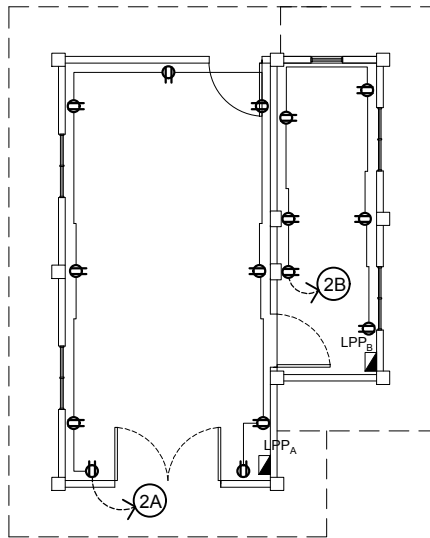
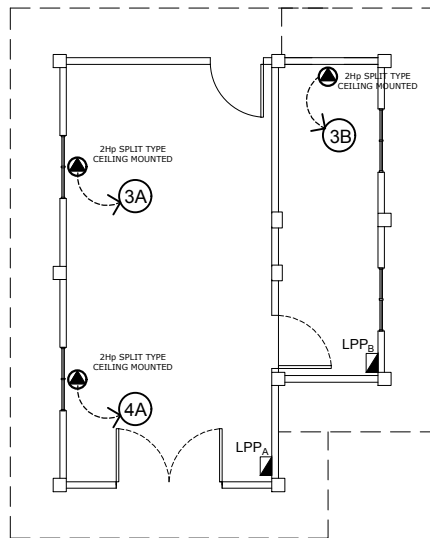


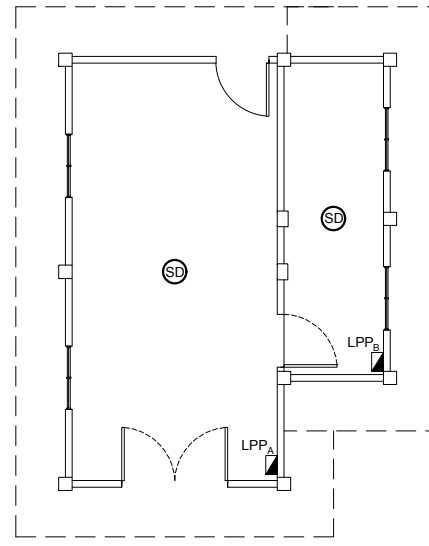
1 LIGHTING LAYOUT
E-1/E-1 SCALE 1:75MTS



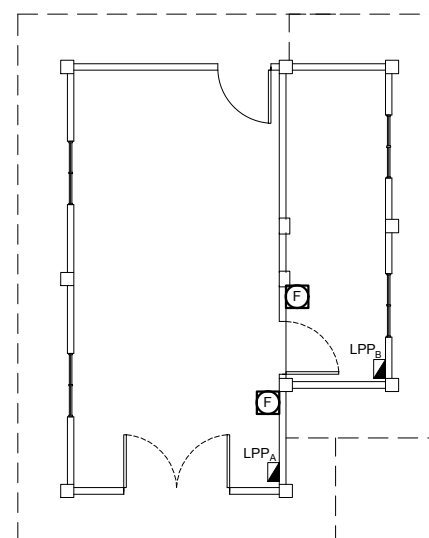
2 POWER LAYOUT
E-1/E-1 SCALE 1:75MTS



3 ACU LAYOUT
E-1/E-1 SCALE 1:75MTS



4 SMOKE DETECTORE LAYOUT
E-1/E-1 SCALE 1:75MTS



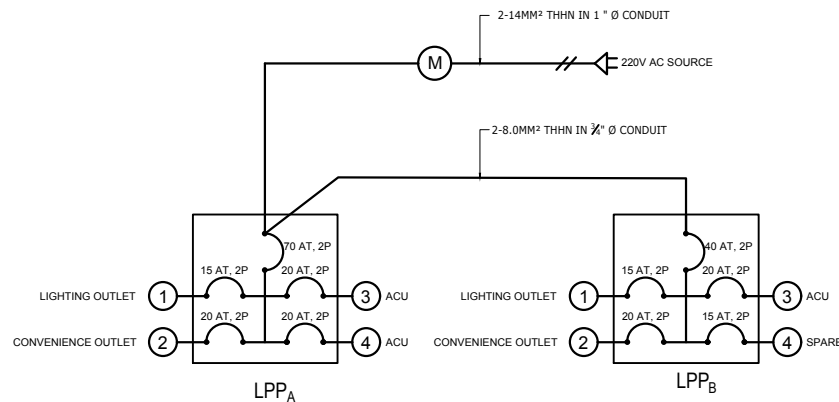
5 FIRE EXTINGUISHER LAYOUT
E-1/E-1 SCALE 1:75MTS

