PANEL NAME: LPA EXISTING
BUS AMPS: 100 AMPS — MAIN: LUGS 100 AMPS — SYSTEM VOLTAGE: 208/120V 3ø, 4W
A.I.C. RATING: — MOUNTING:SURFACE

CIRC NO	TRIP POLE	DESCRIPTION		CAT	A	B	C	CAT	DESCRIPTION		TRIP POLE	CIRC NO
1	20/1	SALES LTG	C1/TC	LG	1.7 / 0.4			LG	CANOPY LTG	C4/TC	20/1	2
3	20/1	SALES LTG	C1/TC	LG		1.4 / 1.3		LG	CANOPY LTG	C4/TC	20/1	4
5	20/1	SALES LTG	C1/TC	LG			1.6 / 1.3	LG	CANOPY LTG	C4/TC	20/1	6
7	20/1	SALES LTG	C1/TC	LG	1.4 / 1.3			LG	CANOPY LTG	C4/TC	20/1	8
9	20/1	SALES LTG	C1/TC	LG		1.7 / 1.2		S	STORE SIGN	C4/TC	20/1	10
11	20/1	SALES LTG	C1/TC	LG			1.5 / 1.2	LG	EXISTING EXTERIOR LTG	C4/TC	20/1	12
13	20/1	SALES LTG	C1/TC	LG	1.5				SPARE		20/1	14
15	20/1	SALES LTG	C1/TC	LG		1.8			SPARE		20/1	16
17	20/1	VESTIBULE LTG	C1/TC	LG			0.6 / 1.2	S	STORE SIGN	C4/TC	20/1	18
19	20/1	CORRIDOR LTG	C1/TC	LG	0.3				SPARE		20/1	20
21	20/1	SPARE							SPARE		20/1	22
23	20/1	SPARE							SPARE		20/1	24
25	20/1	SPARE							SPARE		20/1	26
27	20/1	SPARE							SPARE		20/1	28
29	20/1	SPARE							SPARE		20/1	30
31	20/1	SPARE							SPARE		20/1	32
33	20/1	SPARE							SPARE		20/1	34
35	20/1	SPARE							SPARE		20/1	36
37	20/1	SPARE							SPARE		20/1	38
39	20/1	SPARE							SPARE		20/1	40
41	20/1	SPARE							SPARE		20/1	42
		PHASE TOTALS			6.6	7.4	7.4					

CONNECTED LOAD SUMMARY (KVA)
GENERAL LIGHTING: 19.0 COOLING: 0.0 ØA= 55 AMPS
TRACK LIGHTING: 0.0 HEATING: 0.0 ØB= 62 AMPS
SIGNS: 2.4 REFRIG.EQUIP. 0.0 ØC= 62 AMPS
SHOW WINDOW: 0.0 MOTORS: 0.0 TOT= 60 AMPS
RECEPTACLES: 0.0 WATER HTG: 0.0 NEUT 7 AMPS
MISCELLANEOUS: 0.0 LARGEST MTR 0.0 HP
CONNECTED LOAD 21.4 KVA 60 AMPS
DEMAND LOAD 26.8 KVA 74 AMPS
FEEDER LOAD 74 AMPS
FEEDER SIZE #3 CU

PANEL NAME: RPA EXISTING
BUS AMPS: 225 AMPS — MAIN: LUGS 225 AMPS — SYSTEM VOLTAGE: 208/120V 3ø, 4W
A.I.C. RATING: — MOUNTING:SURFACE

CIRC NO	TRIP POLE	DESCRIPTION	CAT	A	B	C	CAT	DESCRIPTION	TRIP POLE	CIRC NO
1	20/1	SPARE						SPARE	20/1	2
3	20/1	SPARE						SPARE	20/1	4
5	20/1	SPARE						SPARE	20/1	6
7	20/1	SPARE						SPARE	20/1	8
9	20/1	SPARE						SPARE	20/1	10
11	20/1	SPARE						SPARE	20/1	12
13	20/1	SPARE						SPARE	20/1	14
15	20/1	SPARE						SPARE	20/1	16
17	20/1	SPARE						SPARE	20/1	18
19	20/1	SPARE						SPARE	20/1	20
21	20/1	SPARE						SPARE	20/1	22
23	20/1	SPARE						SPARE	20/1	24
25	20/1	SPARE						SPARE	20/1	26
27	20/1	SPARE						SPARE	20/1	28
29	20/1	SPARE						SPARE	20/1	30
31	20/1	SPARE						SPARE	20/1	32
33	20/1	SPARE						SPARE	20/1	34
35	20/1	SPARE						SPARE	20/1	36
37	20/1	SPARE						SPARE	20/1	38
39	20/1	SPARE						SPARE	20/1	40
41	20/1	SPARE						SPARE	20/1	42
		PHASE TOTALS		0.0	0.0	0.0				

