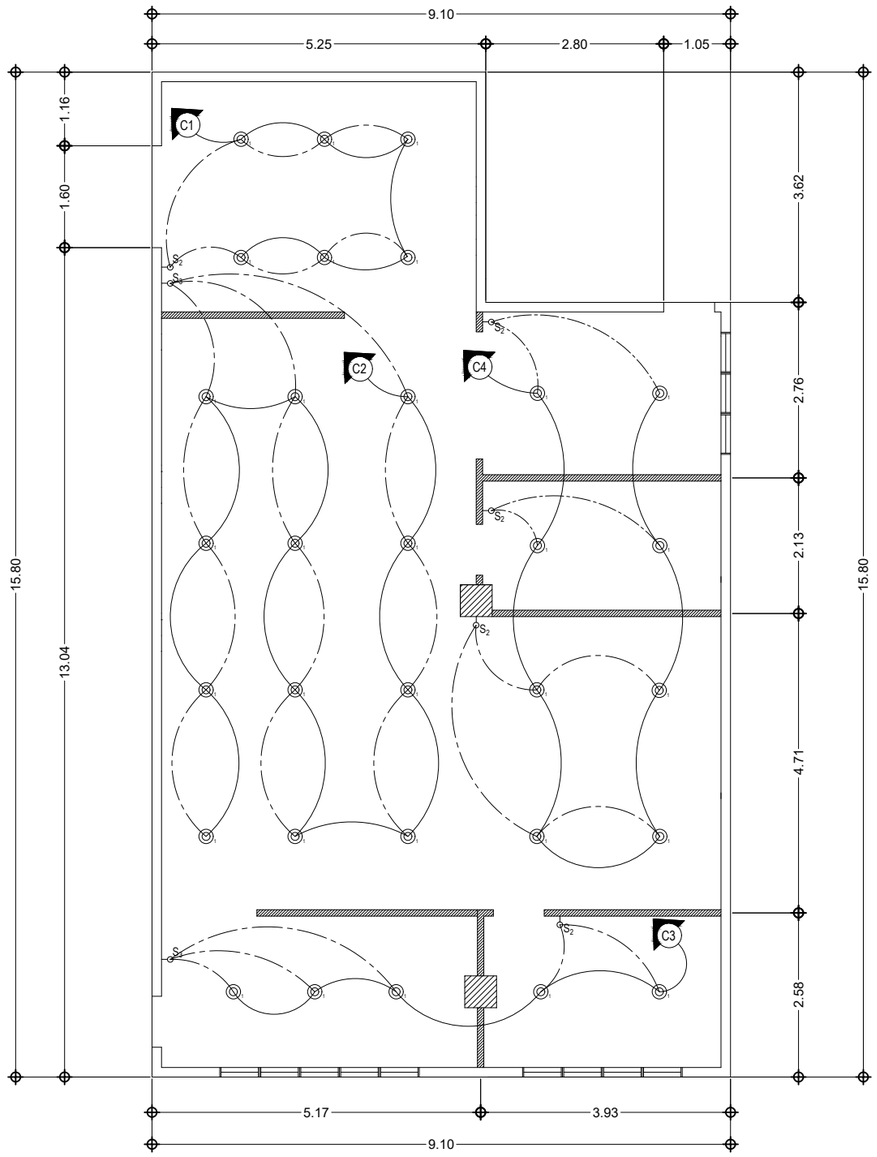
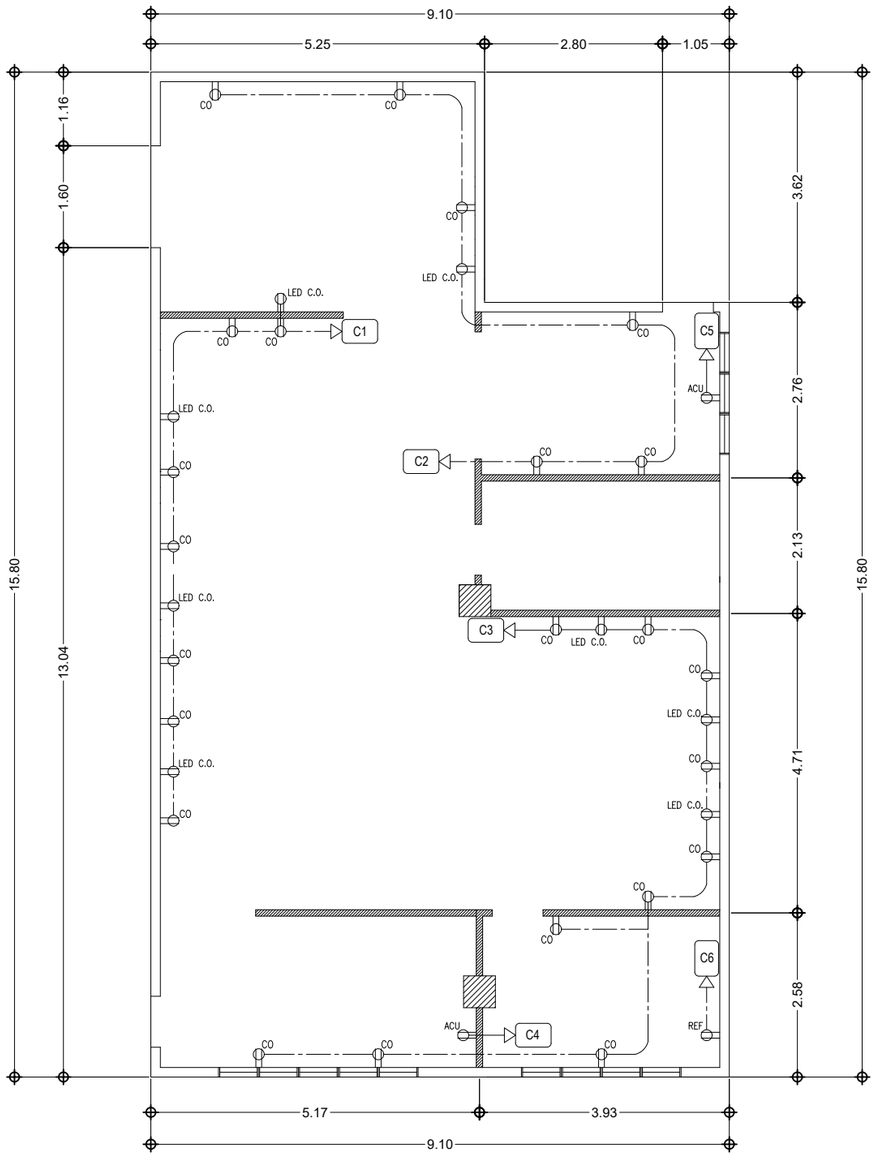
LEGEND & SYMBOLS

