

EXISTING PANELBOARD 2

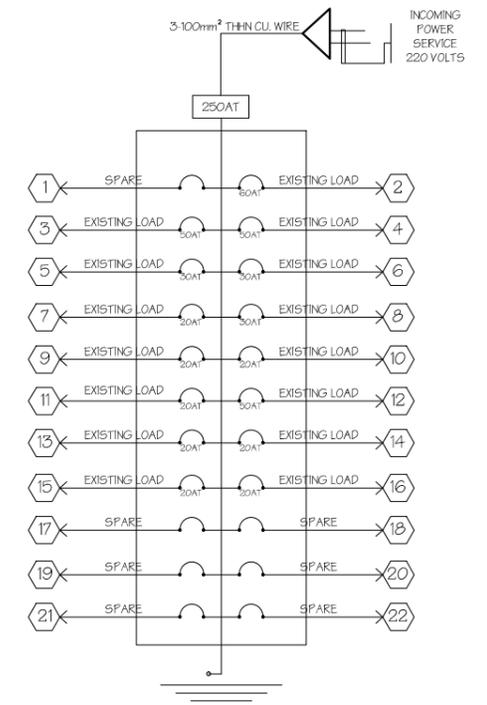
CKT. NO.	LOAD DESCRIPTION	QTY.	VOLTAGE	TOTAL VA	AMP/CKT	AMP/PHASE			CKT.PROTECTION		WIRE		CONDUIT		
						AB	BC	CA	AT	AF	mm.sq	TYPE	mm	TYPE	
1	SPARE		220												
2	EXISTING LOAD		220						60	100	3 - 5.5	THHN	20	PVC	
3	EXISTING LOAD		220						50	50		THHN	20	PVC	
4	EXISTING LOAD		220						50	50		THHN	20	PVC	
5	EXISTING LOAD		220						30	50		THHN	20	PVC	
6	EXISTING LOAD		220						30	50		THHN	20	PVC	
7	EXISTING LOAD		220						20	50		THHN	20	PVC	
8	EXISTING LOAD		220						30	50		THHN	20	PVC	
9	EXISTING LOAD		220						20	50		THHN	20	PVC	
10	EXISTING LOAD		220						20	50		THHN	20	PVC	
11	EXISTING LOAD		220						20	50		THHN	20	PVC	
12	EXISTING LOAD		220						50	50		THHN	20	PVC	
13	EXISTING LOAD		220						20	50		THHN	20	PVC	
14	EXISTING LOAD		220						20	50		THHN	20	PVC	
15	EXISTING LOAD		220						20	50		THHN	20	PVC	
16	EXISTING LOAD		220						20	50		THHN	20	PVC	
17	SPARE		220												
18	SPARE		220												
19	SPARE		220												
20	SPARE		220												
21	SPARE		220												
22	SPARE		220												
TOTAL					24.6	26.6	19.8								

