SCHEDULE OF LOAD PB 1

CKT. NO.	DESCRIPTION	NO. OF OUTLET	W	V	A	UPPER PROTECTION	SIZE OF WIRE & SIZE OF CONDUIT
1	LIGHTING OUTLET	15	1500	230	6.52	20AT	2-3.5mm² THHN @ ¾" PVC Ø
2	LIGHTING OUTLET	17	1700	230	7.39	20AT	2-3.5mm² THHN @ ¾" PVC Ø
3	LIGHTING OUTLET	9	900	230	3.91	20AT	2-3.5mm² THHN @ ¾" PVC Ø
4	LIGHTING OUTLET	9	900	230	3.91	20AT	2-3.5mm² THHN @ ¾" PVC Ø
5	LIGHTING OUTLET	9	900	230	3.91	20AT	2-3.5mm² THHN @ ¾" PVC Ø
6	LIGHTING OUTLET	12	1200	230	5.21	20AT	2-3.5mm² THHN @ ¾" PVC Ø
7	CONVENIENCE OUTLET	7	1260	230	5.47	20AT	2-3.5 mm² THHN @ ¾" PVC Ø
8	CONVENIENCE OUTLET	6	1080	230	4.69	20AT	2-3.5 mm² THHN @ ¾" PVC Ø
9	CONVENIENCE OUTLET	6	1080	230	4.69	20AT	2-3.5 mm² THHN @ ¾" PVC Ø
10	CONVENIENCE OUTLET	7	1260	230	5.47	20AT	2-3.5 mm² THHN @ ¾" PVC Ø
11	CONVENIENCE OUTLET	6	1080	230	4.69	20AT	2-3.5 mm² THHN @ ¾" PVC Ø
12	CONVENIENCE OUTLET	6	1080	230	4.69	20AT	2-3.5 mm² THHN @ ¾" PVC Ø
13	EMERGENCY LIGHT	6	1080	230	4.69	20AT	2-3.5 mm² THHN @ ¾" PVC Ø
14	EMERGENCY LIGHT	3	540	230	2.34	20AT	2-3.5 mm² THHN @ ¾" PVC Ø
15	ACU OUTLET (2.0 HP)	1	2760	230	12.00	30AT	2-5.5 mm² THHN @ ¾" PVC Ø
16	ACU OUTLET (2.0 HP)	1	2760	230	12.00	30AT	2-5.5 mm² THHN @ ¾" PVC Ø
17	ACU OUTLET (2.0 HP)	1	2760	230	12.00	30AT	2-5.5 mm² THHN @ ¾" PVC Ø
18	ACU OUTLET (2.0 HP)	1	2760	230	12.00	30AT	2-5.5 mm² THHN @ ¾" PVC Ø
19	ACU OUTLET (2.0 HP)	1	2760	230	12.00	30AT	2-5.5 mm² THHN @ ¾" PVC Ø
20	ACU OUTLET (2.0 HP)	1	2760	230	12.00	30AT	2-5.5 mm² THHN @ ¾" PVC Ø
21	ACU OUTLET (2.0 HP)	1	2760	230	12.00	30AT	2-5.5 mm² THHN @ ¾" PVC Ø
22	ACU OUTLET (2.0 HP)	1	2760	230	12.00	30AT	2-5.5 mm² THHN @ ¾" PVC Ø
23	SPARE	1					
24	SPARE	1					
	TOTAL		37640		163.58		

FULL LOAD CURRENT = (163.58) + (.25 X 12) =166.58AMP.
CURRENT PROTECTION = (163.58 -12) + (2.5 X 12) =181.58AMP.
USE: 200 AMPS A.F. MOULDED CASE CIRCUIT BREAKER (MAIN)
USE: 2- # 80.0mm² THHN +1-50.0mm² THHN (G) @ 2" DIA. RMC