- 18 WATTS LED (RECESSED MOUNTED) CIRCULAR DOWNLIGHT (DAYLIGHT)
- S_2 2-GANG LIGHT SWITCH
- S_3 3-GANG LIGHT SWITCH
- CO DUPLEX CONVENIECE OUTLET
- LED C.O. LED TV CONVENIECE OUTLET
- ACU AIRCONDITIONING UNIT OUTLET
- REF REFRIGERATOR CONVENIENCE OUTLET
- C1 CIRCUT NUMBER AND HOMERUN



A E-01 **LIGHTING LAYOUT PLAN**

SCALE 1 : 20 M.



B E-01 **POWER LAYOUT PLAN**

SCALE 1 : 20 M.

SOUTHERN LEYTE STATE UNIVERSITY
MAIN CAMPUS
San Roque, Sogod, Southern Leyte
Contact No.: 0998-868-5334
Email: president@southernleytestate.edu.ph
Website: www.southernleytestate.edu.ph
Excellence | Service | Leadership and Good Governance | Innovation | Social Responsibility | Integrity | Professionalism | Spirituality

PREPARED BY :	REVIEWED BY :	PROJECT :	OWNER :	APPROVED AS PER PLAN :	SHEET CONTENT	SHEET NO.
AR. JEAMES PAUL EVANGELISTA, UAP ARCHITECT I	ENGR. RYAN A. MACUTO, GREEEN ADP+AA LUDIP Head Designate	RENOVATION AND RECONFIGURATION OF UISA OFFICE IN ADMIN BUILDING WITH PROVISIONS FOR SMART OFFICE LOCATION: SLSU-MAIN CAMPUS, SAN ROQUE, SOGOD SOUTHERN LEYTE	SOUTHERN LEYTE STATE UNIVERSITY ADDRESS: SOGOD, SOUTHERN LEYTE	JUDE A. DUARTE, DPA UNIVERSITY PRESIDENT	AS SHOWN CHECKED : DRAWN : SCALE APPROVED : DATE : AS SHOWN @ 20x30	E-01 PROJ. NO.

SCHEDULE OF LOADS

SCHEDULE OF LOADS (LP)

CKT. NO.	DESCRIPTION	POWER(WATTS)	VOLTS	LOAD(AMPERES)			OCPD	CONDUCTOR	CONDUIT
				∅AB	∅BC	∅CA			
1	L.O.(4 LED)	400	220	1.81			15 AT, 50 AF, 2P	2 - 3.5 mm. sq. THHN	13 mm dia. PVC
2	L.O.(12 LED)	1200	220		5.45		15 AT, 50 AF, 2P	2 - 3.5 mm. sq. THHN	13 mm dia. PVC
3	L.O.(5 LED)	500	220			2.27	15 AT, 50 AF, 2P	2 - 3.5 mm. sq. THHN	13 mm dia. PVC
4	L.O.(8 LED)	800	220	3.63			15 AT, 50 AF, 2P	2 - 3.5 mm. sq. THHN	13 mm dia. PVC
5	SPARE								
6	SPARE								
			TOTAL	5.44A	5.45A	2.27A			

DEMMAND FACTOR 80% AND GROWTH FACTOR 125%

Line Current = 1.732 x 5.45
Line Current = 9.43 A

MAIN PROTECTION	75 AT, 100 AF, 3P
INCOMING FEEDER	3-14mm.sq. THHN +8.0mm.sq.TW(G)
CONDUIT	40mm dia. PVC

SCHEDULE OF LOADS (PP)

