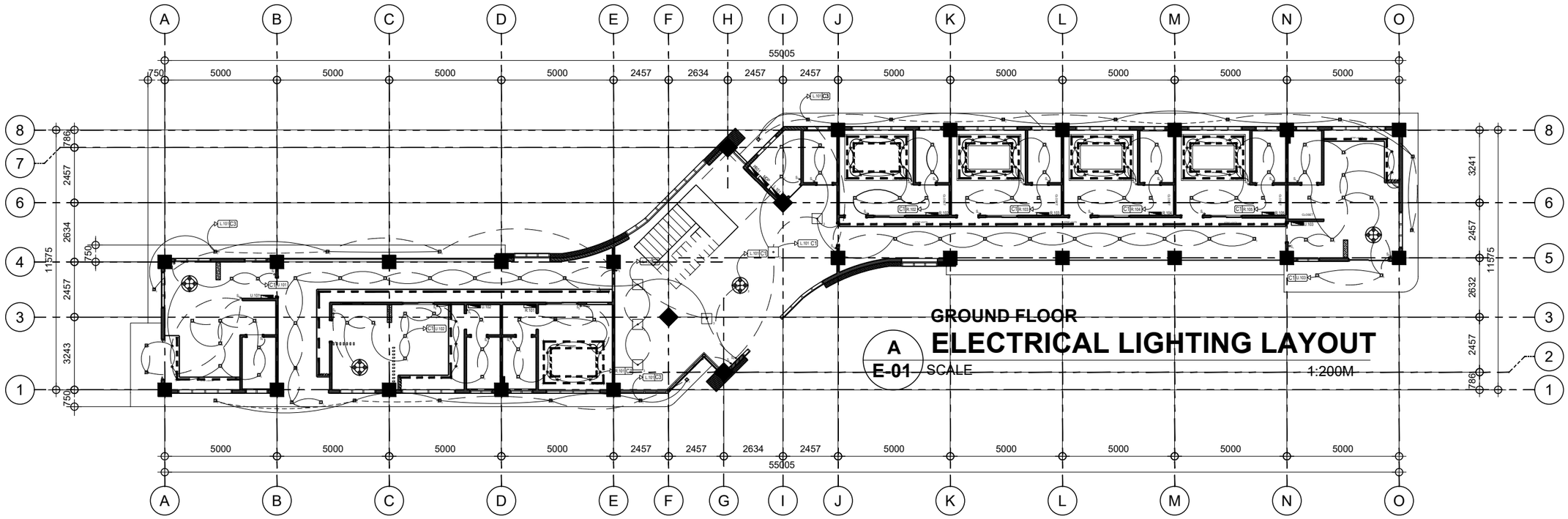
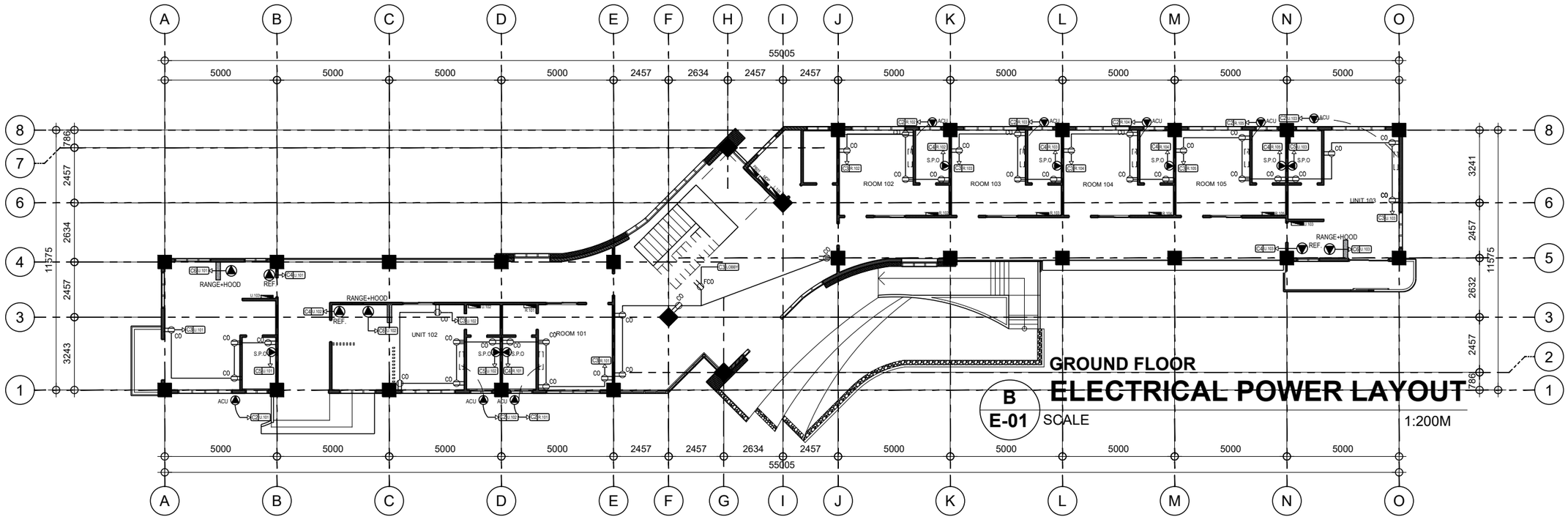
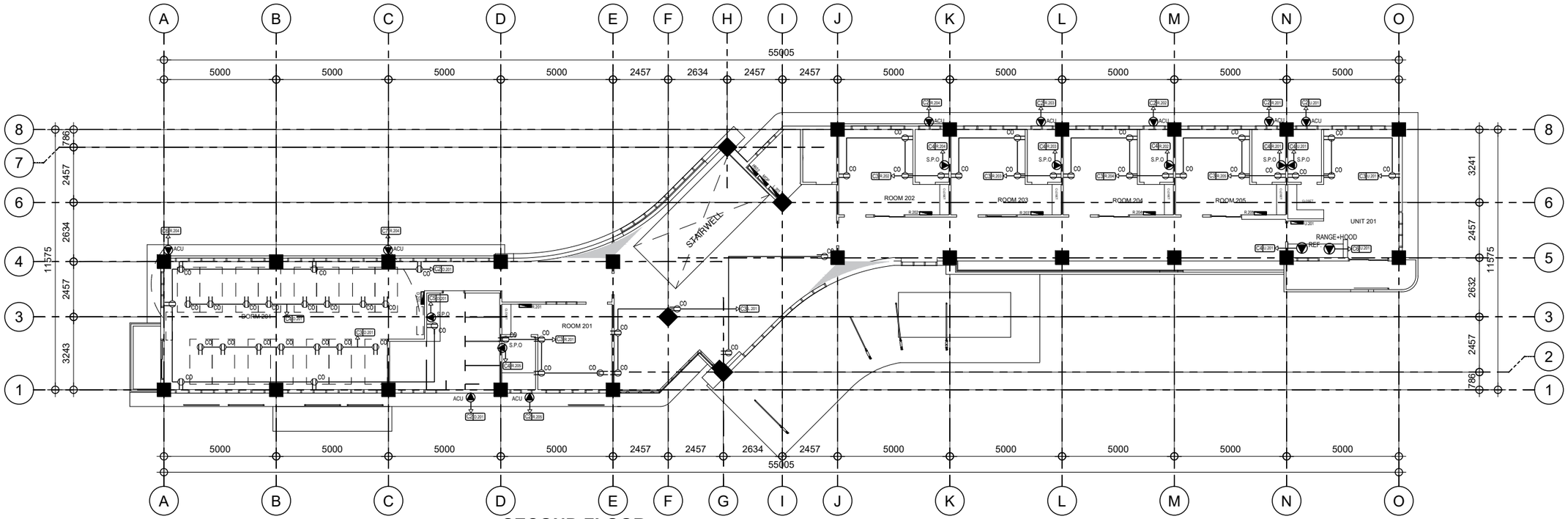




SOUTHERN LEYTE STATE UNIVERSITY Main Campus, San Roque, Sogod, Southern Leyte Email: president@southernleytestateu.edu.ph Website: www.southernleytestateu.edu.ph Excellence | Service | Leadership and Good Governance | Innovation | Social Responsibility | Integrity | Professionalism | Spirituality	PREPARED BY : EDGARDO C. PONTOD DRAFTING AIDE-OJT AR. JEAMES PAUL EVANGELISTA, UAP ARCHITECT ENGR. RYAN A. MACUTO, GREEEN ADP+AA LUDIP Head Designate	PROJECT : CONSTRUCTION OF 3-STOREY, 30 ROOMS APARTELLE DE SLSU PHASE I ADDRESS: SLSU-MAIN CAMPUS, SAN ROQUE, SOGOD SOUTHERN LEYTE	OWNER : SOUTHERN LEYTE STATE UNIVERSITY ADDRESS: SLSU-MAIN CAMPUS, SAN ROQUE, 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-01 PROJ. NO.



SECOND FLOOR

A E-02 ELECTRICAL POWER LAYOUT

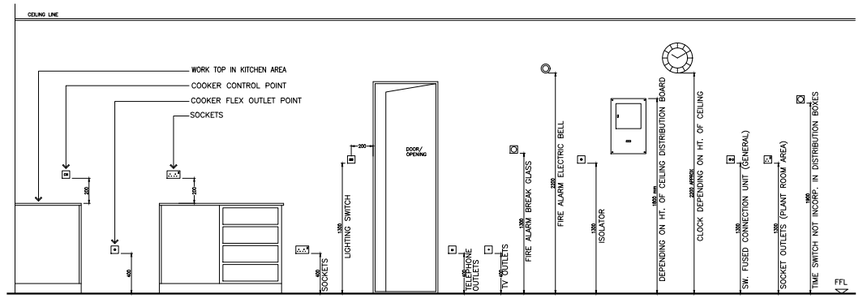
SCALE 1:200 M

LEGEND & SYMBOLS

- ACU — AIR CONDITIONING UNIT
- S.P.O — SPECIAL PURPOSE OUTLET
- 2 GANG CONVENIENCE OUTLET
- 3 GANG CONVENIENCE OUTLET
- CIRCUIT LINE
- CIRCUIT NUMBER
- PANEL BOARD
- 1 — 20 WATTS LED CIRCULAR DOWNLIGHT 8"Ø (DAYLIGHT)
- 2 — 20 WATTS DIMMABLE LED RECESSED CEILING PANEL DOWNLIGHT (DAYLIGHT)
- 3 — 36 WATTS FLUSH MOUNTED LED PANEL LIGHT, 595mm x 595mm x 10mm(DAYLIGHT)
- 4 — CHANDELIER
- STRIP LIGHT
- CIRCUIT LINE
- SWITCH LINE
- CIRCUIT NUMBER
- S_1 — SINGLE SWITCH
- S_2 — 2 GANG SWITCH
- S_3 — 3 GANG SWITCH
- GROUND
- KEY CARD

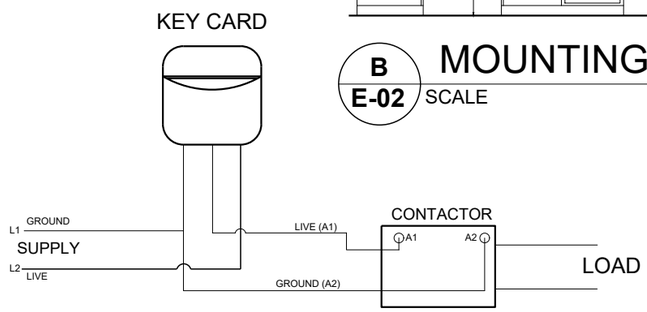
GENERAL NOTES

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.



B E-02 MOUNTING HEIGHT DETAIL

SCALE NTS



C E-02 KEY CARD DIAGRAM

SCALE NTS

MDP

CKT. NO.	DESCRIPTION	WATTS	VOLTAGE	LOAD (AMPERES) ØAB	ØBC	ØCA	CIRCUIT BREAKER	CONDUCTOR	CONDUIT
1	PB 101		220	119.53			125 AT,225 AF, 3P	3 - 30 mm² THHN + 1 - 14 mm² TW (G)	3/4" Ø PVC
2	PB 201		220		130.89		150 AT,225 AF, 3P	3 - 38 mm² THHN + 1 - 14 mm² TW (G)	3/4" Ø PVC
3	PB 301		220			130.89	150 AT,225 AF, 3P	3 - 38 mm² THHN + 1 - 14 mm² TW (G)	3/4" Ø PVC
4	SPARE		220	119.53					3/4" Ø PVC
5	SPARE		220		-				3/4" Ø PVC
6	SPARE		220			-			3/4" Ø PVC
	TOTAL			239.06	130.89	130.89			

COMPUTATION OF SERVICE EQUIPMENT

TOTAL WIRE AMPACITY = (TOTAL CURRENT x 80% DEMAND FACTOR) + (25% OF LARGEST MOTOR)

TOTAL WIRE AMPACITY = (239.06 x 0.8) + (.25 x 0)

TOTAL WIRE AMPACITY = 191.25 Amperes

CIRCUIT BREAKER	USE 1 - 300 AT,400AF, 3P BOLT - ON TYPE CB, 220 - 240V
CONDUCTOR	USE 3 - 100mm² THHN + 1 - 30 mm² TW (G)
CONDUIT	USE 80mm dia. PVC

SOUTHERN LEYTE STATE UNIVERSITY
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Excellence | Service | Leadership and Good Governance | Innovation | Social Responsibility | Integrity | Professionalism | Spirituality

PREPARED BY :		PROJECT :	OWNER :	APPROVED AS PER PLAN :	SHEET CONTENT	SHEET NO.
EDGARDO C. PONTOD DRAFTING AIDE-OJT	AR. JEAMES PAUL EVANGELISTA, UAP ARCHITECT ENGR. RYAN A. MACUTO, GREEEN ADP+AA LUDIP Head Designate	CONSTRUCTION OF 3-STOREY, 30 ROOMS APARTELLE DE SLSU PHASE I ADDRESS: SLSU-MAIN CAMPUS, SAN ROQUE, SOGOD SOUTHERN LEYTE	SOUTHERN LEYTE STATE UNIVERSITY ADDRESS: SLSU-MAIN CAMPUS, SAN ROQUE, SOGOD SOUTHERN LEYTE	JUDE A. DUARTE, DPA UNIVERSITY PRESIDENT	AS SHOWN CHECKED : DRAWN : SCALE APPROVED : DATE : AS SHOWN @ 20x30	E-02 PROJ. NO.

PANEL BOARD 01

CKT. NO.	DESCRIPTION	WATTS	VOLTAGE	LOAD (AMPERES) ØAB	ØBC	ØCA	CIRCUIT BREAKER	CONDUCTOR	CONDUIT
1	*UNIT 101*	11700	220	53.19			60 AT,60 AF, 3P	3 - 8.0 mm² THHN + 1 - 5.5 mm² TW (G)	3/4" Ø PVC
2	*UNIT 102*	11700	220		53.19		60 AT,60 AF, 3P	3 - 8.0 mm² THHN + 1 - 5.5 mm² TW (G)	3/4" Ø PVC
3	*UNIT 103*	11700	220			53.19	60 AT,60 AF, 3P	3 - 8.0 mm² THHN + 1 - 5.5 mm² TW (G)	3/4" Ø PVC
4	*ROOM 101*	7297.4	220	33.17			60 AT,60 AF, 3P	3 - 8.0 mm² THHN + 1 - 5.5 mm² TW (G)	3/4" Ø PVC
5	*ROOM 102*	7297.4	220		33.17		60 AT,60 AF, 3P	3 - 8.0 mm² THHN + 1 - 5.5 mm² TW (G)	3/4" Ø PVC
6	*ROOM 103*	7297.4	220			33.17	60 AT,60 AF, 3P	3 - 8.0 mm² THHN + 1 - 5.5 mm² TW (G)	3/4" Ø PVC
7	*ROOM 104*	7297.4	220	33.17			60 AT,60 AF, 3P	3 - 8.0 mm² THHN + 1 - 5.5 mm² TW (G)	3/4" Ø PVC
8	*ROOM 105*	7297.4	220		33.17		60 AT,60 AF, 3P	3 - 8.0 mm² THHN + 1 - 5.5 mm² TW (G)	3/4" Ø PVC
9	*LOBBY 101*	6993.8	220			31.79	60 AT,60 AF, 3P	3 - 8.0 mm² THHN + 1 - 5.5 mm² TW (G)	3/4" Ø PVC
10	*SPARE*								
11	*SPARE*								
12	*SPARE*								
	TOTAL			119.53	119.53	118.15			

COMPUTATION OF SERVICE EQUIPMENT

TOTAL WIRE AMPACITY = (TOTAL CURRENT x 80% DEMAND FACTOR) + (25% OF LARGEST MOTOR)

TOTAL WIRE AMPACITY = (119.53 x 0.8) + (.25 x 0)

TOTAL WIRE AMPACITY = 95.62 Amperes

CIRCUIT BREAKER	USE 1 - 125 AT,225AF, 3P BOLT - ON TYPE CB, 220 - 240V
CONDUCTOR	USE 3 - 30mm² THHN + 1 - 14 mm² TW (G)
CONDUIT	USE 40mm dia. PVC

UNIT 101

CKT. NO.	DESCRIPTION	SWITCHES S1	S2	S3	S3W	WATTS	VOLTAGE	LOAD (AMPERES)	CIRCUIT BREAKER	CONDUCTOR	CONDUIT
1	*LIGHTING OUTLET (17 LED)*	3	1			1700	220	7.73	15 AT,50 AF, 2P	2- 3.5 mm² THHN	1/2" Ø PVC
2	*ACU*					1500	220	6.82	20 AT,50 AF, 2P	2- 5.5 mm² THHN + 1 - 2.0mm² TW(G)	1/2" Ø PVC
3	*CONVENIENCE OUTLET (5)*					1000	220	4.55	20 AT,50 AF, 2P	2- 5.5 mm² THHN + 1 - 2.0mm² TW(G)	1/2" Ø PVC
4	*REF*					1500	220	6.82	20 AT,50 AF, 2P	2- 5.5 mm² THHN + 1 - 2.0mm² TW(G)	1/2" Ø PVC
5	*SPO (HEATER)*					3500	220	15.91	20 AT,50 AF, 2P	2- 5.5 mm² THHN + 1 - 2.0mm² TW(G)	1/2" Ø PVC
6	*RANGE + HOOD*					2500	220	11.36	20 AT,50 AF, 2P	2- 5.5 mm² THHN + 1 - 2.0mm² TW(G)	1/2" Ø PVC
	TOTAL							53.19			

COMPUTATION OF SERVICE EQUIPMENT

TOTAL WIRE AMPACITY = (TOTAL CURRENT x 80% DEMAND FACTOR) + (25% OF LARGEST MOTOR)

TOTAL WIRE AMPACITY = (53.17 x 0.8) + (.25 x 1)

TOTAL WIRE AMPACITY = 42.79 Amperes

CIRCUIT BREAKER	USE 1 - 60 AT,100AF, 2P BOLT - ON TYPE CB, 220 - 240V
CONDUCTOR	USE 2 - 8.0 mm² THHN + 1 - 5.5 mm² TW (G)
CONDUIT	USE 1 - 3/4" dia. PVC

UNIT 102

CKT. NO.	DESCRIPTION	SWITCHES S1	S2	S3	S3W	WATTS	VOLTAGE	LOAD (AMPERES)	CIRCUIT BREAKER	CONDUCTOR	CONDUIT
1	*LIGHTING OUTLET (17 LED)*	3	1			1700	220	7.73	15 AT,50 AF, 2P	2- 3.5 mm² THHN	1/2" Ø PVC
2	*ACU*					1500	220	6.81	20 AT,50 AF, 2P	2- 5.5 mm² THHN + 1 - 2.0mm² TW(G)	1/2" Ø PVC
3	*CONVENIENCE OUTLET (5)*					1000	220	4.55	20 AT,50 AF, 2P	2- 5.5 mm² THHN + 1 - 2.0mm² TW(G)	1/2" Ø PVC
4	*REF*					1500	220	6.81	20 AT,50 AF, 2P	2- 5.5 mm² THHN + 1 - 2.0mm² TW(G)	1/2" Ø PVC
5	*SPO (HEATER)*					3500	220	15.91	20 AT,50 AF, 2P	2- 5.5 mm² THHN + 1 - 2.0mm² TW(G)	1/2" Ø PVC
6	*RANGE + HOOD*					2500	220	11.36	20 AT,50 AF, 2P	2- 5.5 mm² THHN + 1 - 2.0mm² TW(G)	1/2" Ø PVC
	TOTAL							53.17			