SCHEDULE OF LOAD PB 2

CKT. NO.	DESCRIPTION	NO. OF OUTLET	W	V	A	UPPER PROTECTION	SIZE OF WIRE & SIZE OF CONDUIT
1	LIGHTING OUTLET	13	1300	230	5.65	20AT	2-3.5mm² THHN @ ¾" PVC Ø
2	LIGHTING OUTLET	17	1700	230	7.39	20AT	2-3.5mm² THHN @ ¾" PVC Ø
3	LIGHTING OUTLET	9	900	230	3.91	20AT	2-3.5mm² THHN @ ¾" PVC Ø
4	LIGHTING OUTLET	9	900	230	3.91	20AT	2-3.5mm² THHN @ ¾" PVC Ø
5	LIGHTING OUTLET	9	900	230	3.91	20AT	2-3.5mm² THHN @ ¾" PVC Ø
6	CONVENIENCE OUTLET	6	1080	230	4.69	20AT	2-3.5mm² THHN @ ¾" PVC Ø
7	CONVENIENCE OUTLET	7	1260	230	5.47	20AT	2-3.5 mm² THHN @ ¾" PVC Ø
8	CONVENIENCE OUTLET	6	1080	230	4.69	20AT	2-3.5 mm² THHN @ ¾" PVC Ø
9	CONVENIENCE OUTLET	6	1080	230	4.69	20AT	2-3.5 mm² THHN @ ¾" PVC Ø
10	CONVENIENCE OUTLET	7	1260	230	5.47	20AT	2-3.5 mm² THHN @ ¾" PVC Ø
11	EMERGENCY LIGHT	6	1080	230	4.69	20AT	2-3.5 mm² THHN @ ¾" PVC Ø
12	EMERGENCY LIGHT	3	540	230	2.34	20AT	2-3.5 mm² THHN @ ¾" PVC Ø
13	ACU OUTLET (2.0 HP)	1	2760	230	12.00	30AT	2-5.5 mm² THHN @ ¾" PVC Ø
14	ACU OUTLET (2.0 HP)	1	2760	230	12.00	30AT	2-5.5 mm² THHN @ ¾" PVC Ø
15	ACU OUTLET (2.0 HP)	1	2760	230	12.00	30AT	2-5.5 mm² THHN @ ¾" PVC Ø
16	ACU OUTLET (2.0 HP)	1	2760	230	12.00	30AT	2-5.5 mm² THHN @ ¾" PVC Ø
17	ACU OUTLET (2.0 HP)	1	2760	230	12.00	30AT	2-5.5 mm² THHN @ ¾" PVC Ø
18	ACU OUTLET (2.0 HP)	1	2760	230	12.00	30AT	2-5.5 mm² THHN @ ¾" PVC Ø
19	ACU OUTLET (2.0 HP)	1	2760	230	12.00	30AT	2-5.5 mm² THHN @ ¾" PVC Ø
20	SPARE	1					
	TOTAL		32400		140.81		

FULL LOAD CURRENT = (140.81) + (.25 X 12) =143.81AMP.
CURRENT PROTECTION = (140.81 -12) + (2.5 X 12) =158.81AMP.
USE: 200 AMPS A.F. MOULDED CASE CIRCUIT BREAKER (MAIN)
USE: 2- # 80.0mm² THHN +1-50.0mm² THHN (G) @ 2" DIA. RMC

SCHEDULE OF LOAD PB 3

CKT. NO.	DESCRIPTION	NO. OF OUTLET	W	V	A	UPPER PROTECTION	SIZE OF WIRE & SIZE OF CONDUIT
1	LIGHTING OUTLET	13	1300	230	5.65	20AT	2-3.5mm² THHN @ ¾" PVC Ø
2	LIGHTING OUTLET	17	1700	230	7.39	20AT	2-3.5mm² THHN @ ¾" PVC Ø
3	LIGHTING OUTLET	9	900	230	3.91	20AT	2-3.5mm² THHN @ ¾" PVC Ø
4	LIGHTING OUTLET	9	900	230	3.91	20AT	2-3.5mm² THHN @ ¾" PVC Ø
5	LIGHTING OUTLET	9	900	230	3.91	20AT	2-3.5mm² THHN @ ¾" PVC Ø
6	CONVENIENCE OUTLET	7	1260	230	5.47	20AT	2-3.5mm² THHN @ ¾" PVC Ø
7	CONVENIENCE OUTLET	7	1260	230	5.47	20AT	2-3.5 mm² THHN @ ¾" PVC Ø
8	CONVENIENCE OUTLET	7	1260	230	5.47	20AT	2-3.5 mm² THHN @ ¾" PVC Ø
9	EMERGENCY LIGHT	6	1080	230	4.69	20AT	2-3.5 mm² THHN @ ¾" PVC Ø
10	EMERGENCY LIGHT	3	540	230	2.34	20AT	2-3.5 mm² THHN @ ¾" PVC Ø
11	ACU OUTLET (2.0 HP)	1	2760	230	12.00	30AT	2-5.5 mm² THHN @ ¾" PVC Ø
12	ACU OUTLET (2.0 HP)	1	2760	230	12.00	30AT	2-5.5 mm² THHN @ ¾" PVC Ø
13	ACU OUTLET (2.0 HP)	1	2760	230	12.00	30AT	2-5.5 mm² THHN @ ¾" PVC Ø
14	ACU OUTLET (2.0 HP)	1	2760	230	12.00	30AT	2-5.5 mm² THHN @ ¾" PVC Ø
15	ACU OUTLET (2.0 HP)	1	2760	230	12.00	30AT	2-5.5 mm² THHN @ ¾" PVC Ø
16	ACU OUTLET (2.0 HP)	1	2760	230	12.00	30AT	2-5.5 mm² THHN @ ¾" PVC Ø
17	ACU OUTLET (2.0 HP)	1	2760	230	12.00	30AT	2-5.5 mm² THHN @ ¾" PVC Ø
18	LIGHTING OUTLET	18	1800	230	7.86	20AT	2-3.5mm² THHN @ ¾" PVC Ø
19	EMERGENCY LIGHT	1	180	230	0.78	20AT	2-3.5 mm² THHN @ ¾" PVC Ø
20	CONVENIENCE OUTLET	4	720	230	3.13	20AT	2-3.5 mm² THHN @ ¾" PVC Ø
21	ACU OUTLET (2.0 HP)	1	2760	230	12.00	30AT	2-5.5 mm² THHN @ ¾" PVC Ø
22	SPARE	1					
23	SPARE	1					
24	SPARE	1					
	TOTAL		35880		155.98		