CKT. NO.	DESCRIPTION	POWER(WATTS)	VOLTS	LOAD(AMPERES)			OCPD	CONDUCTOR	CONDUIT
				∅AB	∅BC	∅CA			
1	C.O. (11)	2200	220	10.00			20 AT, 50 AF, 2P	2-5.5mm.sq.THHN+2.0mm.sq.TW(G)	20 mm dia. PVC
2	C.O. (7)	1400	220		6.36		20 AT, 50 AF, 2P	2-5.5mm.sq.THHN+2.0mm.sq.TW(G)	20 mm dia. PVC
3	C.O. (13)	2600	220			11.81	20 AT, 50 AF, 2P	2-5.5mm.sq.THHN+2.0mm.sq.TW(G)	20 mm dia. PVC
4	ACU C.O.	1500	220	6.81			20 AT, 50 AF, 2P	2-5.5mm.sq.THHN+2.0mm.sq.TW(G)	20 mm dia. PVC
5	ACU C.O.	1500	220		6.81		20 AT, 50 AF, 2P	2-5.5mm.sq.THHN+2.0mm.sq.TW(G)	20 mm dia. PVC
6	REF C.O.	1500	220			6.81	20 AT, 50 AF, 2P	2-5.5mm.sq.THHN+2.0mm.sq.TW(G)	20 mm dia. PVC
7	SPARE								
8	SPARE								
			TOTAL	16.81A	13.17A	18.62A			

DEMMAND FACTOR 80% AND GROWTH FACTOR 125%

Line Current = 1.732 x 16.81
Line Current = 29.11 A

MAIN PROTECTION	125 AT, 225 AF, 3P
INCOMING FEEDER	3-30mm.sq. THHN +8.0mm.sq.TW(G)
CONDUIT	40mm dia. PVC

SCHEDULE OF LOADS (DP)

CKT. NO.	DESCRIPTION	POWER(WATTS)	VOLTS	∅AB	∅BC	∅CA	OCPD	CONDUCTOR	CONDUIT
1	L.P.		220	5.44A	5.45A	2.27A	75 AT, 100 AF, 3P	3-14mm.sq. THHN +8.0mm.sq.TW(G)	40mm dia. PVC
2	P.P.		220	16.81A	13.17A	18.62A	125 AT, 225 AF, 3P	3-30mm.sq. THHN +8.0mm.sq.TW(G)	40mm dia. PVC
3	SPARE		220	20A	20A	20A			
4	SPARE		220	20A	20A	20A			
			TOTAL	62.25A	58.62A	60.89A			

DEMMAND FACTOR 75% AND GROWTH FACTOR 100%

Line Current = 1.732 x 62.25
Line Current = 107.81 A

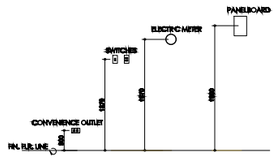
MAIN PROTECTION	600 AT, 630 AF, 3P, 60Hz, 85 kAIC,MCCB
INCOMING FEEDER	3-200mm.sq. THHN +30mm.sq.TW(G)
CONDUIT	80mm dia. RSC

SOUTHERN LEYTE STATE UNIVERSITY
MAIN CAMPUS
San Roque, Sogod, Southern Leyte
Contact No.: 0998-868-5334
Email: president@southernleytestates.edu.ph
Website: www.southernleytestates.edu.ph
Excellence | Service | Leadership and Good Governance | Innovation | Social Responsibility | Integrity | Professionalism | Spirituality

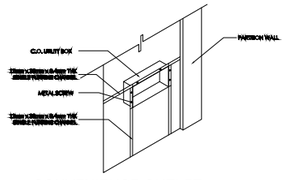
PREPARED BY :	REVIEWED BY :	PROJECT :	OWNER :	APPROVED AS PER PLAN :	SHEET CONTENT / SHEET NO.
AR. JEAMES PAUL EVANGELISTA, UAP ARCHITECT I	ENGR. RYAN A. MACUTO, GREEEN ADP+AA LUDIP Head Designate	RENOVATION AND RECONFIGURATION OF UISA OFFICE IN ADMIN BUILDING WITH PROVISIONS FOR SMART OFFICE LOCATION: SLSU-MAIN CAMPUS, SAN ROQUE, SOGOD SOUTHERN LEYTE	SOUTHERN LEYTE STATE UNIVERSITY ADDRESS: SOGOD, SOUTHERN LEYTE	JUDE A. DUARTE, DPA UNIVERSITY PRESIDENT	AS SHOWN / E-02 CHECKED : / DRAWN : / SCALE: AS SHOWN @ 20x30 APPROVED : / DATE : / PROJ. NO.