LOAD SCHEDULE FOR LPP_B

PANEL BOARD	CKT. NO.	LOAD DESCRIPTION	V	LO	SW	CO	OL	T	LOAD (VA)	AMP	CIRCUIT BREAKER			SIZE OF CONDUCTOR IN CONDUIT
											AT	AF	POLE	
	1	LIGHTING OUTLET	220	5	2	-	-	5	500	2.27	15	100	2	2-3.5 MM ² THHN IN 3/4" Ø CONDUIT
	2	CONVENIENCE OUTLET	220	-	-	6	-	6	2160	9.82	20	100	2	2-3.5 MM ² THHN IN 3/4" Ø CONDUIT
	3	ACU- 2Hp SPLIT TYPE CEILING MOUNTED	220	-	-	-	1	1	2000	9.09	20	100	2	2-5.5 MM ² THHN IN 3/4" Ø CONDUIT
	4	SPARE	220	-	-	-	-	-	-	-	15	100	2	3/4" Ø CONDUIT
	TOTAL			5	2	6	1	12	4660	21.18	40	100	2	2-8.0 MM ² THHN IN 1" Ø CONDUIT

LOAD SCHEDULE FOR LPP_A

PANEL BOARD	CKT. NO.	LOAD DESCRIPTION	V	LO	SW	CO	OL	T	LOAD (VA)	AMP	CIRCUIT BREAKER			SIZE OF CONDUCTOR IN CONDUIT
											AT	AF	POLE	
	1	LIGHTING OUTLET	220	8	3	-	-	8	800	3.64	15	100	2	2-3.5 MM ² THHN IN 3/4" Ø CONDUIT
	2	CONVENIENCE OUTLET	220	-	-	9	-	9	3240	14.73	20	100	2	2-3.5 MM ² THHN IN 3/4" Ø CONDUIT
	3	ACU- 2Hp SPLIT TYPE CEILING MOUNTED	220	-	-	-	1	1	2000	9.09	20	100	2	2-5.5 MM ² THHN IN 3/4" Ø CONDUIT
	4	ACU- 2Hp SPLIT TYPE CEILING MOUNTED	220	-	-	-	1	1	2000	9.09	20	100	2	2-5.5 MM ² THHN IN 3/4" Ø CONDUIT
	TOTAL			8	3	9	2	19	8040	36.65	70	100	2	2-14MM ² THHN IN 1" Ø CONDUIT



PANEL BOARD DETAIL /SINGLE LINE DIAGRAM

LEGEND :

- METER
- CIRCUIT BREAKER
- 12 WATT (LED FLAT LAMP)
- 40 WATT (0.30m X 1.21 m LED PANEL LIGHT)
- DUPLEX OUTLET
- PANEL BOARD
- CIRCUIT HOMERUN INDICATING CIRCUIT NUMBER
- ACU OUTLET
- S ONE GANG SWITCH
- Sa ONE GANG SWITCH INDICATING WHICH LAMP TO BE ON
- S2 TWO GANG SWITCH
- S3W THREE WAY SWITCH
- SF SWITCH FOR EXHAUST FAN
- SWITCH LINE
- POWER LINE
- SMOKE DETECTOR
- FIRE EXTINGUISHER

GENERAL PROVISIONS :

IT IS UNDERSTOOD AND AGREED THAT THE CONTRACTOR HAS, BY CAREFUL EXAMINATION OF THE ELECTRICAL PLANS AND SPECIFICATIONS AND THE SITE WHERE APPROPRIATE, SATISFIED HIMSELF AS TO THE NATURE AND LOCATION OF THE WORK, AND ALL CONDITIONS WHICH MUST BE MET IN ORDER TO CARRY OUT THE WORK UNDER THIS PROJECT.