CONNECTED LOAD SUMMARY (KVA)
GENERAL LIGHTING: 0.0 COOLING: 0.0 ØA= 0 AMPS
TRACK LIGHTING: 0.0 HEATING: 0.0 ØB= 0 AMPS
SIGNS: 0.0 REFRIG.EQUIP. 0.0 ØC= 0 AMPS
SHOW WINDOW: 0.0 MOTORS: 0.0 TOT= 0 AMPS
RECEPTACLES: 0.0 WATER HTG: 0.0 NEUT 0 AMPS
MISCELLANEOUS: 0.0 LARGEST MTR 0.0 HP
CONNECTED LOAD 0.0 KVA 0 AMPS
DEMAND LOAD 0.0 KVA 0 AMPS
FEEDER LOAD 0 AMPS
FEEDER SIZE #4/0 CU

PANEL NAME: RF EXISTING
BUS AMPS: 100 AMPS — MAIN: LUGS 100 AMPS — SYSTEM VOLTAGE: 208/120V 3ø, 4W
A.I.C. RATING: — MOUNTING:SURFACE

CIRC NO	TRIP POLE	DESCRIPTION	CAT	A	B	C	CAT	DESCRIPTION	TRIP POLE	CIRC NO
1	20/1	SYSTEM 1A FANS	M	0.3 / 0.1			M	SYSTEM 3A FANS	20/1	2
3	20/1	SYSTEM 2A FANS	M		0.3 / 0.3		M	SYSTEM 3B FANS	20/1	4
5	20/1	SYSTEM 2B FANS	M			0.2 / 0.7	M	SYSTEM 3C FANS	20/1	6
7	20/1	SYSTEM 2C FANS	M	0.2 / 0.1			M	SYSTEM 3D FANS	20/1	8
9	20/1	SYSTEM 2D FANS	M		0.2 / 0.1		M	SYSTEM 3E FANS	20/1	10
11	20/1	SYSTEM 2E FANS	M			0.3 / 0.1	M	SYSTEM 3F FANS	20/1	12
13	20/1	SYSTEM 2F FANS	M	0.3 / 0.1			M	SYSTEM 3G FANS	20/1	14
15	20/1	SPARE						SPARE	20/1	16
17	20/1	SPARE						SPARE	20/1	18
19	20/1	SPARE						SPARE	20/1	20
21	20/1	SPARE						SPARE	20/1	22
23	20/1	SPARE						SPARE	20/1	24
25	20/1	SPARE						SPARE	20/1	26
27	20/1	SPARE						SPARE	20/1	28
29	20/1	SPARE						SPARE	20/1	30
		PHASE TOTALS		1.2	0.9	1.3				

CONNECTED LOAD SUMMARY (KVA)
GENERAL LIGHTING: 0.0 COOLING: 0.0 ØA= 10 AMPS
TRACK LIGHTING: 0.0 HEATING: 0.0 ØB= 7 AMPS
SIGNS: 0.0 REFRIG.EQUIP. 0.0 ØC= 11 AMPS
SHOW WINDOW: 0.0 MOTORS: 0.0 TOT= 9 AMPS
RECEPTACLES: 0.0 WATER HTG: 0.0 NEUT 3 AMPS
MISCELLANEOUS: 3.4 LARGEST MTR 0.0 HP
CONNECTED LOAD 3.4 KVA 9 AMPS
DEMAND LOAD 3.4 KVA 9 AMPS
FEEDER LOAD 9 AMPS
FEEDER SIZE #3 CU

PANEL NAME: RH EXISTING
BUS AMPS: 100 AMPS — MAIN: LUGS 100 AMPS — SYSTEM VOLTAGE: 208/120V 3ø, 4W
A.I.C. RATING: — MOUNTING:SURFACE