GENERAL NOTES

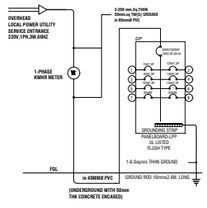
1. ALL ELECTRICAL WORKS AND INSTALLATION HEREIN, SHALL BE DONE IN ACCORDANCE WITH THE PROVISION OF THE LATEST EDITION OF THE PHILIPPINE ELECTRICAL CODE, REQUIREMENTS OF THE LOCAL POWER COMPANY, RULES AND REGULATIONS OF THE LOCAL ENFORCING AUTHORITIES.
2. ALL ELECTRICAL WORKS HEREIN SHALL BE EXECUTE BY EXPERIENCED MEN UNDER THE DIRECT SUPERVISION OF DULY REGISTERED MASTER ELECTRICIAN OR ELECTRICAL ENGINER.
3. THE CONTRACTOR SHALL VERIFY AND ORIENT THE ACTUAL LOCATION OF SERVICE ENTRANCE FOR CONNECTION TO POWER SUPPLY.
4. THE TYPE OF POWER TO BE SUPPLIED SHALL BE, 220VAC, SINGLE PHASE, TWO WIRE PLUS GROUND, 60 HERTZ.
5. UNLESS OTHERWISE SPECIFIED, THE MINIMUM SIZE OF WIRE SHALL BE 3.5 SQMM THHN/THWN AND THE CONDUIT SHALL BE 15 mmØ RSC AND 20 mmØ uPVC.
6. ALL MATERIALS TO BE USED SHALL BE NEW AND OF THE APPROVED TYPE FOR THE LOCATION AND PURPOSE.
7. UNLESS OTHERWISE INDICATE ON THE DRAWING, POLYVINYL CHLORIDE (PVC) CONDUIT SHALL BE USED FOR EMBEDDED WIRING AND RIGID STEEL CONDUIT (RSC) FOR EXPOSED WIRING.
8. ALL WIRE SHALL BE COPPER AND THERMOPLASTIC INSULATED TYPE "THHN/THWN" UNLESS OTHERWISE INDICATED IN THE PLANS. THE MINIMUM SIZE FOR POWER AND LIGHTING SHALL BE 3.5sqmm AND SHALL BE MANUFACTURED BY PHELPS DODGE OR DURAFLEX OR WITH ISO CERTIFICATES.
9. ALL CIRCUIT BOXES SHALL BE GALVANIZED GAGE NO. 16, DEEP TYPE WITH FACTORY KNOCKOUTS .
10. THE CIRCUIT BREAKERS SHALL BE WITH ISO CERTIFICATESAND SHALL BE BOLT-ON TYPE WITH UL LISTED ENCLUSURE.
11. ALL MOUNTING HEIGHTS ARE SUBJECT TO ENGINEER'S APPROVAL PRIOR TO INSTALLATION.
12. PROVIDE GROUND FAULT CIRCUIT INTERRUPTER (GFCI) FOR ALL CONVENIENCE OUTLET LOCATED IN THE LAUNDRY AREA OR IN OUTDOOR USE AS WELL AS IN THE LAVATORY COUNTER AREA.
13. CONDUCT INSULATION RESISTANCE TEST PRIOR FOR TERMINATION OF DEVICES AS WELL AS OTHER NECESSARY ELECTRICAL TESTING STANDARDS.
14. SWITCHES SHALL BE FLUSH MOUNTED AND LOCATED 200mm FROM THE EDGE OF THE DOOR JAMP TO THE CENTER OF THE SWITCH OR 150mm FROM THE EDGE OF THE DOOR JAMP TO THE EDGE OF THE SWITCH.
15. NO REVISION IN THE DESIGN SHALL BE DONE WITHOUT PRIOR KNOWLEDGE AND APPROVAL OF THE DESIGNER.
16. CONTRACTOR WILL PROVIDE THE OWNER WITH TWO(2) SETS OF AS-BUILT PLANS WITH E-FILE AND DULY SIGNED BY THEIR REGISTERED LICENSED ELECTRICAL ENGINEER.



