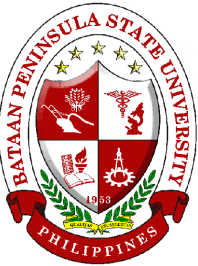


NOTE : DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SHOWN DIMENSIONS. CONTRACTORS SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE JOB. THE DESIGNER MUST BE NOTIFIED IMMEDIATELY OF ANY VARIATIONS FROM THE DIMENSIONS AND CONDITIONS SHOWN BY THESE DRAWINGS.

NOTE : DISCREPANCY ON ALL DRAWINGS & OBSERVATIONS AND REVISIONS SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL ENGINEER (MECHANICAL ETC.) SHALL BE SUBJECT FOR VERIFICATION AND DO NOT SCALE



BATAAN PENINSULA STATE UNIVERSITY
TECHNICAL WORKING GROUP FOR INFRASTRUCTURE
CAPITOL COMPOUND, BRGY. TENEJERO, CITY OF BALANGA, BATAAN,
E-MAIL: bpsu.begining2016@gmail.com/ bpsuupes2017@gmail.com
TELEPHONE NO. : (047) 237-15-98

ACPP PANEL SCHEDULE

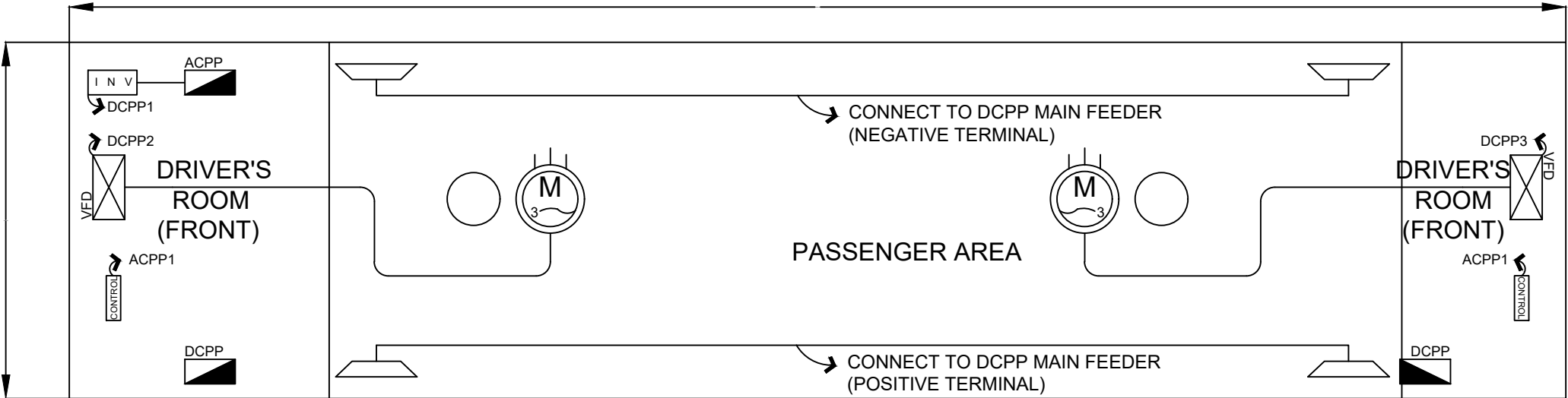
CKT NO.	LOAD DESCRIPTION	VA	VOLT	AMP	CIRCUIT BREAKER			SERVICE WIRE, THHN	GROUND WIRE, THHN	CONDUIT MM, DIA
					AT	AF	P			
1	LIGHTING AND CONTROLS	1000	230	4.35	20	50	2	2-3.5sq.mm		
2	5 HP ACU FAN	5800	230	25.22	30	50	2	2-3.5sq.mm		
3	5 HP ACU COMPRESSOR	5800	230	25.22	30	50	2	2-3.5sq.mm		
4	SPARE	1000	230	4.35	20	50	2	2-3.5sq.mm		
TOTAL		13600	230	59.13						
LOCATION: -										
ENCLOSURE: -										
MOUNTING: -										
AMPERES: - VOLTS: 230 V										
BUS RATING: -										
FED FROM: DCPP POWER PANEL 1										
COMPUTATION:										
It = (59.14) 100% DF + (25.22) 25% DF = 55.43 A										
USE:										
FEEDER SIZE: 2-22 sq.mm THHN										
MAIN BREAKER: 70 AT, 100 AF, 10 KAIC, 230 V, 2P										
MAIN KAIC: 10KAIC										
BRANCH KAIC: 10KAIC										
CONNECTED LOAD: 13600 VA										
DEMAND FACTOR: 100%										
BRAND: -										
FABRICATOR: -										