FULL LOAD CURRENT = (155.98) + (.25 X 12) =158.98AMP.
CURRENT PROTECTION = (155.98 -12) + (2.5 X 12) =173.98AMP.
USE: 200 AMPS A.F. MOULDED CASE CIRCUIT BREAKER (MAIN)
USE: 2- # 80.0mm² THHN +1-50.0mm² THHN (G) @ 2" DIA. RMC

SCHEDULE OF LOAD MDP

CKT. NO.	DESCRIPTION	NO. OF OUTLET	W	V	A	UPPER PROTECTION	SIZE OF WIRE & SIZE OF CONDUIT
1	PB-1	1	37740	230	200	200AT	2-200.0mm² THHN @ 2" RMC Ø
2	PB-2	1	32500	230	200	200AT	2-200.0 mm² THHN @ 2" RMC Ø
3	PB-3	1	35980	230	200	200AT	2-200.0 mm² THHN @ 2" RMC Ø
4	SPARE	1					
	TOTAL		106220		600		

USE: 600 AMPS A.F. MOULDED CASE CIRCUIT BREAKER (MAIN)
USE: 2- # 500.0mm² THHN +1-375.0mm² THHN (G) @ 5" DIA. RMC

1 / E-7 — PB1, PB2, PB3 & MDP
SCHEDULE OF LOADS
SCALE NTS.

☐ FOR APPROVAL
☐ FOR CONSTRUCTION
☐ AS-BUILT PLAN

PROJECT TITLE:
CONVERSION OF THREE STOREY BUILDING INTO INTERIM BUILDING FOR COLLEGE OF MEDICINE AT BPSU MAIN CAMPUS

LOCATION:
BATAAN PENINSULA STATE UNIVERSITY (MAIN CAMPUS) BALANGA CITY, BATAAN

STRUCTURAL ENGINEER
NAME:
PRC NO.:
PTR NO.:
TIN NO.:

WATER PUMPS/SANITARY ENGINEER
NAME:
PRC NO.:
PTR NO.:
TIN NO.:

PROFESSIONAL ELECTRICAL ENGINEER
NAME:
PRC NO.:
PTR NO.:
TIN NO.:

PROFESSIONAL MECHANICAL ENGINEER
NAME:
PRC NO.:
PTR NO.:
TIN NO.:

END USER:
CAMPUS DIRECTOR

PREPARED BY:
AR. SHARON R. BAUTISTA
DESIGNER

REVIEWED BY:
ENGR. ROY JOSEPH R. RODRIGUEZ
DIRECTOR OF PDO

RECOMMENDED BY:
PROF. LEGRALD M. GUDIA
VICE PRESIDENT ADMIN & FINANCE

APPROVED BY:
DR. RUBY M. SANTOS-MATABAG
PRESIDENT

REPUBLIC ACT 9266.

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SHEET CONTENT: -SCHEDULE OF LOADS
SHEET NUMBER: E-7

BATAAN PENINSULA STATE UNIVERSITY
TECHNICAL WORKING GROUP FOR INFRASTRUCTURE