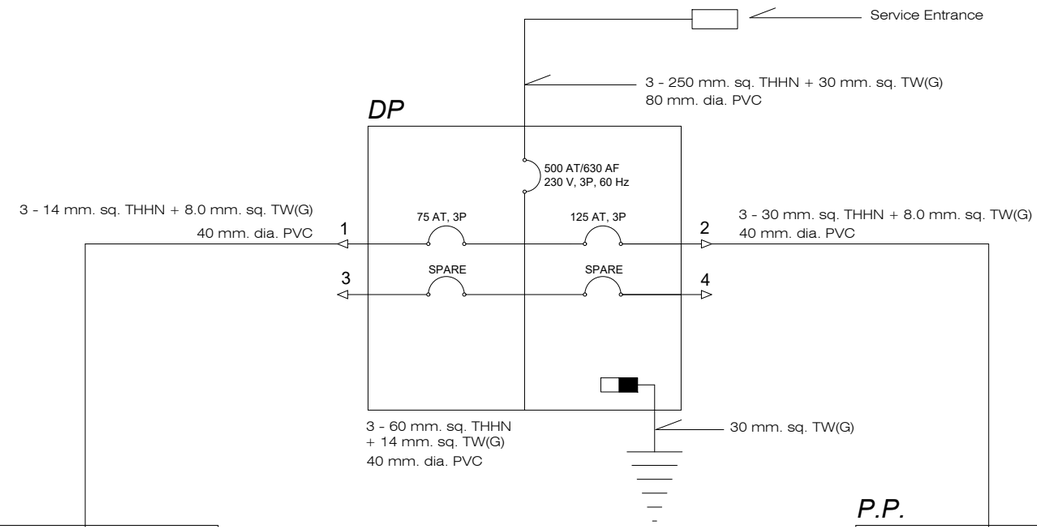
MOUNTING HEIGHT DETAIL



CONVENIENCE OUTLET
TO PARTITION WALL DETAIL

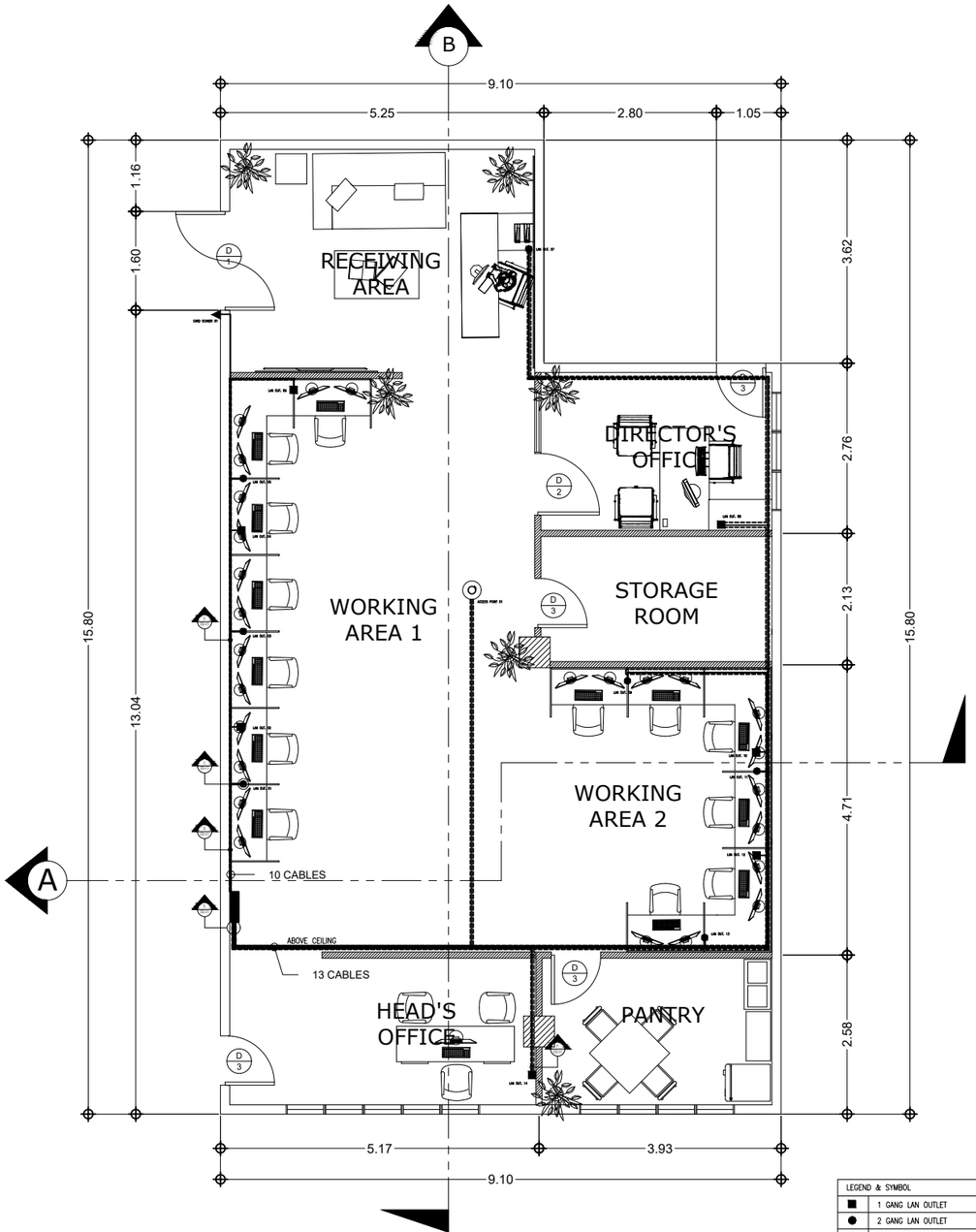


A E-03 **RISER DIAGRAM**
SCALE N T S.



B E-03 **POWER SINGLE LINE DIAGRAM**
SCALE N T S.

SOUTHERN LEYTE STATE UNIVERSITY MAIN CAMPUS San Roque, Sogod, Southern Leyte Contact No.: 0998-868-5334 Email: president@southernleytestates.edu.ph Website: www.southernleytestates.edu.ph Excellence | Service | Leadership and Good Governance | Innovation | Social Responsibility | Integrity | Professionalism | Spirituality	PREPARED BY : AR. JEAMES PAUL EVANGELISTA, UAP ARCHITECT I	REVIEWED BY : ENGR. RYAN A. MACUTO, GREEEN ADP+AA LUDIP Head Designate	PROJECT : RENOVATION AND RECONFIGURATION OF UISA OFFICE IN ADMIN BUILDING WITH PROVISIONS FOR SMART OFFICE LOCATION: SLSU-MAIN CAMPUS, SAN ROQUE, SOGOD SOUTHERN LEYTE	OWNER : SOUTHERN LEYTE STATE UNIVERSITY ADDRESS: SOGOD, SOUTHERN LEYTE	APPROVED AS PER PLAN : JUDE A. DUARTE, DPA UNIVERSITY PRESIDENT	SHEET CONTENT AS SHOWN CHECKED : DRAWN : SCALE APPROVED : DATE : AS SHOWN @ 20x30	SHEET NO. E-03 PROJ. NO.