DCPP PANEL SCHEDULE

CKT NO.	LOAD DESCRIPTION	VA	VOLT	AMP	CIRCUIT BREAKER			SERVICE WIRE, THHN	GROUND WIRE, THHN	CONDUIT MM, DIA
					AT	AF	P			
1	10 KW INVETER	10000	650	15.38	30	60	2	2-3.5sq.mm		
2	SPARE FOR INVERTER	5000	650	7.69	20	60	2	2-3.5sq.mm		
3	40HP INDUCTION MOTOR WITH VFD CONTROL – FRONT BOGIE	45000	650	69.23	75	100	2	2-22.0sq.mm		
4	40HP INDUCTION MOTOR WITH VFD CONTROL – REAR BOGIE	45000	650	69.23	75	100	2	2-22.0sq.mm		
TOTAL		13600	650	161.54						
LOCATION: -										
ENCLOSURE: -										
MOUNTING: -										
AMPERES: - VOLTS: 650 VDC										
BUS RATING: -										
FED FROM: THREE PHASE RECTIFIER										
COMPUTATION:										
It = (161.53) 100% DF + (69.23) 25% DF = 178.85 A										
USE:										
FEEDER SIZE: 2-80 sq.mm THHN										
IN 32mmØ RSC PER WIRE										
MAIN BREAKER: 200 AT, 200 AF, 15 KAIC, 650 V, 2P										
INDUSTRIAL DC TYPE (200 A, 700V)										
MAIN KAIC: 15KAIC										
BRANCH KAIC: 10KAIC										
CONNECTED LOAD: 105000 VA										
DEMAND FACTOR: 100%										
BRAND: -										
FABRICATOR: -										

2 LOAD SCHEDULE

SCALE: NTS



1 COACH POWER LAYOUT

SCALE: NTS

PROJECT TITLE:

INSTALLATION OF AUTOMATIC
GUIDE-WAY TRANSIT (AGT) IN
BPSU MAIN CAMPUS

LOCATION:

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

STRUCTURAL ENGINEER

REG. NO. :

PTR. NO. :

PLACE :

TIN NO. :

MASTER PLUMBER/SANITARY ENGINEER

REG. NO. :

PTR. NO. :

PLACE :

TIN NO. :

PROFESSIONAL ELECTRICAL ENGINEER

REG. NO. :

PTR. NO. :

PLACE :

TIN NO. :

PROFESSIONAL MECHANICAL ENGINEER

REG. NO. :

PTR. NO. :

PLACE :

TIN NO. :

REVISION

NO.	DESCRIPTION	DATE
1		
2		

PREPARED BY:

AR. ROXETTE S. UMEREZ

ARCHITECT 1, BPSU TING

REG. NO. :

PTR. NO. :

PLACE :

TIN NO. :

REVIEWED BY:

JASON ANTHONY BANZON

CAMPUS DIRECTOR

NOTED BY:

ENGR. ALFREDO D. VALENTOS

DIRECTOR OF PPES

RECOMMENDED BY:

DR. EDMUNDO C. TUNGOL

VICE PRESIDENT ADMIN. & FINANCE

APPROVED BY:

DR. GREGORIO J. RODIS

UNIVERSITY PRESIDENT

REPUBLIC ACT 9266.

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SHEET CONTENT:

SHEET NUMBER:

E4