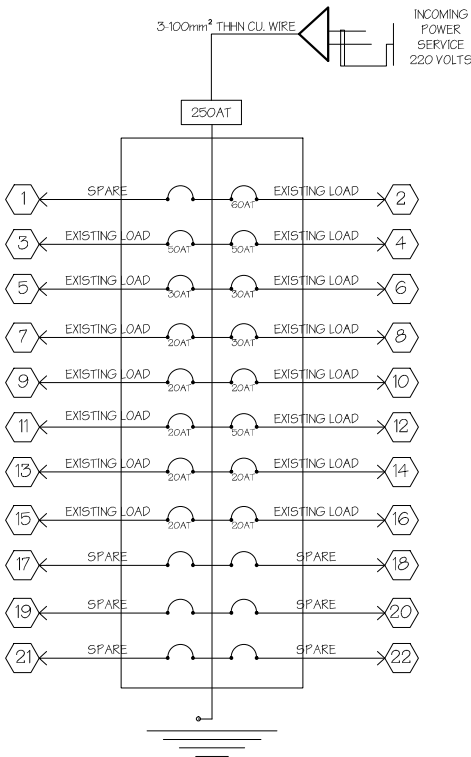


EXISTING PANELBOARD 2

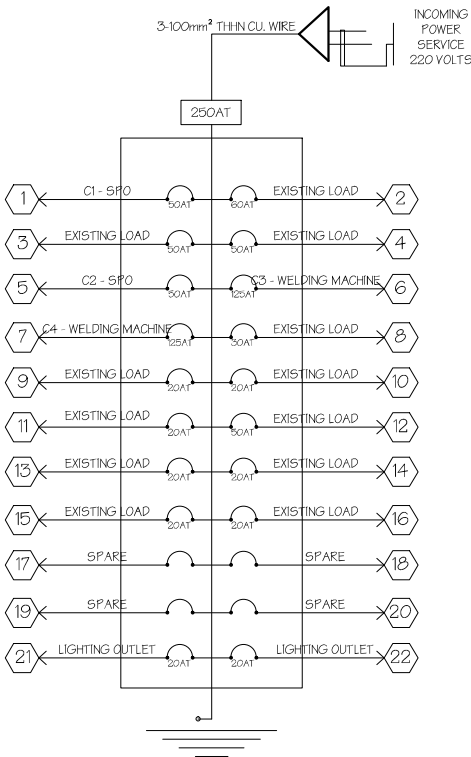
CKT. NO.	LOAD DESCRIPTION	QTY.	VOLTAGE	TOTAL VA	AMP/CKT	AMP/PHASE			CKT.PROTECTION		WIRE		CONDUIT	
						AB	BC	CA	AT	AF	mm.sq	TYPE	mm	TYPE
1	SPARE		220											
2	EXISTING LOAD		220						60	100	3 - 5.5	THHN	20	PVC
3	EXISTING LOAD		220						50	50		THHN	20	PVC
4	EXISTING LOAD		220						50	50		THHN	20	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						



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			50	50	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						



PROPOSED PANEL BOARD 2 DIAGRAM

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

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