COMPUTATION OF SERVICE EQUIPMENT

TOTAL WIRE AMPACITY = (TOTAL CURRENT x 80% DEMAND FACTOR) + (25% OF LARGEST MOTOR)

TOTAL WIRE AMPACITY = (53.17 x 0.8) + (.25 x 1)

TOTAL WIRE AMPACITY = 42.79 Amperes

CIRCUIT BREAKER	USE 1 - 60 AT,100AF, 2P BOLT - ON TYPE CB, 220 - 240V
CONDUCTOR	USE 2 - 8.0 mm² THHN + 1 - 5.5 mm² TW (G)
CONDUIT	USE 1 - 3/4" dia. PVC

UNIT 103

CKT. NO.	DESCRIPTION	SWITCHES S1	S2	S3	S3W	WATTS	VOLTAGE	LOAD (AMPERES)	CIRCUIT BREAKER	CONDUCTOR	CONDUIT
1	*LIGHTING OUTLET (17 LED)*	3	1			1700	220	7.73	15 AT,50 AF, 2P	2- 3.5 mm² THHN	1/2" Ø PVC
2	*ACU*					1500	220	6.81	20 AT,50 AF, 2P	2- 5.5 mm² THHN + 1 - 2.0mm² TW(G)	1/2" Ø PVC
3	*CONVENIENCE OUTLET (5)*					1000	220	4.55	20 AT,50 AF, 2P	2- 5.5 mm² THHN + 1 - 2.0mm² TW(G)	1/2" Ø PVC
4	*REF*					1500	220	6.81	20 AT,50 AF, 2P	2- 5.5 mm² THHN + 1 - 2.0mm² TW(G)	1/2" Ø PVC
5	*SPO (HEATER)*					3500	220	15.91	20 AT,50 AF, 2P	2- 5.5 mm² THHN + 1 - 2.0mm² TW(G)	1/2" Ø PVC
6	*RANGE + HOOD*					2500	220	11.36	20 AT,50 AF, 2P	2- 5.5 mm² THHN + 1 - 2.0mm² TW(G)	1/2" Ø PVC
	TOTAL							53.17			

COMPUTATION OF SERVICE EQUIPMENT

TOTAL WIRE AMPACITY = (TOTAL CURRENT x 80% DEMAND FACTOR) + (25% OF LARGEST MOTOR)

TOTAL WIRE AMPACITY = (53.17 x 0.8) + (.25 x 1)

TOTAL WIRE AMPACITY = 42.79 Amperes

CIRCUIT BREAKER	USE 1 - 60 AT,100AF, 2P BOLT - ON TYPE CB, 220 - 240V
CONDUCTOR	USE 2 - 8.0 mm² THHN + 1 - 5.5 mm² TW (G)
CONDUIT	USE 1 - 3/4" dia. PVC

ROOM 101

CKT. NO.	DESCRIPTION	SWITCHES S1	S2	S3	S3W	WATTS	VOLTAGE	LOAD (AMPERES)	CIRCUIT BREAKER	CONDUCTOR	CONDUIT
1	*LIGHTING OUTLET (15 LED)*	2	1			1500	220	6.81	15 AT,50 AF, 2P	2- 3.5 mm² THHN	1/2" Ø PVC
2	*ACU*					1500	220	6.81	20 AT,50 AF, 2P	2- 5.5 mm² THHN + 1 - 2.0mm² TW(G)	1/2" Ø PVC
3	*CO*					800	220	3.64	20 AT,50 AF, 2P	2- 5.5 mm² THHN + 1 - 2.0mm² TW(G)	1/2" Ø PVC
4	*SPO (HEATER)*					3500	220	15.91	20 AT,50 AF, 2P	2- 5.5 mm² THHN + 1 - 2.0mm² TW(G)	1/2" Ø PVC
5	*SPARE*										
6	*SPARE*										
	TOTAL							33.17			

COMPUTATION OF SERVICE EQUIPMENT

TOTAL WIRE AMPACITY = (TOTAL CURRENT x 80% DEMAND FACTOR) + (25% OF LARGEST MOTOR)

TOTAL WIRE AMPACITY = (33.17 x 0.8) + (.25 x 0)

TOTAL WIRE AMPACITY = 26.54 Amperes

CIRCUIT BREAKER	USE 1 - 40 AT,225AF, 2P BOLT - ON TYPE CB, 220 - 240V
CONDUCTOR	USE 2 - 8.0 mm² THHN + 1 - 5.5 mm² TW (G)
CONDUIT	USE 1 - 3/4" dia. PVC

ROOM 102

CKT. NO.	DESCRIPTION	SWITCHES S1	S2	S3	S3W	WATTS	VOLTAGE	LOAD (AMPERES)	CIRCUIT BREAKER	CONDUCTOR	CONDUIT
1	*LIGHTING OUTLET (15 LED)*	2	1			1500	220	6.81	15 AT,50 AF, 2P	2- 3.5 mm² THHN	1/2" Ø PVC
2	*ACU*					1500	220	6.81	20 AT,50 AF, 2P	2- 5.5 mm² THHN + 1 - 2.0mm² TW(G)	1/2" Ø PVC
3	*CO*					800	220	3.64	20 AT,50 AF, 2P	2- 5.5 mm² THHN + 1 - 2.0mm² TW(G)	1/2" Ø PVC
4	*SPO (HEATER)*					3500	220	15.91	20 AT,50 AF, 2P	2- 5.5 mm² THHN + 1 - 2.0mm² TW(G)	1/2" Ø PVC
5	*SPARE*										
6	*SPARE*										
	TOTAL							33.17			

COMPUTATION OF SERVICE EQUIPMENT

TOTAL WIRE AMPACITY = (TOTAL CURRENT x 80% DEMAND FACTOR) + (25% OF LARGEST MOTOR)

TOTAL WIRE AMPACITY = (33.17 x 0.8) + (.25 x 0)

TOTAL WIRE AMPACITY = 26.54 Amperes

CIRCUIT BREAKER	USE 1 - 40 AT,225AF, 2P BOLT - ON TYPE CB, 220 - 240V
CONDUCTOR	USE 2 - 8.0 mm² THHN + 1 - 5.5 mm² TW (G)
CONDUIT	USE 1 - 3/4" dia. PVC

ROOM 103

CKT. NO.	DESCRIPTION	SWITCHES S1	S2	S3	S3W	WATTS	VOLTAGE	LOAD (AMPERES)	CIRCUIT BREAKER	CONDUCTOR	CONDUIT
1	*LIGHTING OUTLET (15 LED)*	2	1			1500	220	6.81	15 AT,50 AF, 2P	2- 3.5 mm² THHN	1/2" Ø PVC
2	*ACU*					1500	220	6.81	20 AT,50 AF, 2P	2- 5.5 mm² THHN + 1 - 2.0mm² TW(G)	1/2" Ø PVC
3	*CO*					800	220	3.64	20 AT,50 AF, 2P	2- 5.5 mm² THHN + 1 - 2.0mm² TW(G)	1/2" Ø PVC
4	*SPO (HEATER)*					3500	220	15.91	20 AT,50 AF, 2P	2- 5.5 mm² THHN + 1 - 2.0mm² TW(G)	1/2" Ø PVC
5	*SPARE*										
6	*SPARE*										
	TOTAL							33.17			

COMPUTATION OF SERVICE EQUIPMENT

TOTAL WIRE AMPACITY = (TOTAL CURRENT x 80% DEMAND FACTOR) + (25% OF LARGEST MOTOR)

TOTAL WIRE AMPACITY = (33.17 x 0.8) + (.25 x 0)

TOTAL WIRE AMPACITY = 26.54 Amperes

CIRCUIT BREAKER	USE 1 - 40 AT,225AF, 2P BOLT - ON TYPE CB, 220 - 240V
CONDUCTOR	USE 2 - 8.0 mm² THHN + 1 - 5.5 mm² TW (G)
CONDUIT	USE 1 - 3/4" dia. PVC

ROOM 104

CKT. NO.	DESCRIPTION	SWITCHES S1	S2	S3	S3W	WATTS	VOLTAGE	LOAD (AMPERES)	CIRCUIT BREAKER	CONDUCTOR	CONDUIT
1	*LIGHTING OUTLET (15 LED)*	2	1			1500	220	6.81	15 AT,50 AF, 2P	2- 3.5 mm² THHN	1/2" Ø PVC
2	*ACU*					1500	220	6.81	20 AT,50 AF, 2P	2- 5.5 mm² THHN + 1 - 2.0mm² TW(G)	1/2" Ø PVC
3	*CO*					800	220	3.64	20 AT,50 AF, 2P	2- 5.5 mm² THHN + 1 - 2.0mm² TW(G)	1/2" Ø PVC
4	*SPO (HEATER)*					3500	220	15.91	20 AT,50 AF, 2P	2- 5.5 mm² THHN + 1 - 2.0mm² TW(G)	1/2" Ø PVC
5	*SPARE*										
6	*SPARE*										
	TOTAL							33.17			

COMPUTATION OF SERVICE EQUIPMENT

TOTAL WIRE AMPACITY = (TOTAL CURRENT x 80% DEMAND FACTOR) + (25% OF LARGEST MOTOR)

TOTAL WIRE AMPACITY = (33.17 x 0.8) + (.25 x 0)

TOTAL WIRE AMPACITY = 26.54 Amperes

CIRCUIT BREAKER	USE 1 - 40 AT,225AF, 2P BOLT - ON TYPE CB, 220 - 240V
CONDUCTOR	USE 2 - 8.0 mm² THHN + 1 - 5.5 mm² TW (G)
CONDUIT	USE 1 - 3/4" dia. PVC

ROOM 105

CKT. NO.	DESCRIPTION	SWITCHES S1	S2	S3	S3W	WATTS	VOLTAGE	LOAD (AMPERES)	CIRCUIT BREAKER	CONDUCTOR	CONDUIT
1	*LIGHTING OUTLET (15 LED)*	2	1			1500	220	6.81	15 AT,50 AF, 2P	2- 3.5 mm² THHN	1/2" Ø PVC
2	*ACU*					1500	220	6.81	20 AT,50 AF, 2P	2- 5.5 mm² THHN + 1 - 2.0mm² TW(G)	1/2" Ø PVC
3	*CO*					800	220	3.64	20 AT,50 AF, 2P	2- 5.5 mm² THHN + 1 - 2.0mm² TW(G)	1/2" Ø PVC
4	*SPO (HEATER)*					3500	220	15.91	20 AT,50 AF, 2P	2- 5.5 mm² THHN + 1 - 2.0mm² TW(G)	1/2" Ø PVC
5	*SPARE*										
6	*SPARE*										
	TOTAL							33.17			

COMPUTATION OF SERVICE EQUIPMENT

TOTAL WIRE AMPACITY = (TOTAL CURRENT x 80% DEMAND FACTOR) + (25% OF LARGEST MOTOR)

TOTAL WIRE AMPACITY = (33.17 x 0.8) + (.25 x 0)

TOTAL WIRE AMPACITY = 26.54 Amperes

CIRCUIT BREAKER	USE 1 - 40 AT,225AF, 2P BOLT - ON TYPE CB, 220 - 240V
CONDUCTOR	USE 2 - 8.0 mm² THHN + 1 - 5.5 mm² TW (G)
CONDUIT	USE 1 - 3/4" dia. PVC

LOBBY 101

CKT. NO.	DESCRIPTION	SWITCHES S1	S2	S3	S3W	WATTS	VOLTAGE	LOAD (AMPERES)	CIRCUIT BREAKER	CONDUCTOR	CONDUIT
1	*LO (17)*		3		1	1500	220	6.81	15 AT,50 AF, 2P	2- 3.5 mm² THHN	1/2" Ø PVC
2	*LO (16)*			3	1	1500	220	6.81	15 AT,50 AF, 2P	2- 5.5 mm² THHN + 1 - 2.0mm² TW(G)	1/2" Ø PVC
3	*CO (5)*					1000	220	4.55	20 AT,50 AF, 2P	2- 5.5 mm² THHN + 1 - 2.0mm² TW(G)	1/2" Ø PVC
4	*ACU*					1500	220	6.81	20 AT,50 AF, 2P	2- 5.5 mm² THHN + 1 - 2.0mm² TW(G)	1/2" Ø PVC
5	*ACU*					1500	220	6.81	20 AT,50 AF, 2P	2- 5.5 mm² THHN + 1 - 2.0mm² TW(G)	1/2" Ø PVC
6	*SPARE*										
	TOTAL							31.79			

COMPUTATION OF SERVICE EQUIPMENT

TOTAL WIRE AMPACITY = (TOTAL CURRENT x 80% DEMAND FACTOR) + (25% OF LARGEST MOTOR)

TOTAL WIRE AMPACITY = (31.79 x 0.8) + (.25 x 0)

TOTAL WIRE AMPACITY = 25.43 Amperes

CIRCUIT BREAKER	USE 1 - 40 AT,225AF, 3P BOLT - ON TYPE CB, 220 - 240V
CONDUCTOR	USE 2 - 8.0 mm² THHN + 1 - 5.5 mm² TW (G)
CONDUIT	USE 1 - 3/4" dia. PVC

PANEL BOARD 02

CKT. NO.	DESCRIPTION	WATTS	VOLTAGE	LOAD (AMPERES) ØAB	ØBC	ØCA	CIRCUIT BREAKER	CONDUCTOR	CONDUIT
1	*DORM 201*	11700	220	64.55			70 AT,60 AF, 3P	3 - 8.0 mm² THHN + 1 - 5.5 mm² TW (G)	3/4" Ø PVC
2	*UNIT 101*	11700	220		53.19		60 AT,60 AF, 3P	3 - 8.0 mm² THHN + 1 - 5.5 mm² TW (G)	3/4" Ø PVC
3	*ROOM 101*	7297.4	220			33.17	60 AT,60 AF, 3P	3 - 8.0 mm² THHN + 1 - 5.5 mm² TW (G)	3/4" Ø PVC
4	*ROOM 102*	7297.4	220	33.17			60 AT,60 AF, 3P	3 - 8.0 mm² THHN + 1 - 5.5 mm² TW (G)	3/4" Ø PVC
5	*ROOM 103*	7297.4	220		33.17		60 AT,60 AF, 3P	3 - 8.0 mm² THHN + 1 - 5.5 mm² TW (G)	3/4" Ø PVC
6	*ROOM 104*	7297.4	220			33.17	60 AT,60 AF, 3P	3 - 8.0 mm² THHN + 1 - 5.5 mm² TW (G)	3/4" Ø PVC
7	*ROOM 105*	7297.4	220	33.17			60 AT,60 AF, 3P	3 - 8.0 mm² THHN + 1 - 5.5 mm² TW (G)	3/4" Ø PVC
8	*LOBBY 101*	6993.8	220		31.79		60 AT,60 AF, 3P	3 - 8.0 mm² THHN + 1 - 5.5 mm² TW (G)	3/4" Ø PVC
9	*SPARE*								
10	*SPARE*								
	TOTAL			130.89	119.53	66.34			

COMPUTATION OF SERVICE EQUIPMENT

TOTAL WIRE AMPACITY = (TOTAL CURRENT x 80% DEMAND FACTOR) + (25% OF LARGEST MOTOR)

TOTAL WIRE AMPACITY = (130.89 x 0.8) + (.25 x 0)

TOTAL WIRE AMPACITY = 104.71 Amperes

CIRCUIT BREAKER	USE 1 - 150 AT,225AF, 3P BOLT - ON TYPE CB, 220 - 240V
CONDUCTOR	USE 3 - 38mm² THHN + 1 - 14 mm² TW (G)
CONDUIT	USE 40mm dia. PVC

DORM 201

CKT. NO.	DESCRIPTION	SWITCHES S1	S2	S3	S3W	WATTS	VOLTAGE	LOAD (AMPERES)	CIRCUIT BREAKER	CONDUCTOR	CONDUIT
1	*LO. (17 LED)*	3	1			1700	220	7.73	15 AT,50 AF, 2P	2- 3.5 mm² THHN	1/2" Ø PVC
2	*C.O.*					1500	220	6.82	20 AT,50 AF, 2P	2- 5.5 mm² THHN + 1 - 2.0mm² TW(G)	1/2" Ø PVC
3	*C.O.*					1000	220	4.55	20 AT,50 AF, 2P	2- 5.5 mm² THHN + 1 - 2.0mm² TW(G)	1/2" Ø PVC
4	*C.O.*					1500	220	6.82	20 AT,50 AF, 2P	2- 5.5 mm² THHN + 1 - 2.0mm² TW(G)	1/2" Ø PVC
5	*SPO (HEATER)*					3500	220	15.91	20 AT,50 AF, 2P	2- 5.5 mm² THHN + 1 - 2.0mm² TW(G)	1/2" Ø PVC
6	*ACU*					2500	220	11.36	20 AT,50 AF, 2P	2- 5.5 mm² THHN + 1 - 2.0mm² TW(G)	1/2" Ø PVC
7	*ACU*					2500	220	11.36	20 AT,50 AF, 2P	2- 5.5 mm² THHN + 1 - 2.0mm² TW(G)	1/2" Ø PVC
8	*SPARE*										
	TOTAL							64.55			

COMPUTATION OF SERVICE EQUIPMENT

TOTAL WIRE AMPACITY = (TOTAL CURRENT x 80% DEMAND FACTOR) + (25% OF LARGEST MOTOR)

TOTAL WIRE AMPACITY = (64.55 x 0.8) + (.25X0)

TOTAL WIRE AMPACITY= 51.64 Amperes

CIRCUIT BREAKER	USE 1 - 70 AT,100AF, 2P BOLT - ON TYPE CB, 220 - 240V
CONDUCTOR	USE 2 - 14 mm² THHN + 1 - 5.5 mm² TW (G)
CONDUIT	USE 1 - 3/4" dia. PVC

UNIT 201

CKT. NO.	DESCRIPTION	SWITCHES S1	S2	S3	S3W	WATTS	VOLTAGE	LOAD (AMPERES)	CIRCUIT BREAKER	CONDUCTOR	CONDUIT
1	*LIGHTING OUTLET (17 LED)*	3	1			1700	220	7.73	15 AT,50 AF, 2P	2- 3.5 mm² THHN	1/2" Ø PVC
2	*ACU*					1500	220	6.82	20 AT,50 AF, 2P	2- 5.5 mm² THHN + 1 - 2.0mm² TW(G)	1/2" Ø PVC
3	*CONVENIENCE OUTLET (5)*					1000	220	4.55	20 AT,50 AF, 2P	2- 5.5 mm² THHN + 1 - 2.0mm² TW(G)	1/2" Ø PVC
4	*REF*					1500	220	6.82	20 AT,50 AF, 2P	2- 5.5 mm² THHN + 1 - 2.0mm² TW(G)	1/2" Ø PVC
5	*SPO (HEATER)*					3500	220	15.91	20 AT,50 AF, 2P	2- 5.5 mm² THHN + 1 - 2.0mm² TW(G)	1/2" Ø PVC
6	*RANGE + HOOD*					2500	220	11.36	20 AT,50 AF, 2P	2- 5.5 mm² THHN + 1 - 2.0mm² TW(G)	1/2" Ø PVC
	TOTAL							53.19			

COMPUTATION OF SERVICE EQUIPMENT

TOTAL WIRE AMPACITY = (TOTAL CURRENT x 80% DEMAND FACTOR) + (25% OF LARGEST MOTOR)