FOR FEEDER CONDUCTOR

3 - 100mm.sq. THHN CU. WIRE IN 85mm PVC PIPE

FOR FEEDER PROTECTION

250AT, 300AT THREE PHASE, 220V, 60HZ, MCCB BOLT ON TYPE



EXISTING PANEL BOARD 2 DIAGRAM

PROPOSED PANELBOARD 2

CKT. NO.	LOAD DESCRIPTION	QTY.	VOLTAGE	TOTAL VA	AMP/CKT	AMP/PHASE			CKT.PROTECTION		WIRE		CONDUIT		
						AB	BC	CA	AT	AF	mm.sq	TYPE	mm	TYPE	
1	C1 - SPO		220		30	30					3 - 8.0	THHN	32	PVC	
2	EXISTING LOAD		220		10		10		60	100	3 - 5.5	THHN	20	PVC	
3	EXISTING LOAD		220		5			5	50	50		THHN	20	PVC	
4	EXISTING LOAD		220		5	5			50	50		THHN	20	PVC	
5	C2 - SPO		220		30		30		50	50	3 - 8.0	THHN	32	PVC	
6	C3 - WELDING MACHINE		220		100			100	125	200	3 - 38	THHN	50	PVC	
7	C4 - WELDING MACHINE		220		100	100			125	200	3 - 38	THHN	50	PVC	
8	EXISTING LOAD		220		2		2		30	50		THHN	20	PVC	
9	EXISTING LOAD		220		2			2	20	50		THHN	20	PVC	
10	EXISTING LOAD		220		2	2			20	50		THHN	20	PVC	
11	EXISTING LOAD		220		2		2		20	50		THHN	20	PVC	
12	EXISTING LOAD		220		2			2	50	50		THHN	20	PVC	
13	EXISTING LOAD		220		2	2			20	50		THHN	20	PVC	
14	EXISTING LOAD		220		2		2		20	50		THHN	20	PVC	
15	EXISTING LOAD		220		2			2	20	50		THHN	20	PVC	
16	EXISTING LOAD		220		2	2			20	50		THHN	20	PVC	
17	SPARE		220		2		2								
18	SPARE		220		2			2							
19	SPARE		220		2	2									
20	SPARE		220		2		2								
21	LIGHTING OUTLET	24	220	2400	10.91			10.91	20	50		THHN	20	PVC	
22	LIGHTING OUTLET	24	220	2400	10.91			10.91	20	50		THHN	20	PVC	
TOTAL					143	60.91	123.91								

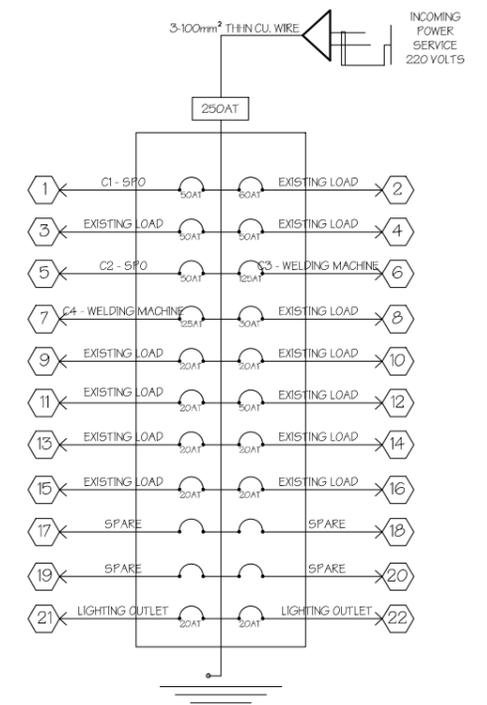
LINE CURRENT = 143×1.73
= 247.39 A

FOR FEEDER CONDUCTOR

3 - 100mm.sq. THHN CU. WIRE IN 85mm PVC PIPE

FOR FEEDER PROTECTION

250AT, 300AT THREE PHASE, 220V, 60HZ, MCCB BOLT ON TYPE



PROPOSED PANEL BOARD 2 DIAGRAM



R.A. 9266 - ART. 3, SECTION 20

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PROPOSED IMPROVEMENT FOR THE RICE ENGINEERING AND MECHANIZATION DIVISION
PHILRICE-CES
MALIGAYA SCIENCE CITY OF MUNOZ, NUEVA ECUIJA

PRODUCED BY:
PHYSICAL PLANT DIVISION
INFRASTRUCTURE UNIT
PHILRICE
SCIENCE CITY OF MUNOZ, NUEVA ECUIJA

DESIGN BY:

NOTED:

Arch. RENATO B. BAJIT
PPD DIVISION HEAD
PHILRICE - CES

END USER:

ARNOLD S. JULIANO
HEAD, REMP
PHILRICE - CES

RECOMMENDING APPROVAL:

ABNER T. MONTECALVO
DED FOR ASB
PHILRICE - CES

APPROVED:

DR. SAULLA E. ABDULA
EXECUTIVE DIRECTOR
PHILRICE - CES

DESIGNED BY: RBB

DATE: JULY 2016

CADD BY: JOY

DATE: JULY 2016

CHECKED BY: RBB

SHEET NUMBER:

E8

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