CIRC NO	TRIP POLE	DESCRIPTION	CAT	A	B	C	CAT	DESCRIPTION	TRIP POLE	CIRC NO
1	20/1	SYSTEM 1A ANTI-SWEATS	M	0.7				SPARE	20/1	2
3	20/1	SYSTEM 2A ANTI-SWEATS	M		0.5			SPARE	20/1	4
5	20/1	SYSTEM 2B ANTI-SWEATS	M			0.4		SPARE	20/1	6
7	20/1	SYSTEM 2C ANTI-SWEATS	M	0.4				SPARE	20/1	8
9	20/1	SYSTEM 2D ANTI-SWEATS	M		0.5			SPARE	20/1	10
11	20/1	SYSTEM 2E ANTI-SWEATS	M			0.5		SPARE	20/1	12
13	20/1	SYSTEM 2F ANTI-SWEATS	M	0.7				SPARE	20/1	14
15	20/1	SPARE						SPARE	20/1	16
17	20/1	SPARE						SPARE	20/1	18
19	20/1	SPARE						SPARE	20/1	20
21	20/1	SPARE						SPARE	20/1	22
23	20/1	SPARE						SPARE	20/1	24
25	20/1	SPARE						SPARE	20/1	26
27	20/1	SPARE						SPARE	20/1	28
29	20/1	SPARE						SPARE	20/1	30
		PHASE TOTALS		1.8	1.0	0.9				

CONNECTED LOAD SUMMARY (KVA)
GENERAL LIGHTING: 0.0 COOLING: 0.0 ØA= 15 AMPS
TRACK LIGHTING: 0.0 HEATING: 0.0 ØB= 8 AMPS
SIGNS: 0.0 REFRIG.EQUIP. 0.0 ØC= 7 AMPS
SHOW WINDOW: 0.0 MOTORS: 0.0 TOT= 10 AMPS
RECEPTACLES: 0.0 WATER HTG: 0.0 NEUT 8 AMPS
MISCELLANEOUS: 3.7 LARGEST MTR 0.0 HP
CONNECTED LOAD 3.7 KVA 10 AMPS
DEMAND LOAD 3.7 KVA 10 AMPS
FEEDER LOAD 10 AMPS
FEEDER SIZE #3 CU

PANEL NAME: EM EXISTING
BUS AMPS: 225 AMPS — MAIN: LUGS 225 AMPS — SYSTEM VOLTAGE: 208/120V 3ø, 4W
A.I.C. RATING: — MOUNTING:SURFACE

CIRC NO	TRIP POLE	DESCRIPTION	CAT	A	B	C	CAT	DESCRIPTION	TRIP POLE	CIRC NO
1	45/3	COMPRESSOR	REF	3.4 / 1.5			LG	SALES AREA EM/NL	20/1	2
3			REF		3.4 / 1.6		LG	SALES AREA EM/NL	20/1	4
5			REF			3.4 / 1.3	LG	SALES AREA EM/NL	20/1	6
7	20/1	MGR'S OFFICE REC	R	0.7				SPARE	20/1	8
9	20/1	TELEPHONE BOARD	M		1.2			SPARE	20/1	10
11	20/1	CASH DESK	M			0.6		SPARE	20/1	12
13	20/1	SPARE						SPARE	20/1	14
15	20/1	SPARE						SPARE	20/1	16
17	20/1	SPARE						SPARE	20/1	18
19	20/1	SPARE						SPARE	20/1	20
21	20/1	SPARE						SPARE	20/1	22
23	20/1	SPARE						SPARE	20/1	24
25	20/1	SPARE						SPARE	20/1	26
27	20/1	SPARE						SPARE	20/1	28
29	20/1	SPARE						SPARE	20/1	30
31	20/1	SPARE						SPARE	20/1	32
33	20/1	SPARE						SPARE	20/1	34
35	20/1	SPARE						SPARE	20/1	36
37	20/1	SPARE						SPARE	20/1	38
39	20/1	SPARE						SPARE	20/1	40
41	20/1	SPARE						SPARE	20/1	42
		PHASE TOTALS		5.6	6.2	5.3				

CONNECTED LOAD SUMMARY (KVA)
GENERAL LIGHTING: 4.4 COOLING: 0.0 ØA= 47 AMPS
TRACK LIGHTING: 0.0 HEATING: 0.0 ØB= 52 AMPS
SIGNS: 0.0 REFRIG.EQUIP. 10.2 ØC= 44 AMPS
SHOW WINDOW: 0.0 MOTORS: 0.0 TOT= 48 AMPS
RECEPTACLES: 0.7 WATER HTG: 0.0 NEUT 7 AMPS
MISCELLANEOUS: 1.8 LARGEST MTR 0.0 HP
CONNECTED LOAD 17.1 KVA 48 AMPS
DEMAND LOAD 18.2 KVA 51 AMPS
FEEDER LOAD 51 AMPS
FEEDER SIZE #4/0 CU

PANEL NAME: LPB EXISTING
BUS AMPS: 100 AMPS — MAIN: LUGS 100 AMPS — SYSTEM VOLTAGE: 208/120V 3ø, 4W
A.I.C. RATING: — MOUNTING:SURFACE