TOTAL WIRE AMPACITY = (53.17 x 0.8) + (.25 x 1)

TOTAL WIRE AMPACITY = 42.79 Amperes

CIRCUIT BREAKER	USE 1 - 60 AT,100AF, 2P BOLT - ON TYPE CB, 220 - 240V
CONDUCTOR	USE 2 - 8.0 mm² THHN + 1 - 5.5 mm² TW (G)
CONDUIT	USE 1 - 3/4" dia. PVC

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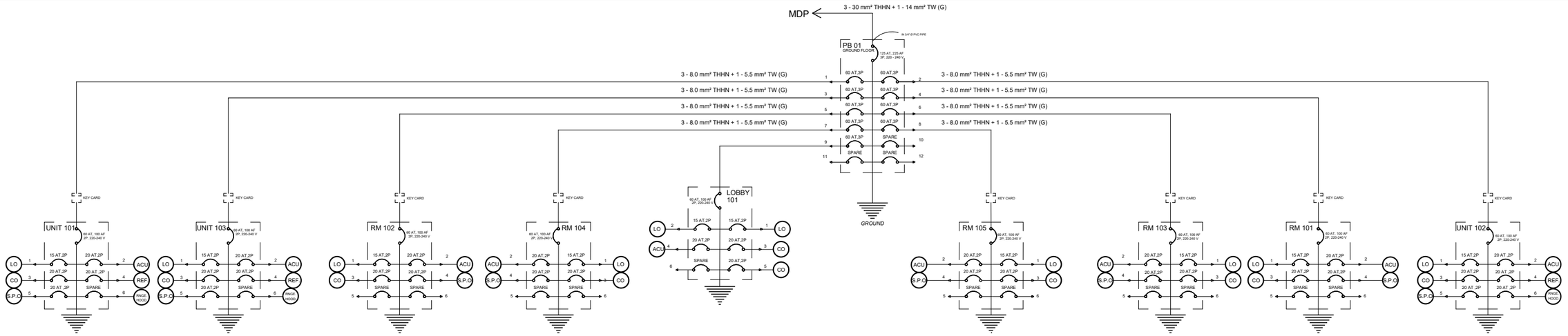
EDGARDO C. PONTOD DRAFTING AIDE-OJT	AR. JEAMES PAUL EVANGELISTA, UAP ARCHITECT ENGR. RYAN A. MACUTO, GREEEN ADP+AA LUDIP Head Designate	CONSTRUCTION OF 3-STOREY, 30 ROOMS APARTELLE DE SLSU PHASE I ADDRESS: SLSU-MAIN CAMPUS, SAN ROQUE, SOGOD SOUTHERN LEYTE	SOUTHERN LEYTE STATE UNIVERSITY ADDRESS: SLSU-MAIN CAMPUS, SAN ROQUE, SOGOD SOUTHERN LEYTE	JUDE A. DUARTE, DPA UNIVERSITY PRESIDENT	AS SHOWN / E-03 CHECKED : / DRAWN : / SCALE: AS SHOWN @ 20x30 APPROVED : / DATE : / PROJ. NO.



ROOM 201

CKT. NO.	DESCRIPTION	SWITCHES S1	S2	S3	S3W	WATTS	VOLTAGE	LOAD (AMPERES)	CIRCUIT BREAKER	CONDUCTOR	CONDUIT
1	LIGHTING OUTLET (15 LED)	2	1			1500	220	6.81	15 AT,50 AF, 2P	2- 3.5 mm² THHN	1/2" Ø PVC
2	ACU					1500	220	6.81	20 AT,50 AF, 2P	2- 5.5 mm² THHN + 1 - 2.0mm² TW(G)	1/2" Ø PVC
3	CO					800	220	3.64	20 AT,50 AF, 2P	2- 5.5 mm² THHN + 1 - 2.0mm² TW(G)	1/2" Ø PVC
4	SPO (HEATER)					3500	220	15.91	20 AT,50 AF, 2P	2- 5.5 mm² THHN + 1 - 2.0mm² TW(G)	1/2" Ø PVC
5	SPARE										
6	SPARE										
	TOTAL							33.17			

COMPUTATION OF SERVICE EQUIPMENT

TOTAL WIRE AMPACITY = (TOTAL CURRENT x 80% DEMAND FACTOR) + (25% OF LARGEST MOTOR)

TOTAL WIRE AMPACITY = (33.17 x 0.8) + (.25 x 0)

TOTAL WIRE AMPACITY = 26.54 Amperes

CIRCUIT BREAKER	USE 1 - 40 AT,225AF, 2P BOLT - ON TYPE CB, 220 - 240V
CONDUCTOR	USE 2 - 8.0 mm² THHN + 1 - 5.5 mm² TW (G)
CONDUIT	USE 1 - 3/4" dia. PVC

ROOM 202

CKT. NO.	DESCRIPTION	SWITCHES S1	S2	S3	S3W	WATTS	VOLTAGE	LOAD (AMPERES)	CIRCUIT BREAKER	CONDUCTOR	CONDUIT
1	LIGHTING OUTLET (15 LED)	2	1			1500	220	6.81	15 AT,50 AF, 2P	2- 3.5 mm² THHN	1/2" Ø PVC
2	ACU					1500	220	6.81	20 AT,50 AF, 2P	2- 5.5 mm² THHN + 1 - 2.0mm² TW(G)	1/2" Ø PVC
3	CO					800	220	3.64	20 AT,50 AF, 2P	2- 5.5 mm² THHN + 1 - 2.0mm² TW(G)	1/2" Ø PVC
4	SPO (HEATER)					3500	220	15.91	20 AT,50 AF, 2P	2- 5.5 mm² THHN + 1 - 2.0mm² TW(G)	1/2" Ø PVC
5	SPARE										
6	SPARE										
	TOTAL							33.17			

COMPUTATION OF SERVICE EQUIPMENT

TOTAL WIRE AMPACITY = (TOTAL CURRENT x 80% DEMAND FACTOR) + (25% OF LARGEST MOTOR)

TOTAL WIRE AMPACITY = (33.17 x 0.8) + (.25 x 0)

TOTAL WIRE AMPACITY = 26.54 Amperes

CIRCUIT BREAKER	USE 1 - 40 AT,225AF, 2P BOLT - ON TYPE CB, 220 - 240V
CONDUCTOR	USE 2 - 8.0 mm² THHN + 1 - 5.5 mm² TW (G)
CONDUIT	USE 1 - 3/4" dia. PVC

ROOM 203

CKT. NO.	DESCRIPTION	SWITCHES S1	S2	S3	S3W	WATTS	VOLTAGE	LOAD (AMPERES)	CIRCUIT BREAKER	CONDUCTOR	CONDUIT
1	LIGHTING OUTLET (15 LED)	2	1			1500	220	6.81	15 AT,50 AF, 2P	2- 3.5 mm² THHN	1/2" Ø PVC
2	ACU					1500	220	6.81	20 AT,50 AF, 2P	2- 5.5 mm² THHN + 1 - 2.0mm² TW(G)	1/2" Ø PVC
3	CO					800	220	3.64	20 AT,50 AF, 2P	2- 5.5 mm² THHN + 1 - 2.0mm² TW(G)	1/2" Ø PVC
4	SPO (HEATER)					3500	220	15.91	20 AT,50 AF, 2P	2- 5.5 mm² THHN + 1 - 2.0mm² TW(G)	1/2" Ø PVC
5	SPARE										
6	SPARE										
	TOTAL							33.17			

COMPUTATION OF SERVICE EQUIPMENT

TOTAL WIRE AMPACITY = (TOTAL CURRENT x 80% DEMAND FACTOR) + (25% OF LARGEST MOTOR)

TOTAL WIRE AMPACITY = (33.17 x 0.8) + (.25 x 0)

TOTAL WIRE AMPACITY = 26.54 Amperes

CIRCUIT BREAKER	USE 1 - 40 AT,225AF, 2P BOLT - ON TYPE CB, 220 - 240V
CONDUCTOR	USE 2 - 8.0 mm² THHN + 1 - 5.5 mm² TW (G)
CONDUIT	USE 1 - 3/4" dia. PVC

ROOM 204

CKT. NO.	DESCRIPTION	SWITCHES S1	S2	S3	S3W	WATTS	VOLTAGE	LOAD (AMPERES)	CIRCUIT BREAKER	CONDUCTOR	CONDUIT
1	LIGHTING OUTLET (15 LED)	2	1			1500	220	6.81	15 AT,50 AF, 2P	2- 3.5 mm² THHN	1/2" Ø PVC
2	ACU					1500	220	6.81	20 AT,50 AF, 2P	2- 5.5 mm² THHN + 1 - 2.0mm² TW(G)	1/2" Ø PVC
3	CO					800	220	3.64	20 AT,50 AF, 2P	2- 5.5 mm² THHN + 1 - 2.0mm² TW(G)	1/2" Ø PVC
4	SPO (HEATER)					3500	220	15.91	20 AT,50 AF, 2P	2- 5.5 mm² THHN + 1 - 2.0mm² TW(G)	1/2" Ø PVC
5	SPARE										
6	SPARE										
	TOTAL							33.17			

COMPUTATION OF SERVICE EQUIPMENT

TOTAL WIRE AMPACITY = (TOTAL CURRENT x 80% DEMAND FACTOR) + (25% OF LARGEST MOTOR)

TOTAL WIRE AMPACITY = (33.17 x 0.8) + (.25 x 0)

TOTAL WIRE AMPACITY = 26.54 Amperes

CIRCUIT BREAKER	USE 1 - 40 AT,225AF, 2P BOLT - ON TYPE CB, 220 - 240V
CONDUCTOR	USE 2 - 8.0 mm² THHN + 1 - 5.5 mm² TW (G)
CONDUIT	USE 1 - 3/4" dia. PVC

ROOM 205

CKT. NO.	DESCRIPTION	SWITCHES S1	S2	S3	S3W	WATTS	VOLTAGE	LOAD (AMPERES)	CIRCUIT BREAKER	CONDUCTOR	CONDUIT
1	LIGHTING OUTLET (15 LED)	2	1			1500	220	6.81	15 AT,50 AF, 2P	2- 3.5 mm² THHN	1/2" Ø PVC
2	ACU					1500	220	6.81	20 AT,50 AF, 2P	2- 5.5 mm² THHN + 1 - 2.0mm² TW(G)	1/2" Ø PVC
3	CO					800	220	3.64	20 AT,50 AF, 2P	2- 5.5 mm² THHN + 1 - 2.0mm² TW(G)	1/2" Ø PVC
4	SPO (HEATER)					3500	220	15.91	20 AT,50 AF, 2P	2- 5.5 mm² THHN + 1 - 2.0mm² TW(G)	1/2" Ø PVC
5	SPARE										
6	SPARE										
	TOTAL							33.17			

COMPUTATION OF SERVICE EQUIPMENT

TOTAL WIRE AMPACITY = (TOTAL CURRENT x 80% DEMAND FACTOR) + (25% OF LARGEST MOTOR)

TOTAL WIRE AMPACITY = (33.17 x 0.8) + (.25 x 0)

TOTAL WIRE AMPACITY = 26.54 Amperes

CIRCUIT BREAKER	USE 1 - 40 AT,225AF, 2P BOLT - ON TYPE CB, 220 - 240V
CONDUCTOR	USE 2 - 8.0 mm² THHN + 1 - 5.5 mm² TW (G)
CONDUIT	USE 1 - 3/4" dia. PVC

LOBBY 101

CKT. NO.	DESCRIPTION	SWITCHES S1	S2	S3	S3W	WATTS	VOLTAGE	LOAD (AMPERES)	CIRCUIT BREAKER	CONDUCTOR	CONDUIT
1	LO (17)	3		1		1500	220	6.81	15 AT,50 AF, 2P	2- 3.5 mm² THHN	1/2" Ø PVC
2	LO (16)		3	1		1500	220	6.81	15 AT,50 AF, 2P	2- 5.5 mm² THHN + 1 - 2.0mm² TW(G)	1/2" Ø PVC
3	CO (5)					1000	220	4.55	20 AT,50 AF, 2P	2- 5.5 mm² THHN + 1 - 2.0mm² TW(G)	1/2" Ø PVC
4	ACU					1500	220	6.81	20 AT,50 AF, 2P	2- 5.5 mm² THHN + 1 - 2.0mm² TW(G)	1/2" Ø PVC
5	ACU					1500	220	6.81	20 AT,50 AF, 2P	2- 5.5 mm² THHN + 1 - 2.0mm² TW(G)	1/2" Ø PVC
6	SPARE										
	TOTAL							31.79			

COMPUTATION OF SERVICE EQUIPMENT

TOTAL WIRE AMPACITY = (TOTAL CURRENT x 80% DEMAND FACTOR) + (25% OF LARGEST MOTOR)

TOTAL WIRE AMPACITY = (31.79 x 0.8) + (.25 x 0)

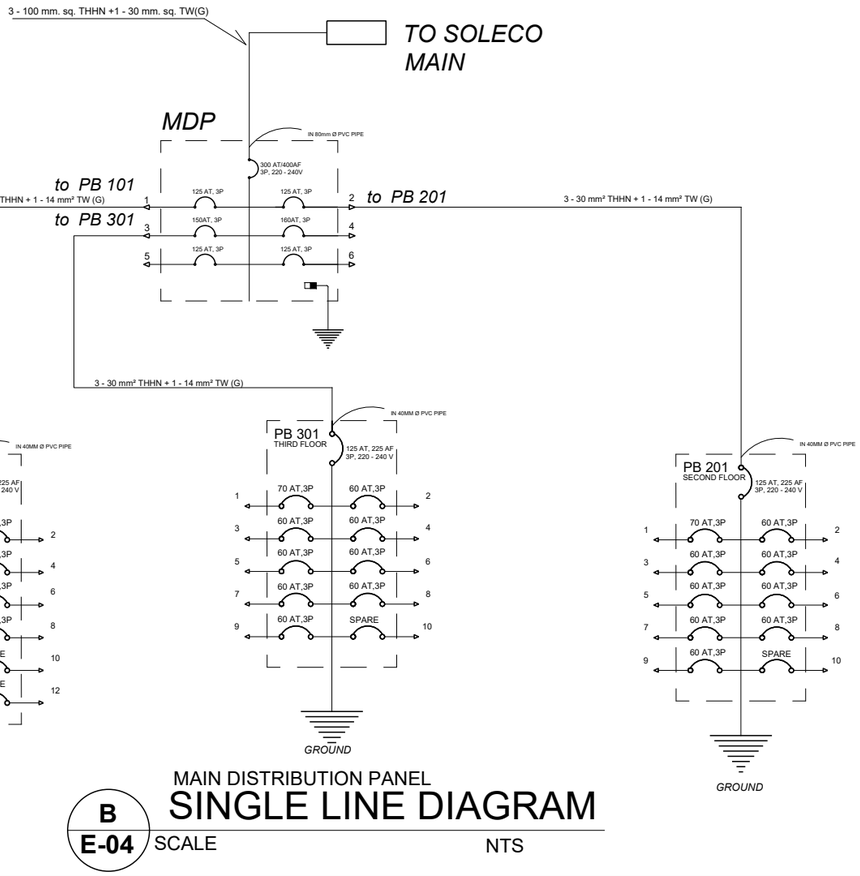
TOTAL WIRE AMPACITY = 25.43 Amperes

CIRCUIT BREAKER	USE 1 - 40 AT,225AF, 3P BOLT - ON TYPE CB, 220 - 240V
CONDUCTOR	USE 2 - 8.0 mm² THHN + 1 - 5.5 mm² TW (G)
CONDUIT	USE 1 - 3/4" dia. PVC

PANEL BOARD 01

SINGLE LINE DIAGRAM

A / E-04 SCALE NTS



MAIN DISTRIBUTION PANEL

SINGLE LINE DIAGRAM

B / E-04 SCALE NTS

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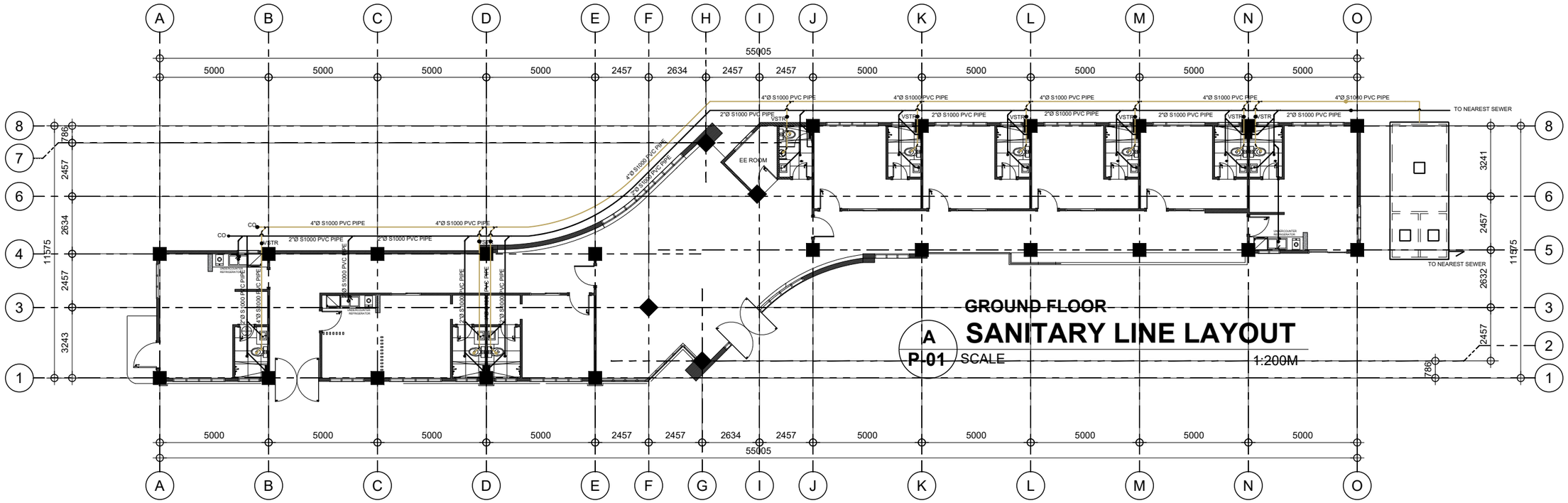
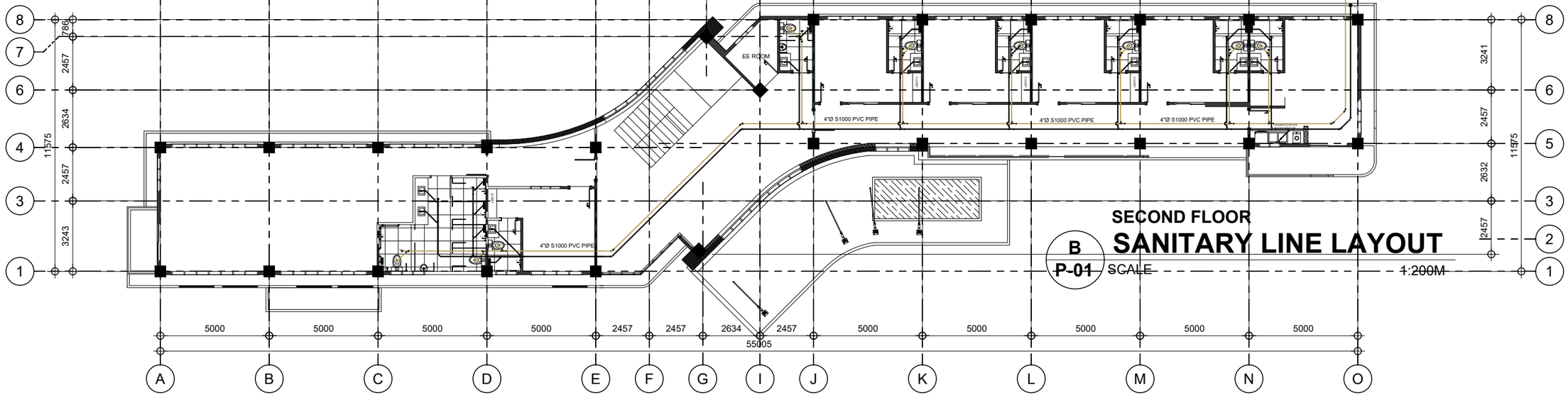
EDGARDO C. PONTOD DRAFTING AIDE-OJT	AR. JEAMES PAUL EVANGELISTA, UAP ARCHITECT ENGR. RYAN A. MACUTO, GREEEN ADP+AA LUDIP Head Designate	CONSTRUCTION OF 3-STOREY, 30 ROOMS APARTELLE DE SLSU PHASE I ADDRESS: SLSU-MAIN CAMPUS, SAN ROQUE, SOGOD SOUTHERN LEYTE	SOUTHERN LEYTE STATE UNIVERSITY ADDRESS: SLSU-MAIN CAMPUS, SAN ROQUE, SOGOD SOUTHERN LEYTE	JUDE A. DUARTE, DPA UNIVERSITY PRESIDENT	AS SHOWN / E-04 CHECKED : DRAWN : SCALE APPROVED : DATE : AS SHOWN @ 20x30 PROJ. NO.