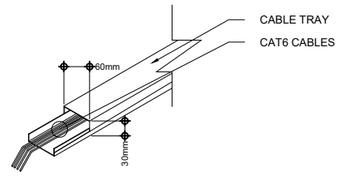


A EE-01 SCALE

CAT5 CABLING LAYOUT PLAN

1 : 20 M.

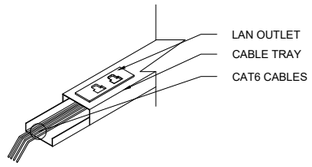
LEGEND & SYMBOL		QTY.
■	1 GANG LAN OUTLET	07
●	2 GANG LAN OUTLET	07
▬	PoE CABINET	01
┈┈	CABLE PVC	87 m
┈┈	CABLE TRAY (PLAIN)	21 m
◎	ACCESS POINT	01
——	CAT6 CABLE	528 m
▲	CARD SCANER	01



B EE-01 SCALE

CABLE TRAY DETAILS

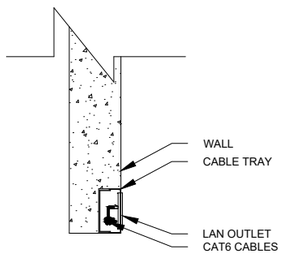
NTS.



C EE-01 SCALE

LAN OULET MOUNTING DETAIL

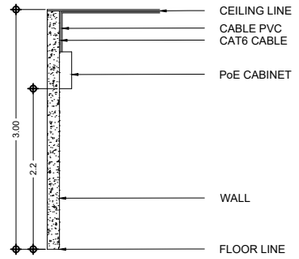
NTS.



D EE-01 SCALE

CABLE TRAY MOUNTING DETAIL

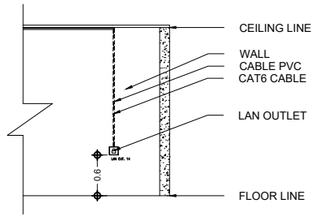
NTS.



E EE-01 SCALE

CABLE PVC DETAILS

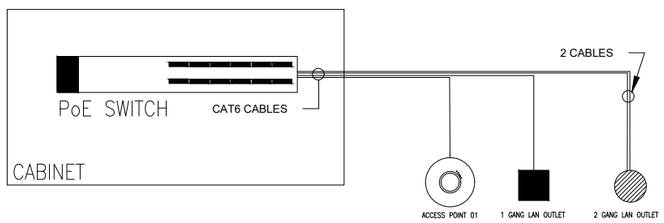
NTS.



F EE-01 SCALE

CABLE DROP DETAILS

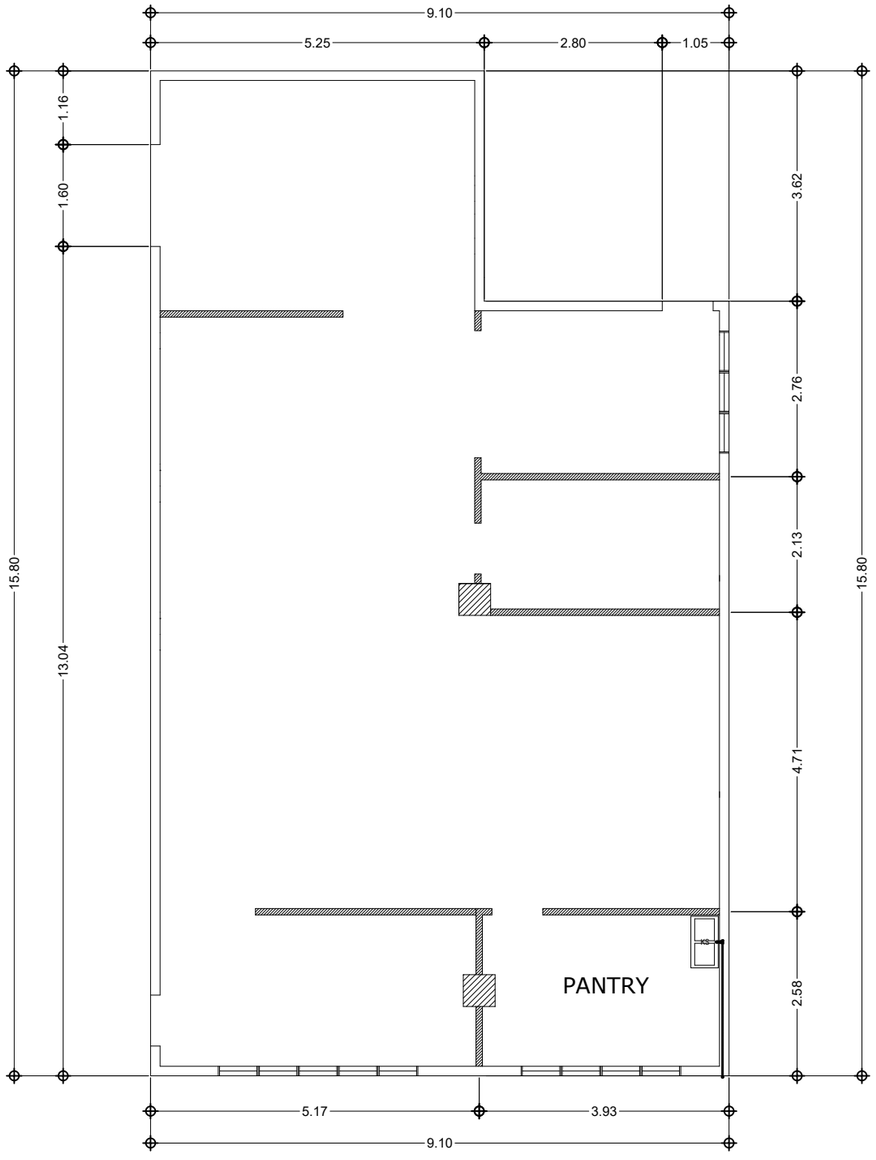
NTS.