CIRC NO	TRIP POLE	DESCRIPTION		CAT	A	B	C	CAT	DESCRIPTION		TRIP POLE	CIRC NO
1	20/1	SALES LTG	C2	LG	1.7 / 0.6			LG	STOCKROOM LTG	C2	20/1	2
3	20/1	SALES LTG	C2	LG		1.4 / 0.6		LG	STOCKROOM LTG	C2	20/1	4
5	20/1	SALES LTG	C2	LG			1.6 / 0.9	LG	WALK-IN COOLER LTG		20/1	6
7	20/1	SALES LTG	C2	LG	1.4 / 0.3			LG	TOILET ROOM LTG		20/1	8
9	20/1	SALES LTG	C2	LG		1.7 / 1.0		LG	BACK ROOM LTG		20/1	10
11	20/1	SALES LTG	C2	LG			1.5		SPARE		20/1	12
13	20/1	SALES LTG	C2	LG	1.5				SPARE		20/1	14
15	20/1	SALES LTG	C2	LG		1.8			SPARE		20/1	16
17	20/1	VESTIBULE LTG	C2	LG			0.6		SPARE		20/1	18
19	20/1	SPARE							SPARE		20/1	20
21	20/1	SPARE							SPARE		20/1	22
23	20/1	SPARE							SPARE		20/1	24
25	20/1	SPARE							SPARE		20/1	26
27	20/1	SPARE							SPARE		20/1	28
29	20/1	SPARE							SPARE		20/1	30
31	20/1	SPARE							SPARE		20/1	32
33	20/1	SPARE							SPARE		20/1	34
35	20/1	SPARE							SPARE		20/1	36
37	20/1	SPARE							SPARE		20/1	38
39	20/1	SPARE							SPARE		20/1	40
41	20/1	SPARE							SPARE		20/1	42
		PHASE TOTALS			5.5	6.5	4.6					

CONNECTED LOAD SUMMARY (KVA)
GENERAL LIGHTING: 16.6 COOLING: 0.0 ØA= 46 AMPS
TRACK LIGHTING: 0.0 HEATING: 0.0 ØB= 54 AMPS
SIGNS: 0.0 REFRIG.EQUIP. 0.0 ØC= 39 AMPS
SHOW WINDOW: 0.0 MOTORS: 0.0 TOT= 46 AMPS
RECEPTACLES: 0.0 WATER HTG: 0.0 NEUT 14 AMPS
MISCELLANEOUS: 0.0 LARGEST MTR 0.0 HP
CONNECTED LOAD 16.6 KVA 46 AMPS
DEMAND LOAD 58 AMPS
FEEDER LOAD 20.8 KVA 58 AMPS
FEEDER SIZE #3 CU

PANEL NAME: RPB EXISTING
BUS AMPS: 225 AMPS — MAIN: LUGS 225 AMPS — SYSTEM VOLTAGE: 208/120V 3ø, 4W
A.I.C. RATING: — MOUNTING:SURFACE

CIRC NO	TRIP POLE	DESCRIPTION	CAT	A	B	C	CAT	DESCRIPTION	TRIP POLE	CIRC NO
1	20/1	CASH DESK REC.	M	0.6 / 1.2			MTR	DOOR OPERATORS	20/1	2
3	20/1	CASH DESK REC.	M		0.6 / 1.5		M	COFFE GRINDER	20/1	4
5	20/1	CASH DESK REC.	M			0.6 / 0.5	R	MGRS' OFFICE PLUGMOLD	20/1	6
7	20/1	CASH DESK REC.	M	0.6 / 0.4			R	MGRS' OFFICE RECEPTACLES	20/1	8
9	20/1	SALES RECEPTACLES	R		0.7 / 0.7		R	MGRS' OFFICE RECEPTACLES	20/1	10
11	20/1	SALES RECEPTACLES	R			1.1 / 1.0	M	DOOR & DRAIN HEAT TRACE	20/1	12
13	20/1	STOCKROOM RECEPTACLES	R	1.4				SPARE	20/1	14
15	20/1	DEMO ROOM RECEPTACLES	R		0.5 / 0.7		R	SALES SUPPORT RECEPTACLES	20/1	16
17	20/1	DEMO STATION RECEPTACLES	R			0.5 / 0.7	R	SALES SUPPORT RECEPTACLES	20/1	18
19	20/1	DEMO STATION RECEPTACLES	M	0.5 / 0.5			R	ROOF RECEPTACLES	20/1	20
21	20/1	DEMO STATION RECEPTACLES	M		1.5 / 0.5		MTR	EF-1	20/1	22
23	20/1	DEMO STATION RECEPTACLES	M			1.7		SPARE	20/1	24
25	20/1	DEMO STATION RECEPTACLES	M	1.8				SPARE	20/1	26
27	20/1	DEMO STATION RECEPTACLES	M		0.3			SPARE	20/1	28
29	20/1	DEMO STATION RECEPTACLES	M			0.4		SPARE	20/1	30
31	20/1	TOILET ROOM RECEPTACLES	R	0.4				SPARE	20/1	32
33	20/1	HAND DRYER	M		1.5			SPARE	20/1	34
35	20/1	HAND DRYER	M			1.5		SPARE	20/1	36
37	20/1	WATER COOLER		0.8 / 2.0			WH	WATER HEATER	25/3	38
39	20/1	SPARE			2.0		WH			40
41	20/1	SPARE				2.0	WH			42
		PHASE TOTALS		10.2	10.6	10.1				