GROUND FLOOR
SANITARY LINE LAYOUT

A
P-01 SCALE 1:200M



SECOND FLOOR
SANITARY LINE LAYOUT

B
P-01 SCALE 1:200M

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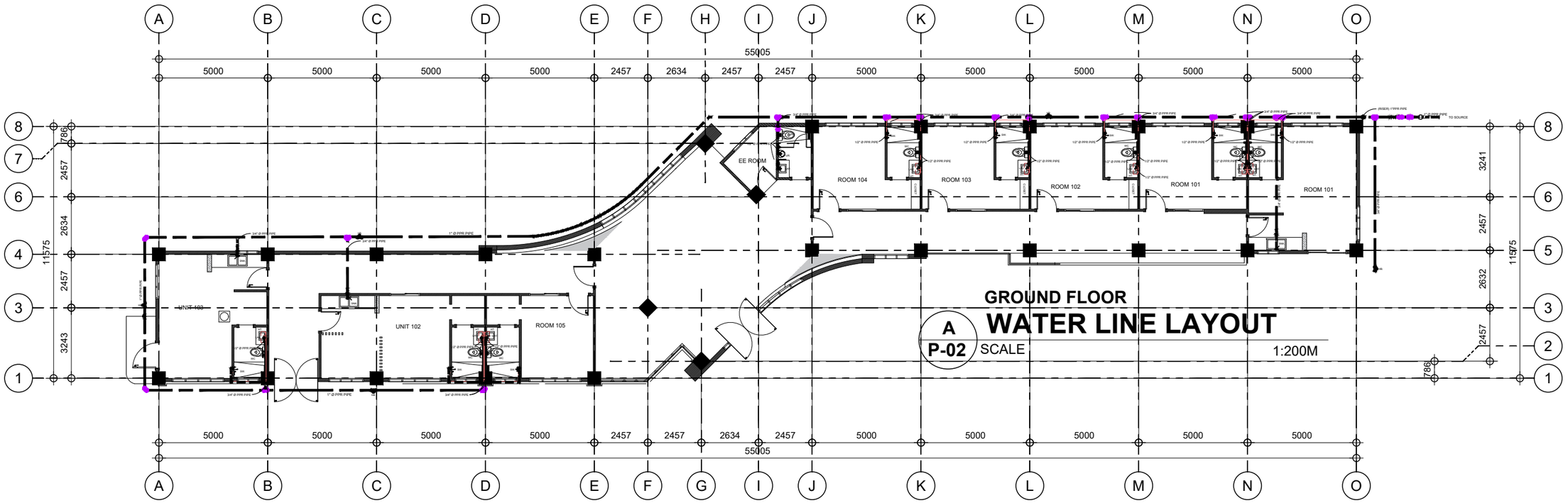
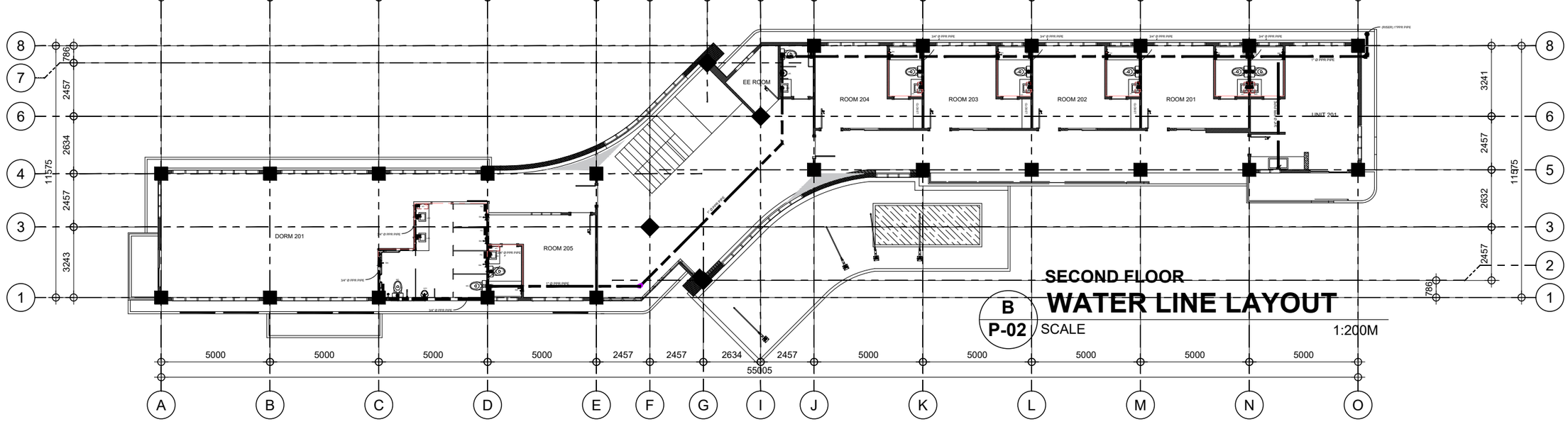


GROUND FLOOR

WATER LINE LAYOUT

A P-02 SCALE 1:200M



SECOND FLOOR

WATER LINE LAYOUT

B P-02 SCALE 1:200M

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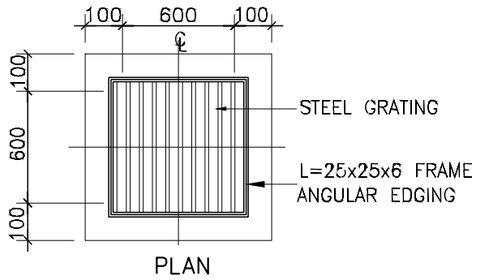
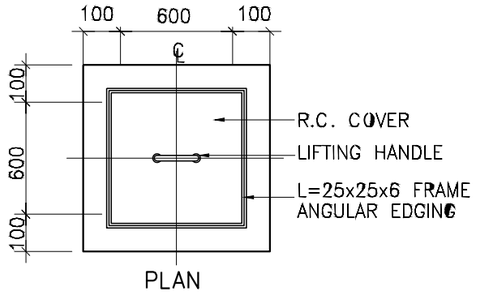
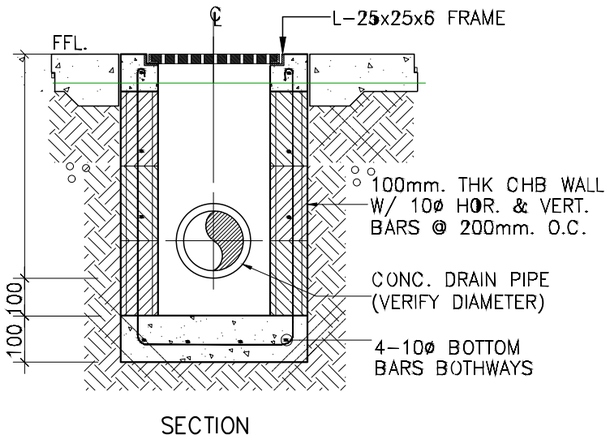
EDGARDO C. PONTOD DRAFTING AIDE-OJT	AR. JEAMES PAUL EVANGELISTA, UAP ARCHITECT ENGR. RYAN A. MACUTO, GREEEN ADP+AA LUDIP Head Designate	CONSTRUCTION OF 3-STOREY, 30 ROOMS APARTELLE DE SLSU PHASE I ADDRESS: SLSU-MAIN CAMPUS, SAN ROQUE, SOGOD SOUTHERN LEYTE	SOUTHERN LEYTE STATE UNIVERSITY ADDRESS: SLSU-MAIN CAMPUS, SAN ROQUE, SOGOD SOUTHERN LEYTE	JUDE A. DUARTE, DPA UNIVERSITY PRESIDENT	AS SHOWN CHECKED : DRAWN : SCALE APPROVED : DATE : AS SHOWN @ 20x30	P-02 PROJ. NO.



PLAN



PLAN



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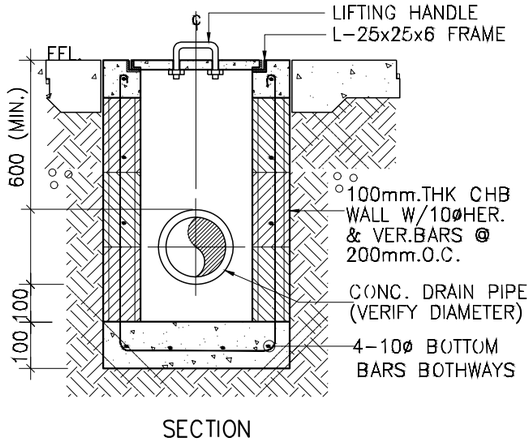

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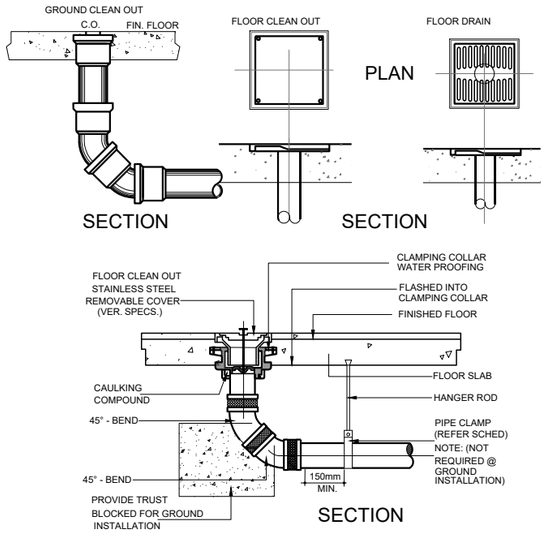
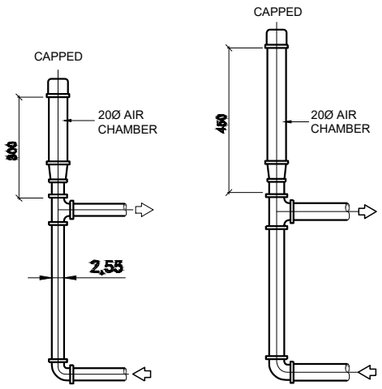
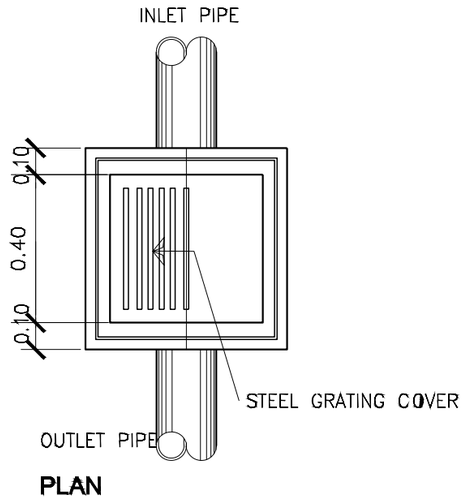


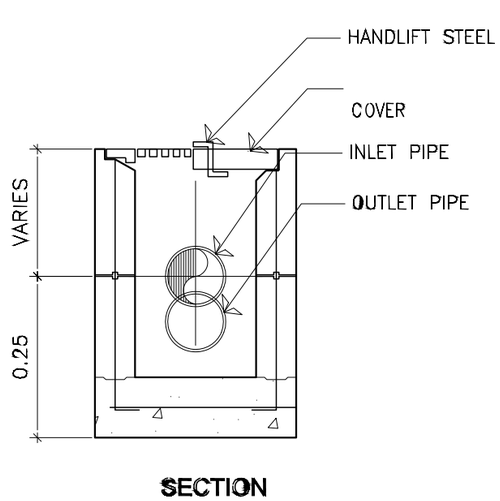
B P-03 **GCO/FCO/FLOOR DRAIN DETAIL**
SCALE NTS



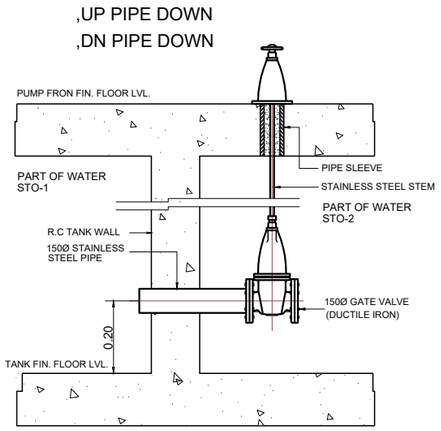
C P-03 **AIR-CHAMBER DETAIL**
SCALE NTS.



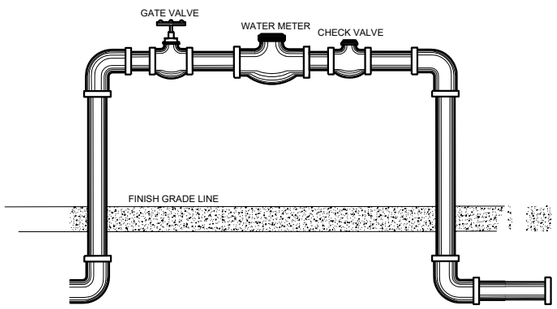
PLAN



SECTION



D P-03 **EQUALIZING VALVE DETAIL**
SCALE NTS.



E P-03 **WATER METER DETAIL**
SCALE NTS.

A P-03 **AREA DRAIN/CATCH BASIN DETAIL**
SCALE NTS

SOUTHERN LEYTE STATE UNIVERSITY Main Campus, San Roque, Sogod, Southern Leyte Email: president@southernleytestateu.edu.ph Website: www.southernleytestateu.edu.ph Excellence | Service | Leadership and Good Governance | Innovation | Social Responsibility | Integrity | Professionalism | Spirituality	PREPARED BY : EDGARDO C. PONTOD DRAFTING AIDE-OJT MARJORIE G. ELEJORDE AR. JEAMES PAUL EVANGELISTA, UAP ARCHITECT ENGR. RYAN A. MACUTO, GREEEN ADP+AA LUDIP Head Designate	PROJECT : CONSTRUCTION OF 3-STOREY, 30 ROOMS APARTELLE DE SLSU PHASE I ADDRESS: SLSU-MAIN CAMPUS, SAN ROQUE, SOGOD SOUTHERN LEYTE	OWNER : SOUTHERN LEYTE STATE UNIVERSITY ADDRESS: SLSU-MAIN CAMPUS, SAN ROQUE, 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. P-03 PROJ. NO.

GENERAL NOTES:

1. ALL PLUMBING WORKS HEREIN SHALL BE EXECUTED ACCORDING 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 PLANNING UTILITIES SHALL CONFORM TO THE ACTUAL LOCATION, DEPTH AND ELEVATIONS OF ALL EXISTING PIPES AND STRUCTURES AS VERIFIED BY THE CONTRACTOR.
5. THE PLANNING CONTRACTOR SHALL VERIFY ALL EXISITING 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 AND FITTINGS. PN 20."PILSATERM" PIPES MADE IN GERMANY, DISTRIBUTED BY MIRAGA TRADE CENTER.
9. DRAWINGS ARE DIAGRAMATIC AND DO NOT SHOW ALL OFFSETS, BENDS, ELBOWS ETC. WHICH MAYBE REQUIRED FOR PROPER INSTALLATION OF WORKS. SUCH 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.

MATERIALS 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 FITTINGS, SERIES 1000 FOR 50mm dia. MANUFACTURED BY NELTEX OR ANY APPROVED EQUIVALENT.
COLD WATER LINE	"PILSATERM" (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 :

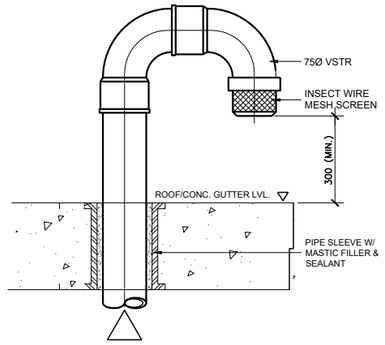
1. PROVIDE PIPE SLEEVES, CLAMPS, AND PIPE SADDLES WHERE NECESSARY.
2. REFER TO ARCHITECT FOR WATER PROOFING SPECIFICATIONS.
3. ALL FIXTURES SHALL BE VENTED, UNLESS OTHERWISE INCICATED.
4. REFER TO STRUCTURAL ENGINEER FOR METAL REINFORCING BARS, SLABS,

FIXTURE CONNECTION SIZE SCHEDULE

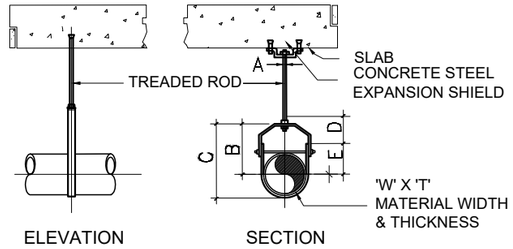
SYMBOL	FIXTURE	MINIMUM PIPE CONNECTION			REMARKS
		WASTE/SOIL (MM)	VENT PIPE (MM)	WATER PIPE (MM)	
WC	WATER CLOSET	100Ø	50Ø	25Ø	
URI	URINAL	50Ø	50Ø	15Ø	
LAV	LAVATORY	50Ø	50Ø	15Ø	
KS	KITCHEN SINK	50Ø	50Ø	15Ø	
SHO	SHOWER HEAD	---	---	15Ø	
FD	FLOOR DRAIN	50Ø	50Ø	---	

LEGEND :

FD	FLOOR DRAIN
WC	WATER CLOSET
LAV	LAVATORY
GV	GATE VALVE
CO	CLEAN OUT
URI	URINAL
HT	HEATER
CV	CHECK VALVE



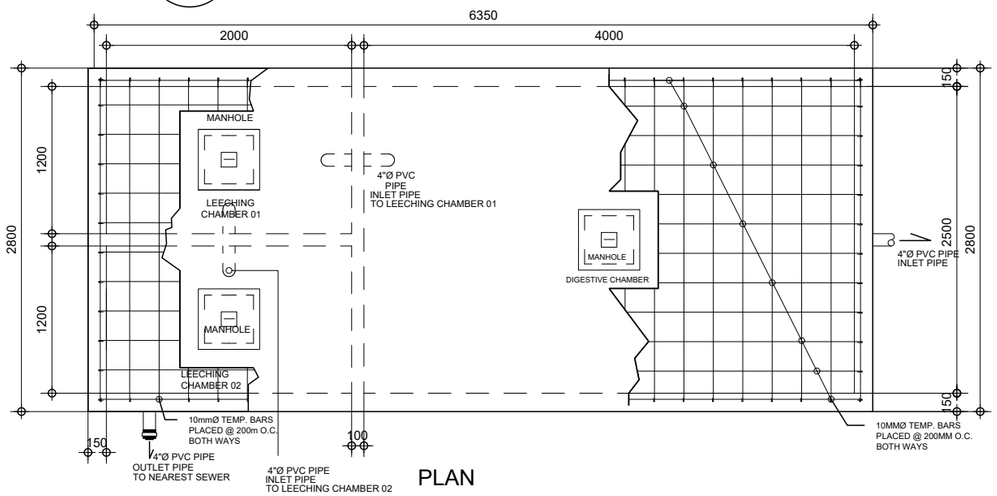
B P-04 VSTR DETAIL
SCALE NTS.