SCHEMATIC DIAGRAM

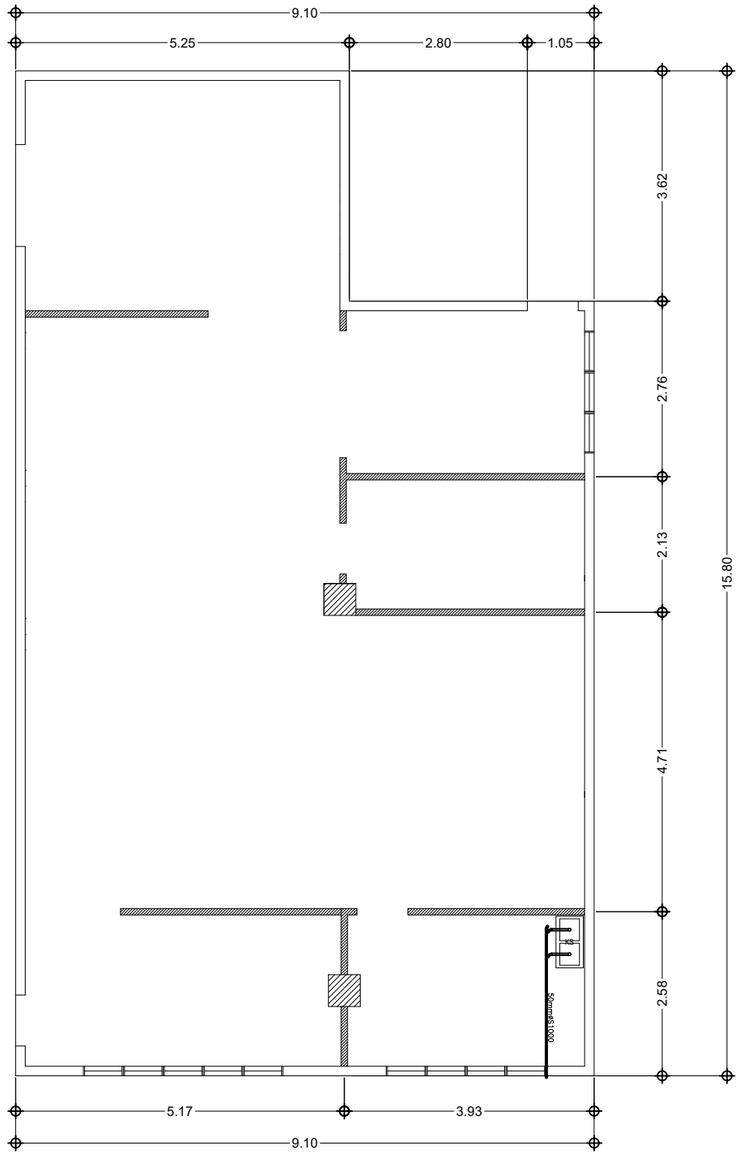
SOUTHERN LEYTE STATE UNIVERSITY
MAIN CAMPUS
San Roque, Sogod, Southern Leyte
Contact No.: 0998-868-5334
Email: president@southernleytestates.edu.ph
Website: www.southernleytestates.edu.ph
Excellence | Service | Leadership and Good Governance | Innovation | Social Responsibility | Integrity | Professionalism | Spirituality

PREPARED BY :	REVIEWED BY :	PROJECT :	OWNER :	APPROVED AS PER PLAN :	SHEET CONTENT	SHEET NO.
AR. JEAMES PAUL EVANGELISTA, UAP ARCHITECT I	ENGR. RYAN A. MACUTO, GREEEN ADP+AA LUDIP Head Designate	RENOVATION AND RECONFIGURATION OF UISA OFFICE IN ADMIN BUILDING WITH PROVISIONS FOR SMART OFFICE LOCATION: SLSU-MAIN CAMPUS, SAN ROQUE, SOGOD SOUTHERN LEYTE	SOUTHERN LEYTE STATE UNIVERSITY ADDRESS: SOGOD, SOUTHERN LEYTE	JUDE A. DUARTE, DPA UNIVERSITY PRESIDENT	AS SHOWN CHECKED : / DRAWN : / SCALE APPROVED : / DATE : / AS SHOWN @ 20x30	EE-01 PROJ. NO.



A P-01 WATER SUPPLY LAYOUT PLAN

SCALE 1 : 20 M.



B P-01 SANITARY LAYOUT PLAN

SCALE 1 : 20 M.