SCOPE OF WORK :

- THE SCOPE OF WORK CONSISTS OF THE FURNISHING AND INSTALLING OF COMPLETE ELECTRICAL SYSTEMS-EXTERIOR AND INTERIOR, INCLUDING MISCELLANEOUS SYSTEMS. THE CONTRACTOR SHALL PROVIDE ALL SUPERVISION, LABOR, MATERIALS, EQUIPMENT, MACHINERY AND ANY AND ALL ITEMS NECESSARY TO COMPLETE THE ELECTRICAL SYSTEM(S).
- THE CONTRACTOR SHALL NOTE THAT ALL ITEMS OF EQUIPMENT ARE SPECIFIED IN SINGULAR; HOWEVER, THE CONTRACTOR SHALL PROVIDE AND INSTALL THE INSTALL THE NUMBER OF ITEMS AS INDICATED IN THE DRAWINGS AND AS REQUIRED FOR COMPLETE ELECTRICAL SYSTEM(S).
- IT IS THE INTENTION OF THE SPECIFICATIONS AND DRAWINGS TO CALL FOR FINISHED WORKS, TESTED, AND READY FOR USE/ OPERATION.
- ANY APPLIANCE, APPARATUS, MATERIAL OR WORK NOT SHOWN IN THE DRAWINGS BUT MENTIONED IN THE PROGRAM OF WORKS/ SPECIFICATIONS OR VICE VERSA, OR ANY INCIDENTAL ACCESSORIES NECESSARY TO MAKE THE WORK COMPLETE AND PERFECT IN ALL RESPECTS AND READY FOR OPERATION, EVEN IF NOT PARTICULARLY SPECIFIED, SHALL BE FURNISHED, DELIVERED AND INSTALLED BY THE CONTRACTOR WITHOUT ADDITIONAL EXPENSE TO THE PROVINCIAL GOVERNMENT OF BATANGAS.
- MINOR DETAILS NOT USUALLY SHOWN SPECIFIED BUT NECESSARY FOR PROPER INSTALLATION AND OPERATION SHALL BE FURNISHED OR INSTALLED BY THE CONTRACTOR.
- THE CONTRACTOR SHALL SECURE AND SUBMIT THE DULY APPROVED ELECTRICAL PERMIT, CERTIFICATE OF FINAL INSPECTION AND CERTIFICATE OF COMPLETION TO THE PROVINCIAL GOVERNMENT OF BATANGAS.

GENERAL NOTES :

- ALL ELECTRICAL INSTALLATION/ WORKS HEREIN SHALL BE DONE IN ACCORDANCE WITH THE APPROVED PLANS AND SPECIFICATIONS.
- ALL ELECTRICAL INSTALLATION SHALL CONFORM WITH THE LATEST EDITION OF THE PHILIPPINE ELECTRICAL CODE.
- ALL ELECTRICAL WORKS HEREIN SHALL BE UNDER THE IMMEDIATE SUPERVISION OF A DULY LICENSED ELECTRICAL ENGINEER.
- ALL MATERIALS TO BE USED AND THE EQUIPMENT TO BE INSTALLED SHALL BE BRAND NEW AND OF APPROVED TYPE FOR THE PARTICULAR LOCATION AND PURPOSE INTENDED.
- MOUNTING HEIGHT FOR SWITCHES SHALL BE 1.40 METER(S) ROM FINISHED FLOOR LINE..
- CONVENIENCE OUTLETS SHALL BE 0.30METER FROM FINISHED FLOOR LINE UNLESS OTHERWISE SPECIFIED.
- PANEL BOARDS SHALL NOT BE MORE THAN 1.50 METER(S) FROM FINISHED FLOOR LINE, FOR PANEL BOARDS WITH EIGHT OR MORE BRANCHES, MOUNTING HEIGHT SHALL BE 1.50METER (S) MEASURED FROM ITS MID-HEIGHT AND FINISHED FLOOR LINE.
- ELECTRICAL DISTRIBUTION SHALL BE CONCEALED AND DONE OVERHEAD.



REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF AGRICULTURE
PHILIPPINE RURAL DEVELOPMENT PROJECT
PROVINCE OF BATANGAS

PROJECT TITLE:
CONSTRUCTION OF COFFEE PROCESSING
CENTER AT BRGY. AGA, NASUGBU, BATANGAS
LOCATION: NASUGBU, BATANGAS

CAD BY:
VINCENT JOHN M. AMORADO
CAD OPERATOR
CHECKED BY:
LEO B. GUARIN
ARCHITECT III

PROJECT ENGINEER:
ROSEMARIE D. DE LOS REYES
ENGINEER I
CHECKED BY:
NIÑO VEN E. PETORAL
ENGINEER III

APPROVED BY :
GILBERT P. GATDULA
PROVINCIAL GOVERNMENT DEPT. HEAD

APPROVED BY :
HON. HERMILANDO I. MANDANAS
GOVERNOR

SHEET NO.
E-1
9 OF 9