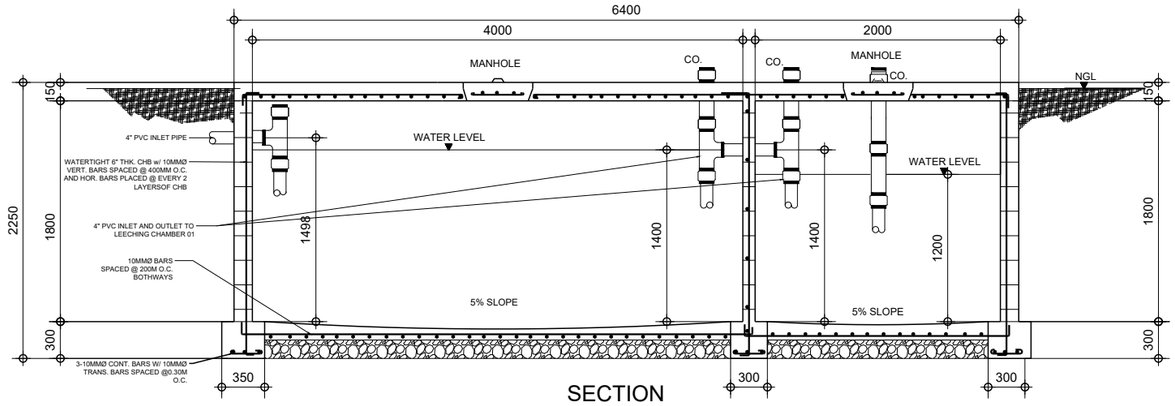
SCHEDULE OF PIPE HANGER

PIPE SIZE (MM)	SIZE OF STEEL		A	B	C	D	E	ADJUSTMENT F
	UPPER	LOWER						
50Ø	3 X 25	4.5 X 25	6 X 12	100	145	81	76	65
65Ø	3 X 25	4.5 X 25	6 X 12	101	150	81	76	65
75Ø	3 X 25	4.5 X 25	6 X 12	105	151	75	76	26
90Ø	3 X 25	4.5 X 25	6 X 12	110	150	51	100	26
100Ø	4.5 X 25	4.5 X 25	6 X 12	140	195	81	106	27
150Ø	4.5 X 25	4.5 X 25	6 X 12	145	210	90	110	27

A P-04 ADJUSTABLE CLEVIS HANGER DETAIL
SCALE NTS.



PLAN



SECTION

C P-04 SEPTIC TANK DETAILS
SCALE 1:50M

SOUTHERN LEYTE STATE UNIVERSITY
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PREPARED BY :		PROJECT :	OWNER :	APPROVED AS PER PLAN :	SHEET CONTENT	SHEET NO.
EDGARDO C. PONTOD	AR. JEAMES PAUL EVANGELISTA, UAP	CONSTRUCTION OF 3-STOREY, 30 ROOMS APARTELLE DE SLSU PHASE I	SOUTHERN LEYTE STATE UNIVERSITY	JUDE A. DUARTE, DPA	AS SHOWN	P-04
ARCHITECT				UNIVERSITY PRESIDENT	CHECKED : / DRAWN : / SCALE	
MARJORIE G. ELEJORDE	ENGR. RYAN A. MACUTO, GREEEN ADP+AA	ADDRESS: SLSU-MAIN CAMPUS, SAN ROQUE, SOGOD SOUTHERN LEYTE	ADDRESS: SLSU-MAIN CAMPUS, SAN ROQUE, SOGOD SOUTHERN LEYTE		APPROVED : / DATE : / AS SHOWN @ 20x30	PROJ. NO.
DRAFTING AIDE-OJT	LUDIP Head Designate					

CONSTRUCTION NOTES

A. GENERAL

1. CONSTRUCTION NOTES AND TYPICAL DETAILS APPLY TO ALL DRAWINGS UNLESS OTHERWISE SHOWN OR NOTED. MODIFY TYPICAL DETAILS AS DIRECTED TO MEET SPECIAL CONDITIONS.
2. SHOP DRAWINGS WITH ERECTION AND PLACING DIAGRAMS OF ALL STRUCTURAL STEEL, MISCELLANEOUS IRON, PRE-CAST CONCRETE ETC. SHALL BE SUBMITTED FOR ENGINEER'S APPROVAL BEFORE FABRICATION.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS BEFORE ALL WORK IS TO BEGIN. CHECK WITH MECHANICAL AND ELECTRICAL CONTRACTORS FOR CONDUITS, PIPE SLEEVES, ETC. TO BE EMBEDDED IN CONCRETE.
4. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ADEQUATE SHORINGS AND BRACINGS OF THE STRUCTURE FOR ALL LOADS THAT MAYBE IMPOSED DURING CONSTRUCTION.

B. CONCRETE & REINFORCEMENT

1. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM WITH THE LATEST BULDING CODE OF AMERICAN CONCRETE INSTITUTE (ACI-318).
2. ALL CONCRETE SHALL DEVELOP A MINIMUM COMPRESSIVE STRENGTH AT THE END OF TWENTY EIGHT (28) DAYS WITH CORRESPONDING MAXIMUM SIZE AGGREGATE AND SLUMPS AS FOLLOWS :

LOCATION	28 DAYS STRENGTH	MAX. SIZE AGGREGATE	MAX. SLUMP
CURBS & SLAB ON GRADE	3000 PSI	1 IN. (25MM.)	4 IN. (100MM.)
FOUNDATION & RETAINING WALL	4000 PSI	3/4 IN. (19MM.)	4 IN. (100MM.)
COLUMN	4000 PSI	3/4 IN. (19MM.)	4 IN. (100MM.)
BEAMS & SLABS	4000 PSI	3/4 IN. (19MM.)	4 IN. (100MM.)

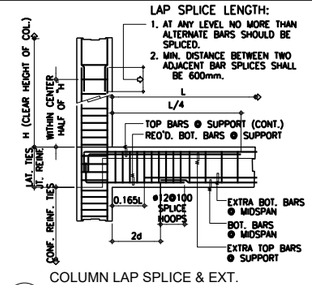
3. ALL REINFORCING BARS SHALL CONFORM TO ASTM A615 GRADE 60 FOR DIA. 12 AND LARGER BARS AND GRADE 40 FOR DIA. 10 AND SMALLER BARS.
4. IN GENERAL, THE LATEST EDITION OF ACI-315, MANUAL OF STANDARD PRACTICE DETAILING REINFORCED CONCRETE STRUCTURES SHALL BE ADHERED TO, UNLESS OTHERWISE SHOWN OR NOTED.
5. MAINTAIN MINIMUM CONCRETE COVER FOR REINFORCING STEEL AS FOLLOWS:
   - SUSPENDED SLABS ..... 3/4 IN. (19 MM.)
   - SLAB ON GRADE ..... 1 1/2 IN. (38 MM.)
   - WALLS ABOVE GRADE ..... 1 IN. (25 MM.)
   - BEAM STIRRUPS AND COLUMN TIES ..... 1 1/2 IN. (38 MM.)
   - WHERE CONCRETE IS EXPOSED TO EARTH BUT POURED AGAINST FORMS ..... 2 IN. (50 MM.)
   - WHERE CONCRETE IS DEPOSITED DIRECTLY AGAINST EARTH ..... 3 IN. (75 MM.)
6. SPLICES SHALL BE SECURELY WIRED TOGETHER AND SHALL LAP OR EXTEND IN ACCORDANCE WITH TABLE 1 (TABLE OF LAP SPLICE AND ANCHORAGE LENGTH) UNLESS OTHERWISE SHOWN ON DRAWINGS. SPLICES SHALL BE STAGGERED WHENEVER POSSIBLE.
7. ALL ANCHOR BOLTS, DOWELS, AND OTHER INSERTS, SHALL BE PROPERLY POSITIONED AND SECURED IN PLACE PRIOR TO PLACING OF CONCRETE.
8. CONTRACTOR SHALL NOTE AND PROVIDE ALL MISCELLANEOUS CURBS, SILLS, STOOLS, EQUIPMENTS, AND MECHANICAL BASES THAT ARE REQUIRED BY THE ARCHITECTURAL, ELECTRICAL, AND MECHANICAL DRAWINGS.
9. ALL CONCRETE SHALL BE KEPT MOIST FOR A MINIMUM OF SEVEN (7) CONSECUTIVE DAYS IMMEDIATELY AFTER POURING BY THE USE OF WET BURLAP, FOG SPRAYING, CURING COMPOUNDS OR OTHER APPROVED METHODS.
10. STRIPPING OF FORMS AND SHORES:
    - FOUNDATION ..... 24 HRS.
    - SUSPENDED SLAB EXCEPT WHEN ADDITIONAL LOADS ARE IMPOSED ..... 8 DAYS
    - WALLS ..... 18 HRS.
    - BEAMS ..... 14 DAYS

C. CAMBER REQUIREMENTS

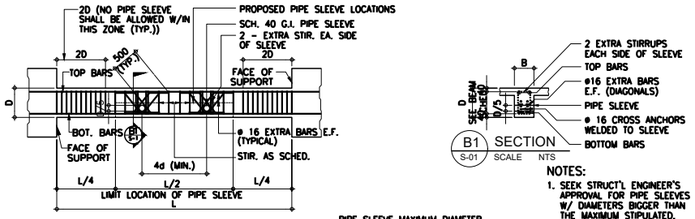
1. UNLESS OTHERWISE NOTED ON THE PLANS OR SPECIFICATIONS CAMBER ALL RC BEAMS AT LEAST 10mm. FOR EVERY 4000mm. OF CLEAR SPAN EXCEPT CANTILEVERS WHICH SHALL BE 50mm. FOR EVERY 3000mm. OF CLEAR SPAN.
2. UNLESS OTHERWISE NOTED IN PLANS OR SPECIFICATIONS, CAMBER ALL SLABS 8mm PER 3000mm. OF SHORTER SPAN AND 14mm. FOR EVERY 2000mm. OF SLABS CANTILEVER SPAN

D. FOUNDATION

1. FOUNDATION IS DESIGNED BASED ON THE ASSUMED ALLOWABLE SOIL BEARING CAPACITY OF 76kPa.
2. FOUNDATION SHALL REST ON NATURAL SOIL. UNLESS OTHERWISE NOTED BY THE ENGINEER, NO PART OF THE FOUNDATION SHALL REST ON FILL.
3. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AFTER FOOTING EXCAVATION HAVE BEEN COMPLETED AND PRIOR TO CONCRETING TO CONFIRM THE DESIGN SOIL BEARING CAPACITY.



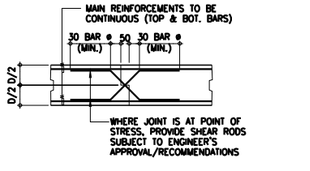
A S-01 COLUMN LAP SPLICE & EXT. GIRDER TO COLUMN CONNECTION DET. SCALE NTS



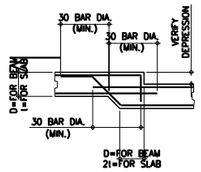
B S-01 PIPE SLEEVE THRU BEAM DETAIL SCALE NTS

B1 S-01 SECTION SCALE NTS

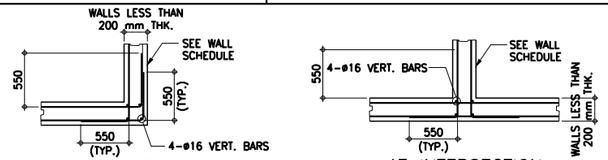
NOTES:
1. SEEK STRUCT'L ENGINEER'S APPROVAL FOR PIPE SLEEVES W/ DIAMETERS BIGGER THAN THE MAXIMUM STIPULATED.
2. PIPE SLEEVES SHALL BE LOCATED WITHIN TENSION ZONES OF BEAM.
3. NO PIPE SLEEVE SHALL BE ALLOWED AT TWICE THE BEAM DEPTH (2D) FROM THE SUPPORT.



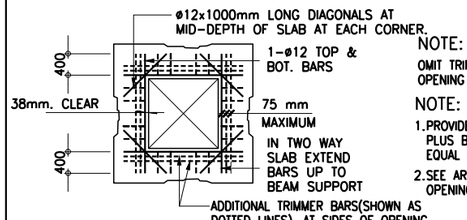
C S-01 BEAM CONSTRUCTION JOINT DET. SCALE NTS



D S-01 BEAM/SLAB CHANGE SOFFIT DET. SCALE NTS



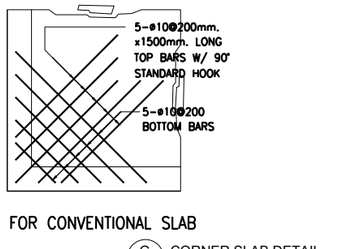
E S-01 WALL CONNECTION AT INTERSECTION SCALE NTS



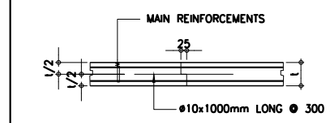
NOTE:
OMIT TRIMMER BARS WHERE OPENING IS FRAMED BY BEAMS.

NOTE:
1. PROVIDE THESE ADDITIONAL BARS FOR ALL OPENINGS PLUS BARS (SHOWN AS DOTTED LINES) PARALLEL TO SIDE OF OPENING EQUAL TO THE NUMBER OF INTERRUPTED BARS BY THE OPENING.
2. SEE ARCHITECTURAL & MECHANICAL PLANS FOR SLAB OPENING LOCATION.

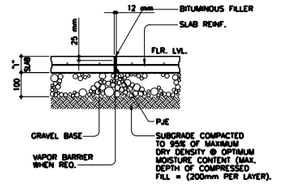
F S-01 SLAB OPENING DETAIL SCALE NTS



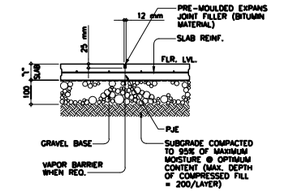
G S-01 CORNER SLAB DETAIL SCALE NTS



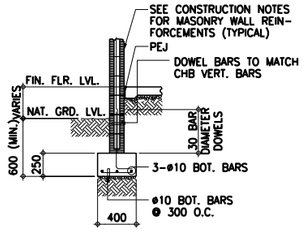
H S-01 SUSPENDED SLAB CONSTRUCTION JOINT DETAIL SCALE NTS



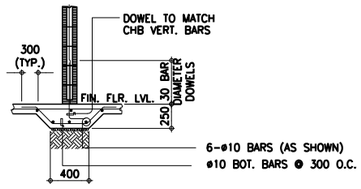
I S-01 SLAB-ON-GRADE CONSTRUCTION JOINT DETAIL SCALE NTS



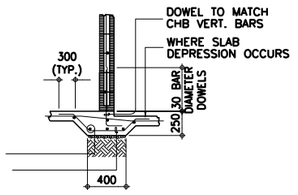
J S-01 SLAB-ON-GRADE EXPANSION JOINT DETAIL SCALE NTS



WF-1
AT EDGE/PERIMETER CHB WALL

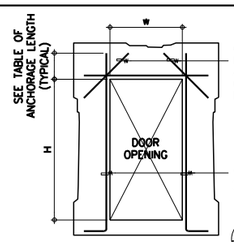


WF-2
AT INTERIOR CHB WALLS

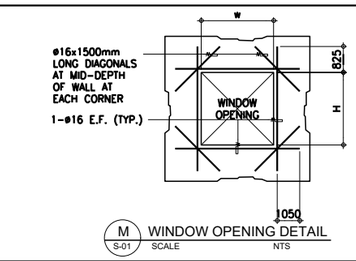


WF-3
AT INTERIOR WALLS WITH SLAB ELEVATION DIFFERENCE

K S-01 WALL FOOTING DETAILS (WHERE APPLICABLE) SCALE NTS



L S-01 DOOR OPENING DETAIL SCALE NTS



M S-01 WINDOW OPENING DETAIL SCALE NTS

TABLE OF LAP SPLICE

PARAMETERS

f'c	3000 psi		20.7 MPa		fy	60000 psi / 40000 psi		414 MPa / 276 MPa		12 mm & HIGHER / 10 mm & LOWER		ACI 318-08 DEV'T & SPLICE LENGTH
Stirrup (mm)	ANCHORAGE LENGTH (mm)	Lah(mm)	STANDARD HOOK (mm)				BEAM COMP. SPLICE (mm)	TENSION LAP SPLICE (mm)				Unit Wt. (kg/m)
			MAIN REINF.		STIRRUP & TIE			LAP CLASS	BEAM		COLUMN		
			90°	180°	90°	135°			TOP BAR	BOTTOM BAR	TIED	SPIRAL	
10	360	150	150	110	80	90	300	A	360	300	300	300	0.616
								B	470	380			
12	650	180	190	120	110	120	350	A	650	500	420	380	0.888
								B	840	650			
16	860	240	250	130	140	150	460	A	860	660	550	500	1.579
								B	1120	860			
20	1080	300	300	160	300	210	560	A	1080	830	690	630	2.466
								B	1400	1080			
25	1680	370	380	200	380	260	720	A	1680	1280	1070	980	3.854
								B	2150	1660			
28	1860	410	430	260	-	-	810	A	1860	1430	1190	1080	4.833
								B	2410	1860			
32	2120	470	490	290	-	-	930	A	2120	1630	1360	1230	6.313
								B	2750	2120			
36	2380	530	550	330	-	-	1040	A	2380	1840	1530	1380	7.991
								B	3100	2380			

PARAMETERS

f'c	4000 psi		27.6 MPa		fy	60000 psi / 40000 psi		414 MPa / 276 MPa		12 mm & HIGHER / 10 mm & LOWER		ACI 318-08 DEV'T & SPLICE LENGTH
Stirrup (mm)	ANCHORAGE LENGTH (mm)	Lah(mm)	STANDARD HOOK (mm)				BEAM COMP. SPLICE (mm)	TENSION LAP SPLICE (mm)				Unit Wt. (kg/m)
			MAIN REINF.		STIRRUP & TIE			LAP CLASS	BEAM		COLUMN		
			90°	180°	90°	135°			TOP BAR	BOTTOM BAR	TIED	SPIRAL	
10	310	150	150	110	80	90	300	A	310	300	300	300	0.616
								B	410	310			
12	560	180	190	120	110	120	350	A	560	430	360	330	0.888
								B	730	560			
16	750	210	250	130	140	150	460	A	750	580	490	440	1.579
								B	970	750			
20	930	260	300	160	300	210	560	A	930	720	600	540	2.466
								B	1210	930			
25	1440	320	380	200	380	260	720	A	1440	1110	930	840	3.854
								B	1870	1440			
28	1610	360	430	260	-	-	810	A	1610	1240	1030	930	4.833
								B	2090	1610			
32	1840	410	490	290	-	-	930	A	1840	1410	1180	1060	6.313
								B	2390	1840			
36	2070	460	550	330	-	-	1040	A	2070	1590	1320	1200	7.991
								B	2680	2070			

NOTES:
1. DEVELOPMENT LENGTH OF INDIVIDUAL BARS WITHIN A BUNDLE, IN TENSION OR COMPRESSION, SHALL BE THAT FOR INDIVIDUAL BARS, INCREASED 20% FOR THREE-BUNDLED AND 33% FOR FOUR-BUNDLED BARS.
2. FOR COLUMNS AT ANY LEVEL, NO MORE THAN ALTERNATE BARS SHOULD BE SPLICED, NOTMORE THAN 33% OF THE BARS SHALL BE SPLICED WITHIN THE REQUIRED LAP LENGTH, MINIMUM DISTANCE BETWEEN TWO ADJACENT SPLICED SHALL BE 600mm.
3. TOP BARS ARE HORIZONTAL BARS WITH MORE THAN 300mm DEPTH OF CONCRETE CAST BELOW REINFORCEMENT.
4. LAP SPLICE SHALL BE "CLASS B" TENSION LAP SPLICE IF MORE THAN ONE HALF OF THE BARS WERE SPLICED AT ANY SECTION, WHILE "CLASS A" TENSION LAP SPLICE IF HALF OR FEWER THAN HALF OF BARS WERE SPLICED.