GENERAL NOTES :

1. ALL PLUMBING WORKS HEREIN SHALL BE EXECUTED ACCCORDING TO THE PROVISIONS OF THE PHILIPPINE NATIONAL CODE, THE NATIONAL BUILDING CODE AND THE RULES AND REGULATIONS OF THE MUNICIPALITY.
2. COORDINATE THE DRAWINGS WITH OTHER RELATED DRAWINGS AND SPECIFICATIONS.
3. ALL PIPES SHOULD BE INSTALLED AS INDICATED, ANY RELOCATION REQUIRED FOR PROPER EXECUTION OF OTHER TRADES SHALL BE WITH PRIOR APPROVAL OF THE ARCHITECT OR ENGINEER.
4. PROPOSED PLUMBING UTILITIES SHALL CONFORM TO THE ACTUAL LOCATION DEPTH AND ELEVATIONS OF ALL EXISTING PIPES AND STRUCTURES AS VERIFIED BY THE CONTRACTOR.
5. THE PLUMBING CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES AT THE SITE AND COORDINATE THE WORKS WITH THE SEWER LINE EFFLUENT DISPOSAL POINT AND WATER LINE SERVICE CONNECTING POINT.
6. ALL SLOPES FOR HORIZONTAL DRAINAGE AND SEWER LINE SHALL BE MAINTAINED AT 1% MIN. UNLESS OTHERWISE SPECIFIED.
7. ALL PIPES ARE IN MILLIMETERS AND ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SPECIFIED. AND ALL PIPE SIZES FOR WATER LINES INDICATED IN THE PLAN ARE ALL INSIDE DIAMETERS IN MILLIMETERS, UNLESS OTHERWISE SPECIFIED.
8. ALL HOT AND COLD WATER LINES SHALL BE POLYPROPHYLENE (PPR) PIPES & FITTINGS, PN 20, "PILSATHERM" PIPES. MADE IN GERMANY, DISTRIBUTED BY MIRAGA TRADE CENTER.
9. DRAWINGS ARE DIAGRAMATIC AND DO NOT SHOW ALL OFFSETS, BENDS, ELBOWS, ETC. WHICH MAY BE REQUIRED FOR PROPER INSTALLATION OF WORKS. SUCH WORK SHALL BE PROVIDED WITH BENDS AND OFFSETS AS NECESSARY AND VERIFIED AT THE SITE.
10. ALL FIXTURES SHALL BE VENTED, UNLESS OTHERWISE INDICATED.
11. BEFORE PERFORMING ANY WORK, CONTRACTOR SHALL THOROUGHLY EXAMINE ALL EXISTING CONDITIONS, POINTS OF CONNECTIONS, SIZES, DEPTHS, LOCATIONS, ETC.

MATERIAL SPECIFICATIONS :

SEWER LINE	POLYVINYL CHLORIDE PIPES AND FITTINGS MANUFACTURED BY "NELTEX" OR ANY APPROVED EQUIVALENT
STORM DRAINAGE LINE	CONCRETE CEMENT PIPES "T & G" FOR OUTSIDE BLDG. AND INSIDE BLDG. SHALL BE PVC PIPES AND FITTING, SERIES 1000 FOR 50mm ø MANUFACTURED BY "NELTEX" OR ANY APPROVED EQUIVALENT.
COLD WATER LINE	"PILSATHERM" (PPR) PIPES AND FITTINGS PN 20, MADE IN GERMANY
DOWNSPOUTS	POLYVINYL CHLORIDE PIPES AND FITTINGS, SERIES 1000, MANUFACTURED BY "NELTEX" OR ANY APPROVED EQUIVALENT.

NOTES :

1. PROVIDE PIPE SLEEVES, CLAMPS, AND PIPES SADDLES WHERE NECESSARY.
2. REFER TO ARCHITECT FOR WATER PROOFING SPECIFICATIONS.
3. ALL FIXTURES SHALL BE VENTED, UNLESS OTHERWISE INDICATED.
4. REFER TO STRUCTURAL ENGINEER FOR METAL REINFORCING BARS, SLABS, WALL THICKNESS AND OTHER STRUCTURAL DETAILS.

SOUTHERN LEYTE STATE UNIVERSITY

MAIN CAMPUS
San Roque, Sogod, Southern Leyte
Contact No.: 0998-868-5334
Email: president@southernleytestateu.edu.ph
Website: www.southernleytestateu.edu.ph

Excellence | Service | Leadership and Good Governance | Innovation | Social Responsibility | Integrity | Professionalism | Spirituality

PREPARED BY :	REVIEWED BY :	PROJECT :	OWNER :	APPROVED AS PER PLAN :	SHEET CONTENT	SHEET NO.
AR. JEAMES PAUL EVANGELISTA, UAP ARCHITECT I	ENGR. RYAN A. MACUTO, GREEEN ADP+AA LUDIP Head Designate	RENOVATION AND RECONFIGURATION OF UISA OFFICE IN ADMIN BUILDING WITH PROVISIONS FOR SMART OFFICE	SOUTHERN LEYTE STATE UNIVERSITY	JUDE A. DUARTE, DPA UNIVERSITY PRESIDENT	AS SHOWN	P-01
		LOCATION: SLSU-MAIN CAMPUS, SAN ROQUE, SOGOD SOUTHERN LEYTE	ADDRESS: SOGOD, SOUTHERN LEYTE		CHECKED : / DRAWN : / SCALE: AS SHOWN @ 20x30 APPROVED : / DATE :	PROJ. NO.