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PROJECT : CONSTRUCTION OF 3-STOREY, 30 ROOMS APARTELLE DE SLSU PHASE I
ADDRESS: SLSU-MAIN CAMPUS, SAN ROQUE, SOGOD SOUTHERN LEYTE

OWNER : SOUTHERN LEYTE STATE UNIVERSITY
ADDRESS: SLSU-MAIN CAMPUS, SAN ROQUE, SOGOD SOUTHERN LEYTE

APPROVED AS PER PLAN :
JUDE A. DUARTE, DPA
UNIVERSITY PRESIDENT

SHEET CONTENT: AS SHOWN
SHEET NO.: S-01
CHECKED : | DRAWN : | SCALE : AS SHOWN @ 20x30
APPROVED : | DATE : | PROJ. NO.

NOTES ON MASONRY AND CONCRETE BLOCKS

1. ALL NON-LOAD BEARING TYPE CONCRETE BLOCKS SHALL HAVE A UNIT WEIGHT NOT TO EXCEED 80 PCF. FOR LOAD BEARING TYPE CONCRETE BLOCKS, A MINIMUM COMPRESSIVE STRENGTH OF 6.90 MPA. (1,000 PSI) SHALL BE DEVELOPED.
2. PROVIDE 1-ø16 EXTRA VERTICAL BARS AT CORNERS, INTERSECTIONS, END OF WALLS, AND EACH SIDE OF OPENINGS AS SHOWN.
3. LINTEL BEAMS OR LINTEL BLOCKS SHALL BEAR AT LEAST 8 INCHES (200 MM.) ON EACH SIDE OF MASONRY WALL OPENING.
4. WALL REINFORCEMENTS SHALL BE AS FOLLOWS:

WALL THICKNESS	VERTICAL REINFORCEMENT	HORIZONTAL REINFORCEMENT
8 IN. (200 MM.)	ø12 @ 400 MM.	ø 10 @ 600 MM.
6 IN. (150 MM.)	ø10 @ 400 MM.	ø 10 @ 600 MM.
4 IN. (100 MM.)	ø10 @ 400 MM.	ø 10 @ 600 MM.

5. BLOCK WALL REINFORCING BARS SHALL BE LAPPED A MINIMUM OF 30 BAR DIAMETERS WHERE SPLICED. HORIZONTAL/VERTICAL DOWELS FROM FOOTINGS, COLUMNS/WALLS OR SLABS SHALL EXTEND INTO THE BLOCK WALL A MINIMUM OF 30 BAR DIAMETERS OR A MINIMUM OF 400 mm, WHICHEVER IS LONGER AND DOWELS TO MATCH VERTICAL REINFORCEMENTS OF WALL.
6. ALL CELLS CONTAINING REINFORCING BARS OR INSERTS SHALL BE SOLIDLY FILLED WITH CONCRETE GROUT. (REFER TO SPECIFICATIONS)
7. RC WALL REINFORCEMENTS SHALL BE AS FOLLOWS:

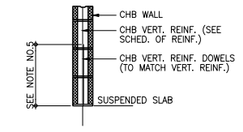
WALL THICKNESS	VERTICAL REINFORCEMENT	HORIZONTAL REINFORCEMENT	LOCATION
8 IN. (200 MM.)	ø12 @ 200 MM.	ø 10 @ 300 MM.	CENTER
6 IN. (150 MM.)	ø10 @ 200 MM.	ø 10 @ 300 MM.	CENTER
4 IN. (100 MM.)	ø10 @ 200 MM.	ø 10 @ 300 MM.	CENTER

NOTE:
1. VERTICAL REINFORCING SHALL BE CONTINUOUS FROM STRUCTURAL LEVEL TO STRUCTURAL LEVEL; UNLESS OTHERWISE NOTED.
2. HORIZONTAL SPACING SHALL START AN END NOT MORE THAN 1/2 THE SCHEDULE SPACING.
3. SPLICES IN HORIZONTAL REINFORCEMENT SHALL BE STAGGERED. SPLICES IN TWO CURTAINS SHALL NOT OCCUR IN THE SAME LOCATION.
4. THIS TABLE APPLIES TO WALLS WHICH ARE ARCHITECTURALLY EXPOSED TO VIEW.
5. TENSION SPLICES SHALL BE AS FOR SEISMIC TENSION SPLICES.

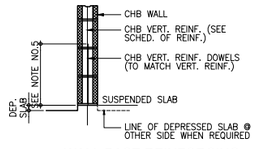
REINFORCING CONCRETE LINTEL BEAM IN CONCRETE BLOCK WALLS

LINTELS IN BLOCK WALLS

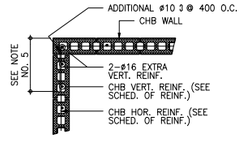
CLEAR SPAN ("L")	TOTAL LENGTH (L+0.40M)	MIN. f'c' (MPa)	HEIGHT OF LINTEL (MM)	REINFORCEMENT		
				BOTTOM	TOP	STIRRUPS
1.20M	1.60M	14.0	200	1-ø10	1-ø10	ø6mm @ 200mm
1.50M	1.90M		200	1-ø10	1-ø10	ø6mm @ 200mm
1.80M	2.20M		200	1-ø12	1-ø10	ø6mm @ 200mm
2.10M	2.50M	17.0	250	1-ø12	1-ø10	ø6mm @ 200mm
2.40M	2.90M		250	1-ø12	1-ø10	ø6mm @ 200mm
2.70M	3.10M		250	1-ø16	1-ø12	ø10mm @ 200mm
3.00	3.40M	20.0	300	1-ø16	1-ø12	ø10mm @ 200mm
3.30	3.70M		300	1-ø16	1-ø12	ø10mm @ 200mm
3.60	4.00		300	1-ø20	1-ø12	ø10mm @ 200mm



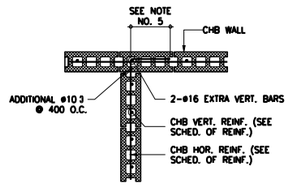
A S-02 WALL BASE REINFORCING AT FLAT FLOOR — SCALE NTS



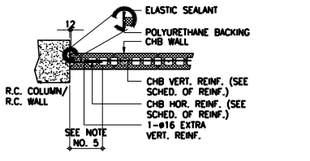
B S-02 WALL BASE REINFORCING AT FLOOR WITH DEPRESSION — SCALE NTS



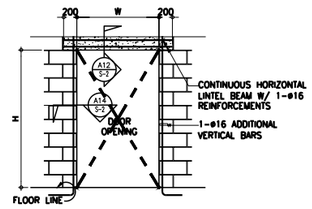
C S-02 WALL REINFORCING AT CORNER — SCALE NTS



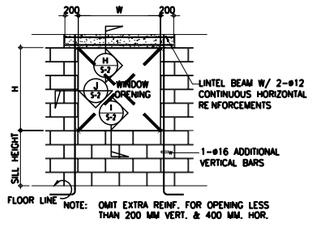
D S-02 WALL REINFORCING AT INTERSECTION — SCALE NTS



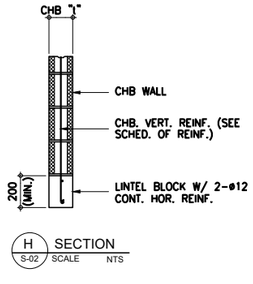
E S-02 WALL REINFORCING AT R.C. COLUMN/WALL — SCALE NTS



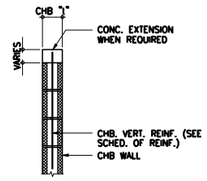
F S-02 DOOR OPENING ELEVATION — SCALE NTS



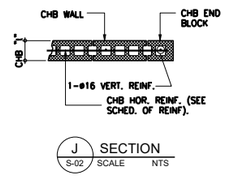
G S-02 WINDOW OPENING ELEVATION — SCALE NTS



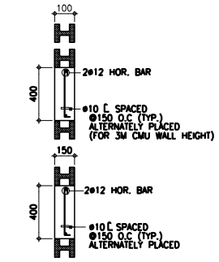
H S-02 SECTION — SCALE NTS



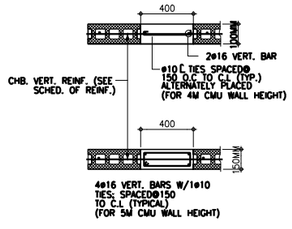
I S-02 SECTION — SCALE NTS



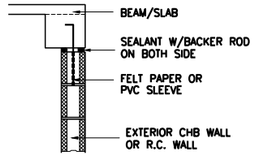
J S-02 SECTION — SCALE NTS



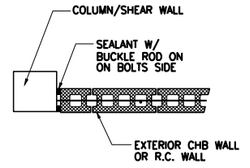
K S-02 TYPICAL CHB STIFFENER BEAM DETAIL — SCALE NTS



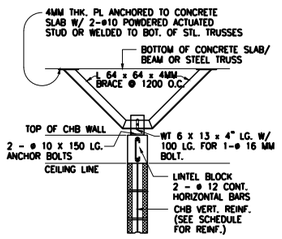
L S-02 TYPICAL CHB STIFFENER COLUMN DETAIL — SCALE NTS



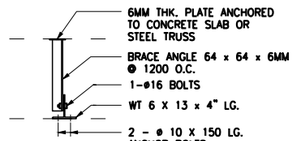
M S-02 EXTERIOR WALL SUPPORT AT BOTTOM OF BEAM/SLAB SOFFIT — SCALE NTS



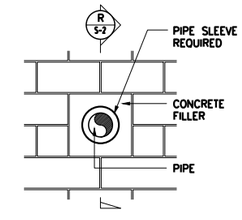
N S-02 EXTERIOR WALL SUPPORT AT COLUMN/SHEAR WALL — SCALE NTS



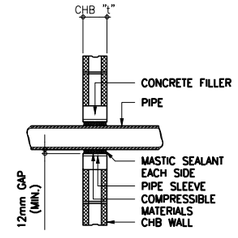
O S-02 WALL TOP SUPPORT IN AREAS WITH DROPPED CEILINGS — SCALE NTS



P S-02 SECTION — SCALE NTS



Q S-02 PIPE SLEEVE THRU WALL — SCALE NTS



R S-02 SECTION — SCALE NTS

NOTES ON STRUCTURAL STEEL

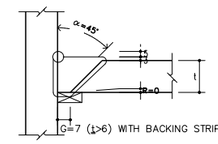
1. STRUCTURAL STEEL TO BE USED FOR FABRICATION AND ERECTION OF THIS STRUCTURE SHALL COMPLY WITH ALL THE PERTINENT PROVISION OF AISC SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDING LATEST EDITION.
2. ALL STRUCTURAL STEEL SHAPES SHALL CONFORM TO ASTM A36 STRUCTURAL STEEL UNLESS OTHERWISE INDICATED.
3. ALL WELDED CONNECTIONS SHALL DEVELOP THE FULL STRENGTH OF THE MEMBERS CONNECTED
4. UNLESS OTHERWISE SPECIFIED ALL WELDING RODS SHALL CONFORM AWS E60 ELECTRODES.
5. ALL BOLTS USED UNLESS OTHERWISE SPECIFIED SHALL BE ASTM A 307 BOLTS.

NOTES ON WELDS

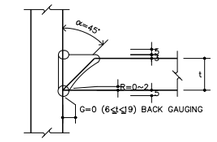
1. USE E70xx ELECTRODES FOR ALL MEMBERS WELDED.
2. WELDS SHALL DEVELOP THE FULL STRENGTH OF MEMBERS JOINED UNLESS OTHERWISE SHOWN OR DETAILED IN THE DRAWINGS.

NOTE

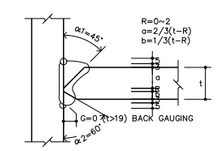
UNLESS OTHERWISE SHOWN ON DETAILED DRAWING, THE FOLLOWING WELDING METHOD SHALL BE USED.



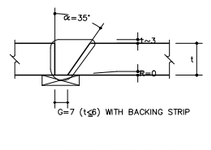
"T" SHAPE (BACKING STRIP)



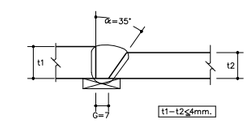
"T" SHAPE (GAUGING)



"T" SHAPE (K-GROOVE)



"—" SHAPE (SAME PL THK.)



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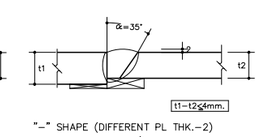
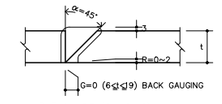
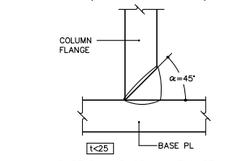


"—" SHAPE (DIFFERENT PL THK.-2)

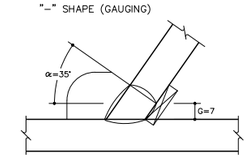


"—" SHAPE (GAUGING)

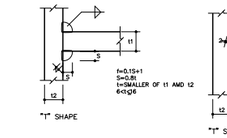


BASE PL AND COLUMN FLANGE

S S-02 BUTT WELDING DET. — SCALE NTS

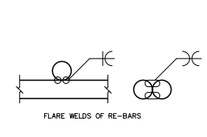


"⊿" SHAPE



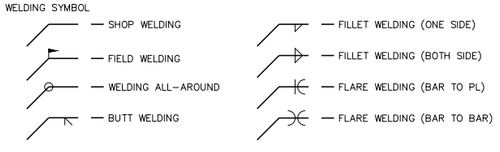
"T" SHAPE

"T" SHAPE (K-TYPE)



T S-02 FILLET WELD DET. — SCALE NTS

WELDING SYMBOL



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Website: www.southernleytestateu.edu.ph
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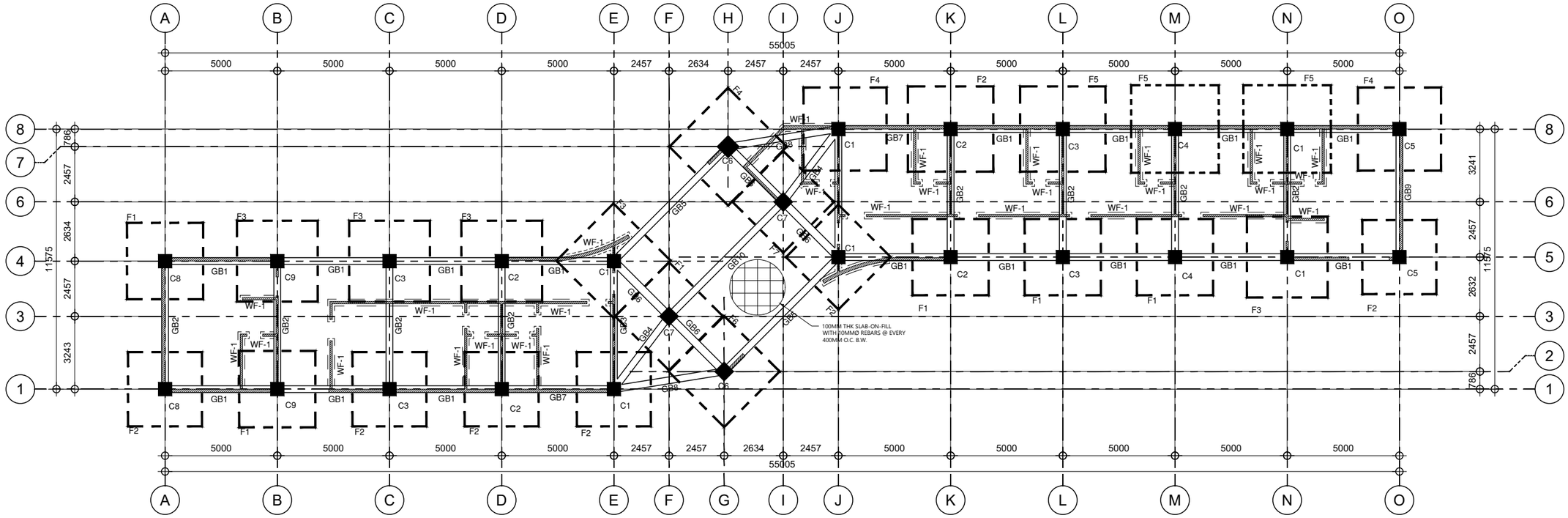
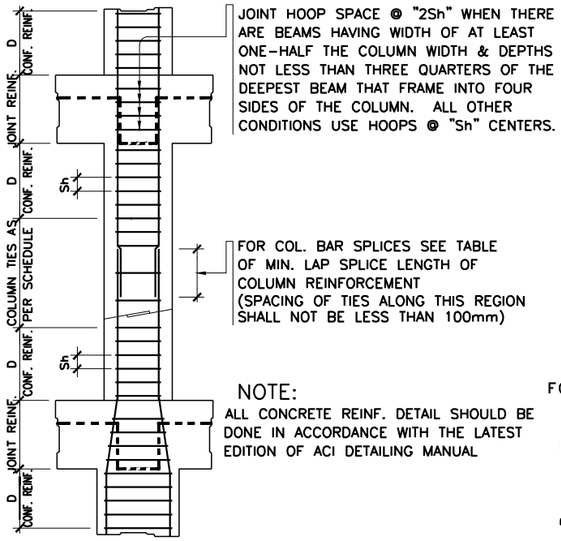
PREPARED BY :		PROJECT :	OWNER :	APPROVED AS PER PLAN :	SHEET CONTENT	SHEET NO.
HAZEL G. OBORDO	AR. JEAMES PAUL EVANGELISTA, UAP	CONSTRUCTION OF 3-STOREY, 30 ROOMS APARTELLE DE SLSU PHASE I	SOUTHERN LEYTE STATE UNIVERSITY	JUDE A. DUARTE, DPA	AS SHOWN	S-02
MARK CIELO A. UYPALA	ENGR. RYAN A. MACUTO, M.IABSE	ADDRESS: SLSU-MAIN CAMPUS, SAN ROQUE, SOGOD SOUTHERN LEYTE	ADDRESS: SLSU-MAIN CAMPUS, SAN ROQUE, SOGOD SOUTHERN LEYTE	UNIVERSITY PRESIDENT	CHECKED : / DRAWN : / SCALE : AS SHOWN @ 20x30	PROJ. NO.
DRAFTING AIDE-OJT	LUDIP Head Designate				APPROVED : / DATE :	

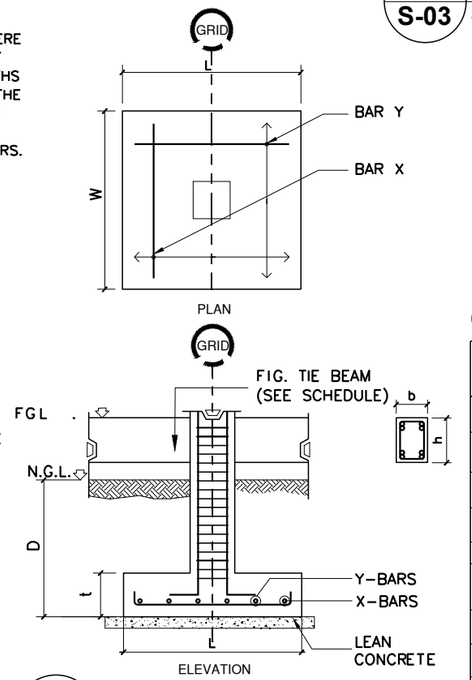


A FOUNDATION PLAN
S-03 SCALE 1:200M



TYPICAL COLUMN ELEV. SHOWING DOWELS AND TIES SPACING

B TYPICAL COLUMN DETAIL
S-03 SCALE NTS



C TYPICAL FOOTING DETAIL
S-03 SCALE NTS

FOOTING SCHEDULE

FOOTING	C21:Fy276	BOT X-DIR	20MMØ @ 140 C.O.	20MMØ @ 135 C.O.	20MMØ @ 135 C.O.	20MMØ @ 140 C.O.	20MMØ @ 140 C.O.	20MMØ @ 135 C.O.	20MMØ @ 135 C.O.
		BOT Y-DIR	20MMØ @ 140 C.O.	20MMØ @ 135 C.O.	20MMØ @ 135 C.O.	20MMØ @ 140 C.O.	20MMØ @ 140 C.O.	20MMØ @ 135 C.O.	20MMØ @ 135 C.O.
		TOP X-DIR	-	-	-	-	-	-	-
		TOP Y-DIR	-	-	-	-	-	-	-
		D	2000	2000	2000	2000	2000	2000	2000
		t	700	700	700	700	700	700	700
		SIZE	3400 x 3400	3300 x 3300	3600 x 3600	3700 x 3700	3900 x 3900	3500 x 3500	3200 x 3200
LEAN CONCRETE	C15	150 THK	3700 x 3700	3600 x 3600	3900 x 3900	4000 x 4000	4100 x 4100	3800 x 3800	3500 x 3500
FOOTING MARKED			F1	F2	F3	F4	F5	F6	F7

GRADE BEAM SCHEDULE (C25 : Fy276 (MAIN) : Fy227 (SHEAR))

BEAM NUMBERS	SIZE		BOTTOM REINFORCEMENT			TOP REINFORCEMENT			SHEAR STIRRUPS			SFR	DIAGONAL	REMARKS
	B	D	LEFT	MID SPAN	RIGHT	LEFT	MID SPAN	RIGHT	LEFT	MID SPAN	RIGHT			
GB1	300	500	4-16MMØ 4-12MMØ	4-16MMØ	4-16MMØ 4-12MMØ	3-20MMØ 3-20MMØ	3-20MMØ	3-20MMØ 3-20MMØ	16-2L-12MMØ@70C.O.	20-2L-12MMØ@115C.O.	16-2L-12MMØ@70C.O.	2-16MMØ EF	-	-
GB2	300	500	4-16MMØ 4-16MMØ	4-16MMØ 2-16MMØ	4-16MMØ 4-16MMØ	3-25MMØ 3-20MMØ	3-25MMØ	3-25MMØ 3-20MMØ	13-2L-12MMØ@90C.O.	29-2L-12MMØ@105C.O.	13-2L-12MMØ@90C.O.	-	-	-
GB3	300	500	4-16MMØ 2-12MMØ	4-16MMØ	4-16MMØ 2-12MMØ	3-20MMØ 3-20MMØ	3-20MMØ	3-20MMØ 3-20MMØ	16-2L-10MMØ@70C.O.	34-2L-10MMØ@90C.O.	16-2L-10MMØ@70C.O.	-	-	-
GB4	300	500	4-16MMØ 4-16MMØ	4-16MMØ	4-16MMØ 4-16MMØ	3-25MMØ	3-25MMØ	3-25MMØ	12-2L-12MMØ@95C.O.	12-2L-12MMØ@105C.O.	12-2L-12MMØ@95C.O.	2-16MMØ EF	-	-
GB5	300	500	4-16MMØ	4-16MMØ	4-16MMØ	4-25MMØ	4-25MMØ	4-25MMØ	14-2L-10MMØ@80C.O.	46-2L-10MMØ@95C.O.	14-2L-10MMØ@80C.O.	-	-	-
GB6	350	600	5-16MMØ 5-16MMØ 3-12MMØ	5-16MMØ 2-16MMØ	5-16MMØ 5-16MMØ 2-12MMØ	5-25MMØ 5-16MMØ 5-12MMØ	5-25MMØ	5-25MMØ 5-16MMØ 4-12MMØ	19-4L-10MMØ@70C.O.	2-4L-10MMØ@90C.O.	19-4L-10MMØ@70C.O.	-	-	-
GB7	300	500	4-16MMØ 2-12MMØ	4-16MMØ	4-16MMØ 4-16MMØ	3-25MMØ 3-25MMØ	3-25MMØ	3-25MMØ 3-25MMØ	16-2L-12MMØ@70C.O.	20-2L-12MMØ@100C.O.	16-2L-12MMØ@85C.O.	2-16MMØ EF	-	-
GB8	300	500	3-25MMØ 3-25MMØ	3-25MMØ	3-25MMØ 3-25MMØ	3-25MMØ 3-25MMØ	3-25MMØ	3-25MMØ 3-25MMØ	14-2L-12MMØ@80C.O.	29-2L-12MMØ@80C.O.	14-2L-12MMØ@80C.O.	-	-	-
GB9	300	500	3-20MMØ 3-20MMØ	3-20MMØ	3-20MMØ 3-20MMØ	3-25MMØ 2-25MMØ	3-25MMØ	3-25MMØ 2-25MMØ	13-2L-12MMØ@85C.O.	30-2L-12MMØ@100C.O.	13-2L-12MMØ@85C.O.	-	-	-
GB10	300	500	4-16MMØ 4-12MMØ	4-16MMØ	4-16MMØ 2-12MMØ	3-25MMØ	3-25MMØ	3-25MMØ	16-2L-10MMØ@70C.O.	29-2L-10MMØ@150C.O.	16-2L-10MMØ@70C.O.	-	-	-

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OWNER :
SOUTHERN LEYTE STATE UNIVERSITY
ADDRESS: SLSU-MAIN CAMPUS, SAN ROQUE, SOGOD SOUTHERN LEYTE

APPROVED AS PER PLAN :
JUDE A. DUARTE, DPA
UNIVERSITY PRESIDENT

SHEET CONTENT
AS SHOWN

SHEET NO.
S-03

CHECKED :
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DATE :
SCALE
AS SHOWN @ 20x30
PROJ. NO.

LEVEL	ITEM	C1	C2	C3	C4	C5	C6	C7	C8	C9
THIRD FLOOR LEVEL TO SECOND FLOOR LEVEL	Specification	C28 : Fy276 (M) : Fy227 (S) , COVER = 40mm CONFINING ZONE = L/3	C28 : Fy276 (M) : Fy227 (S) , COVER = 40mm CONFINING ZONE = L/3	C28 : Fy276 (M) : Fy227 (S) , COVER = 40mm CONFINING ZONE = L/3	C28 : Fy276 (M) : Fy227 (S) , COVER = 40mm CONFINING ZONE = L/3	C28 : Fy276 (M) : Fy227 (S) , COVER = 40mm CONFINING ZONE = L/3	C28 : Fy276 (M) : Fy227 (S) , COVER = 40mm CONFINING ZONE = L/3	C28 : Fy276 (M) : Fy227 (S) , COVER = 40mm CONFINING ZONE = L/3	C28 : Fy276 (M) : Fy227 (S) , COVER = 40mm CONFINING ZONE = L/3	C28 : Fy276 (M) : Fy227 (S) , COVER = 40mm CONFINING ZONE = L/3
	Z1 MAIN LINK	#12 @ 100	#12 @ 100	#12 @ 100	#12 @ 100	#12 @ 100	#10 @ 75	#12 @ 100	#12 @ 100	#12 @ 100
	Z1 OTHERS	#10 @ 100	#10 @ 100	#10 @ 100	#10 @ 100	#10 @ 100	#10 @ 75	#10 @ 100	#10 @ 100	#10 @ 100
	Z2 LINKS	#10 @ 125	#10 @ 125	#10 @ 125	#10 @ 125	#10 @ 125	#10 @ 150	#10 @ 150	#10 @ 100	#10 @ 125
	Section	600 x 600	600 x 600	600 x 600	600 x 600	600 x 600	600 x 600	600 x 600	600 x 600	600 x 600
	Legend	⊗25MMØ ○20MMØ	○20MMØ	○20MMØ	○20MMØ	⊗25MMØ ○20MMØ	○20MMØ ✱16MMØ	⊗25MMØ ○20MMØ	⊗25MMØ ○20MMØ	○20MMØ
	Main bars	12-25MMØ + 4-20MMØ	16-20MMØ	16-20MMØ	16-20MMØ	4-25MMØ + 12-20MMØ	4-20MMØ + 12-16MMØ	4-25MMØ + 12-20MMØ	4-25MMØ + 12-20MMØ	16-20MMØ
SECOND FLOOR LEVEL TO GRADE LINE	Specification	C28 : Fy276 (M) : Fy227 (S) , COVER = 40mm CONFINING ZONE = L/3	C28 : Fy276 (M) : Fy227 (S) , COVER = 40mm CONFINING ZONE = L/3	C28 : Fy276 (M) : Fy227 (S) , COVER = 40mm CONFINING ZONE = L/3	C28 : Fy276 (M) : Fy227 (S) , COVER = 40mm CONFINING ZONE = L/3	C28 : Fy276 (M) : Fy227 (S) , COVER = 40mm CONFINING ZONE = L/3	C28 : Fy276 (M) : Fy227 (S) , COVER = 40mm CONFINING ZONE = L/3	C28 : Fy276 (M) : Fy227 (S) , COVER = 40mm CONFINING ZONE = L/3	C28 : Fy276 (M) : Fy227 (S) , COVER = 40mm CONFINING ZONE = L/3	C28 : Fy276 (M) : Fy227 (S) , COVER = 40mm CONFINING ZONE = L/3
	Z1 MAIN LINK	#10 @ 100	2-T10@100c/c	2-T10@100c/c	#10 @ 100	#10 @ 100	#12 @ 100	2-T10@100c/c	#10 @ 100	2-T10@100c/c
	Z1 OTHERS	#10 @ 100	#10 @ 100	#10 @ 100	#10 @ 100	#10 @ 100	#10 @ 100	#10 @ 100	#10 @ 100	#10 @ 100
	Z2 LINKS	#10 @ 150	#10 @ 150	#10 @ 150	#10 @ 150	#10 @ 150	#10 @ 150	#10 @ 150	#10 @ 150	#10 @ 150
	Section	600 x 600	600 x 600	600 x 600	600 x 600	600 x 600	600 x 600	600 x 600	600 x 600	600 x 600
	Legend	⊗25MMØ ○20MMØ	⊗25MMØ	⊗25MMØ	⊗25MMØ ○20MMØ	⊗25MMØ ○20MMØ	⊗25MMØ ○20MMØ	⊗25MMØ	⊗25MMØ ○20MMØ	⊗25MMØ
	Main bars	20-25MMØ + 4-20MMØ	16-25MMØ	20-25MMØ	20-25MMØ + 4-20MMØ	20-25MMØ + 4-20MMØ	12-25MMØ + 4-20MMØ	16-25MMØ	20-25MMØ + 4-20MMØ	20-25MMØ
GRADE LINE TO FOUNDATION	Specification	C28 : Fy276 (M) : Fy227 (S) , COVER = 50mm CONFINING ZONE = 600 MM	C28 : Fy276 (M) : Fy227 (S) , COVER = 50mm CONFINING ZONE = 600 MM	C28 : Fy276 (M) : Fy227 (S) , COVER = 50mm CONFINING ZONE = 600 MM	C28 : Fy276 (M) : Fy227 (S) , COVER = 50mm CONFINING ZONE = 600 MM	C28 : Fy276 (M) : Fy227 (S) , COVER = 50mm CONFINING ZONE = 650 MM	C28 : Fy276 (M) : Fy227 (S) , COVER = 50mm CONFINING ZONE = 700 MM	C28 : Fy276 (M) : Fy227 (S) , COVER = 50mm CONFINING ZONE = FULL HEIGHT	C28 : Fy276 (M) : Fy227 (S) , COVER = 50mm CONFINING ZONE = 650 MM	C28 : Fy276 (M) : Fy227 (S) , COVER = 50mm CONFINING ZONE = 600 MM
	Z1 MAIN LINK	12MMØ @ 100	12MMØ @ 100	12MMØ @ 100	12MMØ @ 100	10MMØ @ 100	12MMØ @ 100	12MMØ @ 100	10MMØ @ 100	12MMØ @ 100
	Z1 OTHERS	10MMØ @ 100	10MMØ @ 100	10MMØ @ 100	10MMØ @ 100	10MMØ @ 100	10MMØ @ 100	10MMØ @ 100	10MMØ @ 100	10MMØ @ 100
	Z2 LINKS	10MMØ @ 150	10MMØ @ 150	10MMØ @ 150	10MMØ @ 150	10MMØ @ 150	10MMØ @ 150	---	10MMØ @ 150	10MMØ @ 150
	Section	600 x 600	600 x 600	600 x 600	600 x 600	650 x 650	700 x 700	750 x 750	650 x 650	600 x 600
	Legend	⊗25MMØ	⊗25MMØ	⊗25MMØ	⊗25MMØ	⊗25MMØ ○20MMØ	⊗25MMØ ○20MMØ	⊗25MMØ ○20MMØ	⊗25MMØ ○20MMØ	⊗25MMØ
	Main bars	24-25MMØ	24-25MMØ	24-25MMØ	24-25MMØ	20-25MMØ + 8-20MMØ	20-25MMØ + 4-20MMØ	16-25MMØ + 8-20MMØ	20-25MMØ + 8-20MMØ	24-25MMØ
COLUMN MARKED		C1	C2	C3	C4	C5	C6	C7	C8	C9

COLUMN SCHEDULE

NOTES:

1. BE = BOUNDARY ELEMENT AS PER NSCP C101 - 2015. PROVIDE CONFINING REINFORCEMENT ACROSS ENTIRE HEIGHT OF WALL IN THE BOUNDARY ELEMENT
2. Z1 = SPECIAL CONFINING ZONE AS PER NSCP C101 - 2015, Z2 = REMAINING ZONES AS PER NSCP C101 - 2015
3. (M) - STEEL GRADE FOR MAIN REINFORCEMENT
4. (S) - STEEL GRADE FOR SHEAR REINFORCEMENT/LINKS

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SHEET CONTENT: AS SHOWN
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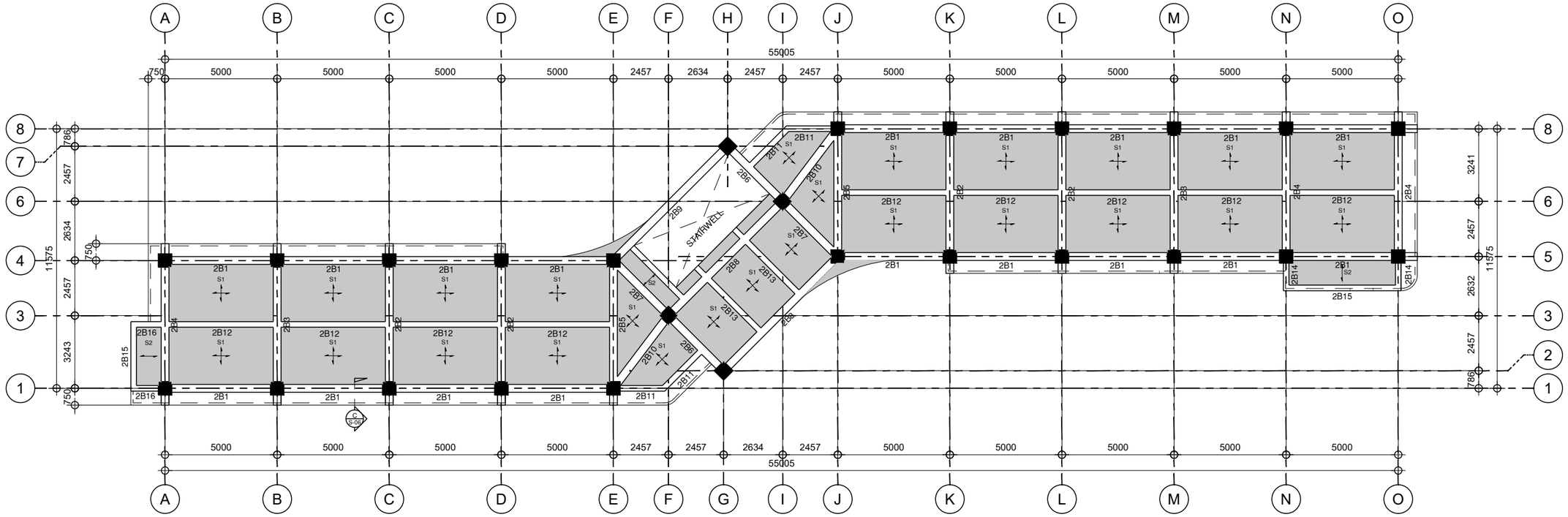
SCALE: AS SHOWN @ 20x30
SHEET NO.: S-04
PROJ. NO.



A S-05 SECOND FLOOR FRAMING PLAN
SCALE 1:200M

SECOND FLOOR BEAM SCHEDULE (C28 : Fy276 (MAIN) : Fy227 (SHEAR))

BEAM NUMBERS	SIZE		BOTTOM REINFORCEMENT			TOP REINFORCEMENT			SHEAR STIRRUPS			SFR	DIAGONAL	REMARKS
	B	D	LEFT	MID SPAN	RIGHT	LEFT	MID SPAN	RIGHT	LEFT	MID SPAN	RIGHT			
2B1	350	600	4-20MMØ + 4-16MMØ	4-20MMØ + 2-16MMØ	4-20MMØ + 4-16MMØ	4-20MMØ + 4-20MMØ	4-20MMØ	4-20MMØ + 4-20MMØ	19-4L-10MMØ@70C.O.	REST-4L-10MMØ@110C.O.	19-4L-10MMØ@70C.O.	3-16MMØ EF	-	-
2B2	350	700	4-20MMØ + 4-20MMØ	4-20MMØ + 2-20MMØ	4-20MMØ + 4-20MMØ	4-25MMØ + 4-25MMØ	4-25MMØ	4-25MMØ + 4-25MMØ	15-4L-12MMØ@100C.O.	REST-4L-12MMØ@100C.O.	15-4L-12MMØ@120C.O.	3-16MMØ EF	-	-
2B3	350	700	4-20MMØ + 4-20MMØ	4-20MMØ + 2-20MMØ	4-20MMØ + 4-20MMØ	4-25MMØ + 4-25MMØ + 2-12MMØ	4-25MMØ	4-25MMØ + 4-25MMØ + 3-12MMØ	21-4L-12MMØ@70C.O.	REST-4L-12MMØ@100C.O.	21-4L-12MMØ@70C.O.	3-16MMØ EF	-	-
2B4	350	700	4-25MMØ + 4-16MMØ	4-25MMØ + 2-16MMØ	4-25MMØ + 4-16MMØ	4-25MMØ + 4-25MMØ + 3-16MMØ	4-25MMØ	4-25MMØ + 4-25MMØ + 3-16MMØ	17-4L-12MMØ@90C.O.	REST-4L-12MMØ@95C.O.	17-4L-12MMØ@95C.O.	3-16MMØ EF	-	-
2B5	350	700	4-20MMØ + 5-16MMØ	4-20MMØ + 2-16MMØ	4-20MMØ + 5-16MMØ	4-25MMØ + 4-20MMØ	4-25MMØ	4-25MMØ + 4-20MMØ	17-4L-10MMØ@90C.O.	REST-4L-10MMØ@95C.O.	17-4L-10MMØ@95C.O.	-	-	-
2B6	350	600	4-20MMØ + 4-16MMØ	4-20MMØ + 2-16MMØ	4-20MMØ + 3-16MMØ	4-25MMØ + 4-20MMØ	4-25MMØ	4-25MMØ + 4-20MMØ	19-4L-12MMØ@70C.O.	REST-4L-12MMØ@150C.O.	19-4L-12MMØ@95C.O.	4-16MMØ EF	-	-
2B7	350	600	4-20MMØ + 5-12MMØ	4-20MMØ + 2-16MMØ	4-20MMØ + 5-12MMØ	4-25MMØ + 4-20MMØ	4-25MMØ	4-25MMØ + 4-20MMØ	19-4L-10MMØ@70C.O.	REST-4L-10MMØ@85C.O.	19-4L-10MMØ@70C.O.	-	-	-
2B8	350	600	4-20MMØ + 4-12MMØ	4-20MMØ + 2-16MMØ	4-20MMØ + 4-12MMØ	4-25MMØ + 4-16MMØ	4-25MMØ	4-25MMØ + 4-16MMØ	19-4L-10MMØ@70C.O.	REST-4L-10MMØ@95C.O.	19-4L-10MMØ@70C.O.	-	-	-
2B9	350	600	4-20MMØ	4-20MMØ	4-20MMØ	4-20MMØ + 3-20MMØ	4-20MMØ	4-20MMØ + 3-20MMØ	11-4L-10MMØ@120C.O.	REST-4L-10MMØ@150C.O.	11-4L-10MMØ@120C.O.	-	-	-

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UNIVERSITY PRESIDENT

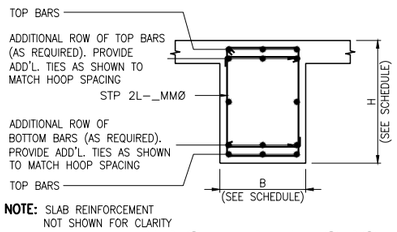
SHEET CONTENT : AS SHOWN
SHEET NO. : S-05
CHECKED :
APPROVED :
DRAWN :
DATE :
SCALE : AS SHOWN @ 20x30
PROJ. NO.

SECOND FLOOR BEAM SCHEDULE (C28 : Fy276 (MAIN) : Fy227 (SHEAR)) CONT.

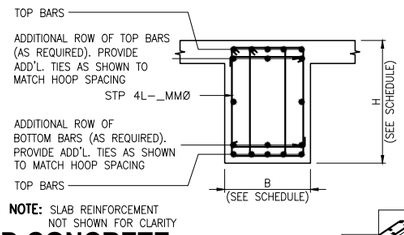
BEAM NUMBERS	SIZE		BOTTOM REINFORCEMENT			TOP REINFORCEMENT			SHEAR STIRRUPS			SFR	DIAGONAL	REMARKS
	B	D	LEFT	MID SPAN	RIGHT	LEFT	MID SPAN	RIGHT	LEFT	MID SPAN	RIGHT			
2B10	350	600	4-20MMØ + 3-16MMØ	4-20MMØ + 2-16MMØ	4-20MMØ + 4-16MMØ	4-25MMØ + 3-20MMØ	4-25MMØ	4-25MMØ	14-4L-10MMØ@95C.O.	REST-4L-10MMØ@105C.O.	14-4L-10MMØ@95C.O.	3-16MMØ EF	-	-
2B11	250	500	2-25MMØ	2-25MMØ	2-25MMØ	2-25MMØ + 2-25MMØ	2-25MMØ + 2-25MMØ	2-25MMØ + 2-25MMØ	11-2L-10MMØ@90C.O.	REST-2L-10MMØ@90C.O.	11-2L-10MMØ@90C.O.	3-16MMØ EF	-	CANTILEVERED
2B12	250	500	3-16MMØ + 2-12MMØ	3-16MMØ + 2-12MMØ	3-16MMØ + 2-12MMØ	2-25MMØ	2-25MMØ	2-25MMØ	12-2L-10MMØ@150C.O.	REST-2L-10MMØ@150C.O.	12-2L-10MMØ@150C.O.	-	-	-
2B13	250	500	3-12MMØ + 2-12MMØ	3-12MMØ + 2-12MMØ	3-12MMØ + 2-12MMØ	2-12MMØ	2-12MMØ	2-12MMØ	8-2L-10MMØ@150C.O.	REST-2L-10MMØ@150C.O.	8-2L-10MMØ@150C.O.	2-16MMØ EF	-	-
2B14	250	500	3-12MMØ + 2-12MMØ	3-12MMØ	3-12MMØ	3-25MMØ	3-25MMØ	3-25MMØ	6-2L-10MMØ@75C.O.	REST-2L-10MMØ@75C.O.	6-2L-10MMØ@75C.O.	4-16MMØ EF	-	CANTILEVERED
2B15	250	500	3-16MMØ + 2-12MMØ	3-16MMØ + 2-12MMØ	3-16MMØ + 2-12MMØ	3-16MMØ + 2-12MMØ	3-16MMØ	3-16MMØ + 2-12MMØ	12-2L-10MMØ@150C.O.	REST-2L-10MMØ@150C.O.	12-2L-10MMØ@150C.O.	-	-	-
2B16	250	500	3-12MMØ + 2-12MMØ	3-12MMØ	3-12MMØ + 2-12MMØ	2-25MMØ	2-25MMØ	2-25MMØ	6-2L-10MMØ@80C.O.	REST-2L-10MMØ@80C.O.	6-2L-10MMØ@80C.O.	4-16MMØ EF	-	CANTILEVERED

SCHEDULE OF SLABS

SLAB MARK	THICKNESS (MM)	BAR LOCATION	SLAB REINFORCEMENTS						REMARKS
			BAR SIZE	SHORT SPAN		BAR SIZE	LONG SPAN		
				END	MIDDLE		END	MIDDLE	
S-1	125	TOP	12MMØ	200	-	12MMØ	200	-	TWO-WAY
		BOT	12MMØ	200	100	12MMØ	200	100	
S-2	125	TOP	12MMØ	200	-	12MMØ	200	-	ONE-WAY
		BOT	12MMØ	200	100	12MMØ	200	200	
CS-1	125	TOP	12MMØ	200	200	12MMØ	200	200	CANTILEVER
		BOT	12MMØ	200	200	12MMØ	200	200	



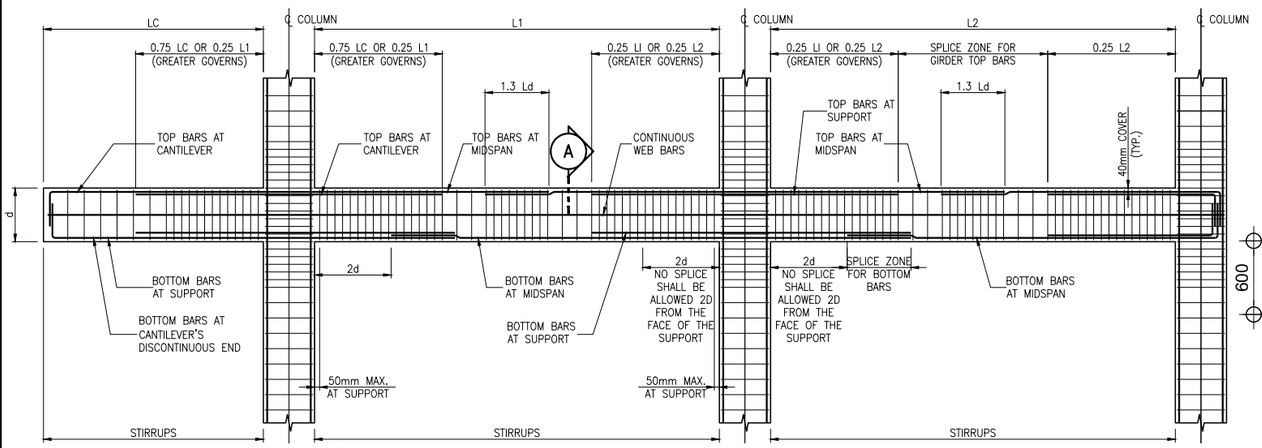
NOTE: SLAB REINFORCEMENT NOT SHOWN FOR CLARITY



NOTE: SLAB REINFORCEMENT NOT SHOWN FOR CLARITY

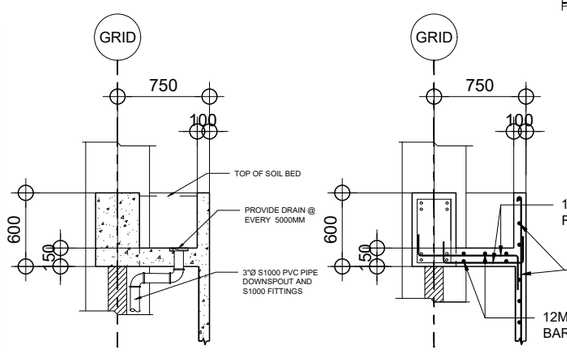
A S-06 TYPICAL REINFORCED CONCRETE BEAM SECTION DETAIL

SCALE NTS



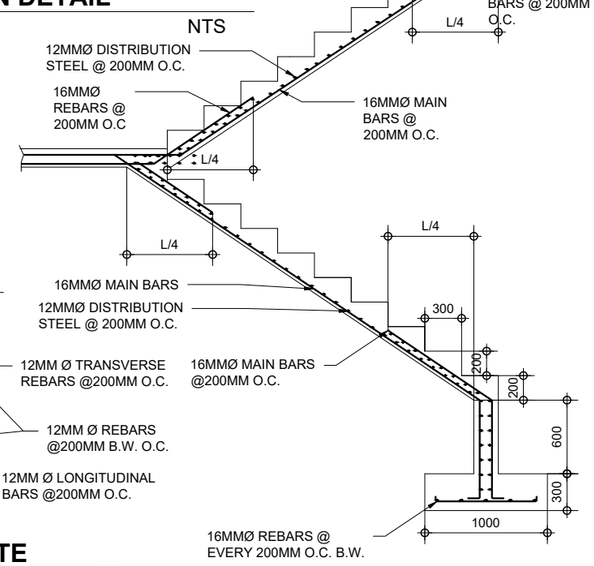
B S-06 TYPICAL DUCTILE MOMENT FRAME BEAM DETAIL

SCALE NTS



C S-06 TYPICAL REINFORCED CONCRETE SUSPENDED PLANT BOX DETAIL

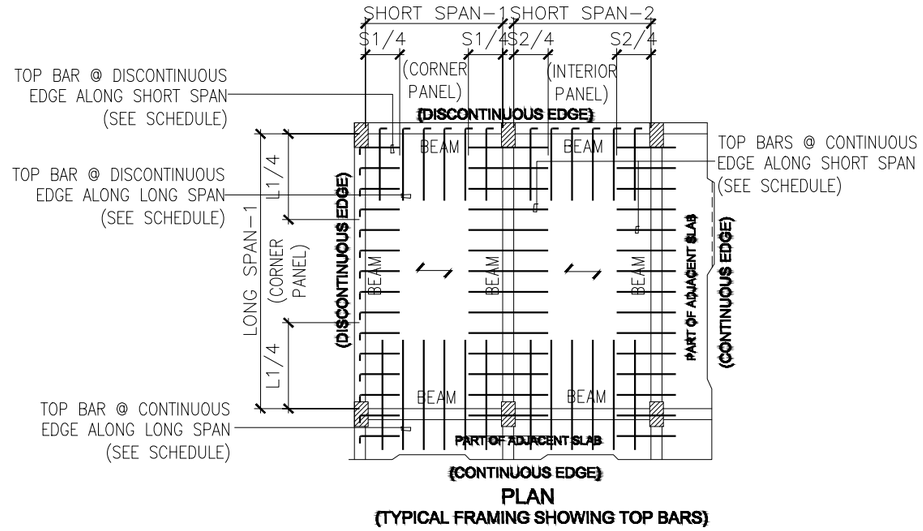
SCALE 1:50 M



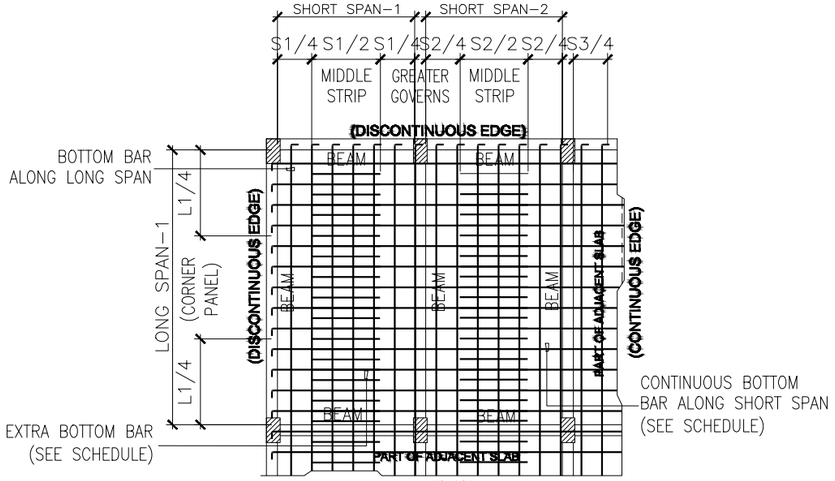
D S-06 STAIR REINFORCEMENT DETAIL

SCALE NTS

SOUTHERN LEYTE STATE UNIVERSITY Main Campus, San Roque, Sogod, Southern Leyte Email: president@southernleytestateu.edu.ph Website: www.southernleytestateu.edu.ph Excellence | Service | Leadership and Good Governance | Innovation | Social Responsibility | Integrity | Professionalism | Spirituality	PREPARED BY : HAZEL G. OBORDO MARK CIELO A. UYPALA DRAFTING AIDE-OJT	AR. JEAMES PAUL EVANGELISTA, UAP ARCHITECT ENGR. RYAN A. MACUTO, M.IABSE LUDIP Head Designate	PROJECT : CONSTRUCTION OF 3-STOREY, 30 ROOMS APARTELLE DE SLSU PHASE I ADDRESS: SLSU-MAIN CAMPUS, SAN ROQUE, SOGOD SOUTHERN LEYTE	OWNER : SOUTHERN LEYTE STATE UNIVERSITY ADDRESS: SLSU-MAIN CAMPUS, SAN ROQUE, 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. S-06 PROJ. NO.

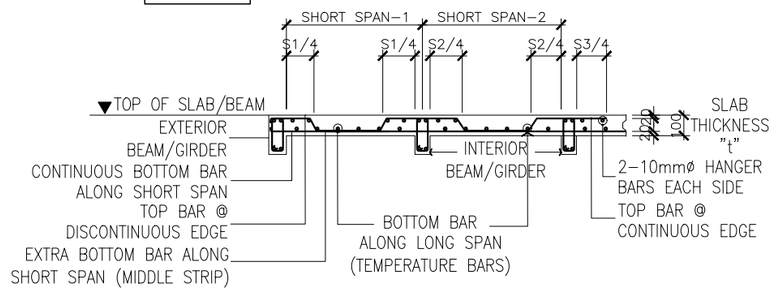


PLAN
(TYPICAL FRAMING SHOWING TOP BARS)



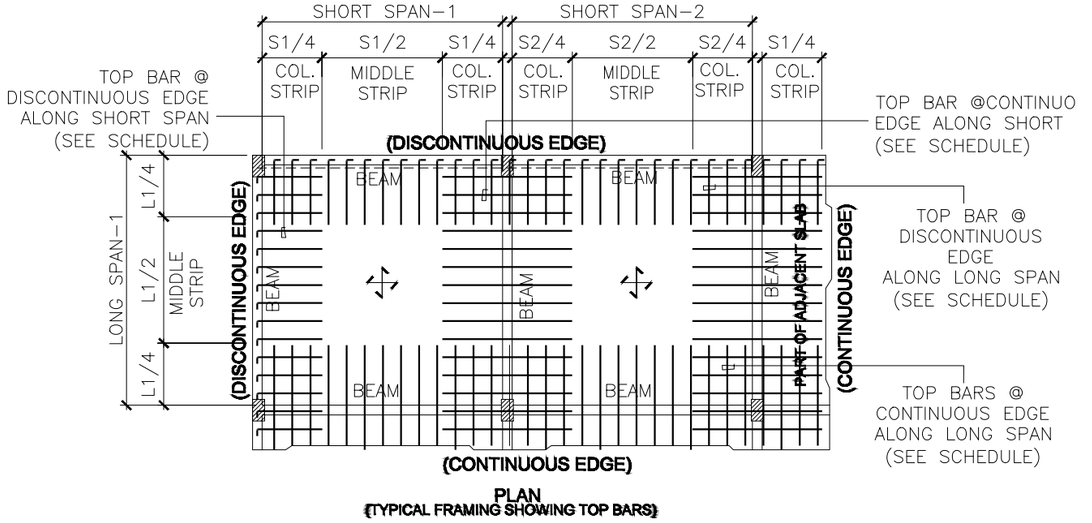
PLAN
(TYPICAL FRAMING SHOWING BOTTOM BARS)

NOTE:
L/S ≥ 2.0



TYPICAL SECTION

A / **S-07** — **TYPICAL ONE-WAY SLAB DETAIL**
SCALE NTS



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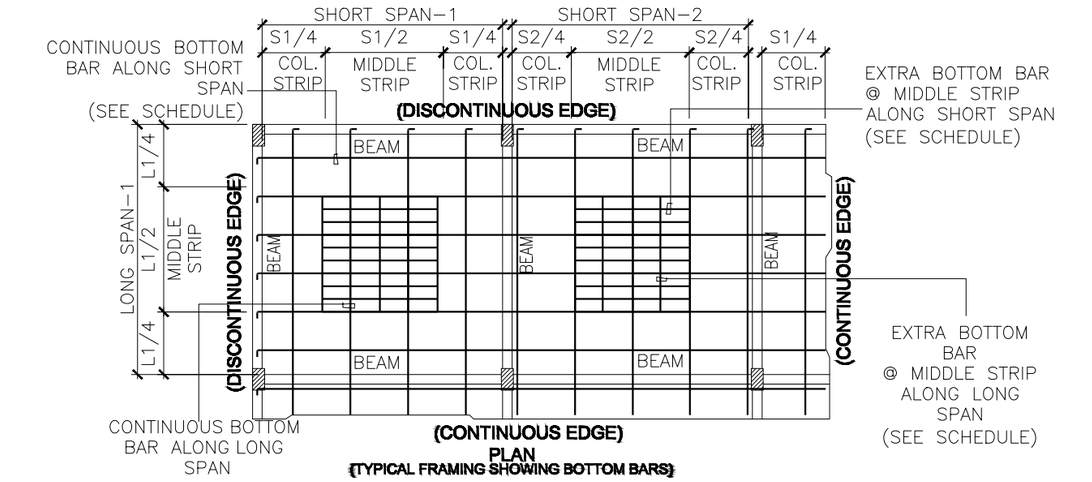

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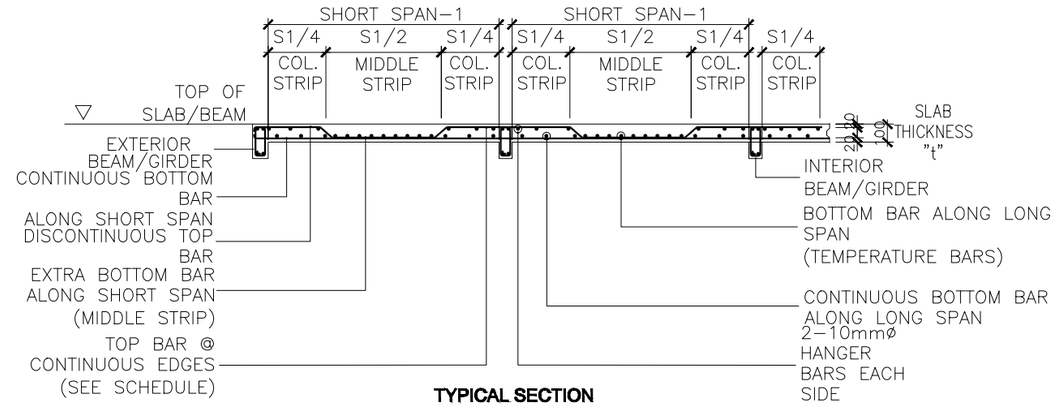

TYPICAL SECTION

B / **S-07** — **TYPICAL TWO-WAY SLAB DETAIL**
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