CONNECTED LOAD SUMMARY (KVA)
GENERAL LIGHTING: 0.0 COOLING: 0.0 ØA= 85 AMPS
TRACK LIGHTING: 0.0 HEATING: 0.0 ØB= 88 AMPS
SIGNS: 0.0 REFRIG.EQUIP. 0.0 ØC= 84 AMPS
SHOW WINDOW: 0.0 MOTORS: 1.7 TOT= 86 AMPS
RECEPTACLES: 8.3 WATER HTG: 6.0 NEUT 4 AMPS
MISCELLANEOUS: 14.1 LARGEST MTR 0.5 HP
CONNECTED LOAD 30.9 KVA 86 AMPS
DEMAND LOAD 30.1 KVA 84 AMPS
FEEDER LOAD 84 AMPS
FEEDER SIZE #4/0 CU

PANEL NAME: IGB EXISTING
BUS AMPS: 100 AMPS — MAIN: LUGS 100 AMPS — SYSTEM VOLTAGE: 208/120V 3ø, 4W
A.I.C. RATING: — MOUNTING:SURFACE

CIRC NO	TRIP POLE	DESCRIPTION		CAT	A	B	C	CAT	DESCRIPTION	TRIP POLE	CIRC NO
1	20/1	CASH DESK	I.G.	M	1.5				SPARE	20/1	2
3	20/1	CASH DESK	I.G.	M		1.5			SPARE	20/1	4
5	20/1	CASH DESK	I.G.	M			1.5		SPARE	20/1	6
7	20/1	CASH DESK	I.G.	M	1.5				SPARE	20/1	8
9	20/1	EMPLOYEE CLOCK	I.G.	M		0.2			SPARE	20/1	10
11	20/1	SPARE							SPARE	20/1	12
13	20/1	SPARE							SPARE	20/1	14
15	20/1	SPARE							SPARE	20/1	16
17	20/1	SPARE							SPARE	20/1	18
19	20/1	SPARE							SPARE	20/1	20
21	20/1	SPARE							SPARE	20/1	22
23	20/1	SPARE							SPARE	20/1	24
25	20/1	SPARE							SPARE	20/1	26
27	20/1	SPARE							SPARE	20/1	28
29	20/1	SPARE							SPARE	20/1	30
31	20/1	SPARE							SPARE	20/1	32
33	20/1	SPARE							SPARE	20/1	34
35	20/1	SPARE							SPARE	20/1	36
37	20/1	SPARE							SPARE	20/1	38
39	20/1	SPARE							SPARE	20/1	40
41	20/1	SPARE							SPARE	20/1	42
		PHASE TOTALS			3.0	1.7	1.5				

CONNECTED LOAD SUMMARY (KVA)
GENERAL LIGHTING: 0.0 COOLING: 0.0 ØA= 25 AMPS
TRACK LIGHTING: 0.0 HEATING: 0.0 ØB= 14 AMPS
SIGNS: 0.0 REFRIG.EQUIP. 0.0 ØC= 13 AMPS
SHOW WINDOW: 0.0 MOTORS: 0.0 TOT= 17 AMPS
RECEPTACLES: 0.0 WATER HTG: 0.0 NEUT 12 AMPS
MISCELLANEOUS: 6.2 LARGEST MTR 0.0 HP
CONNECTED LOAD 6.2 KVA 17 AMPS
DEMAND LOAD 17 AMPS
FEEDER LOAD 6.2 KVA 17 AMPS
FEEDER SIZE #3 CU

PANEL NAME: RL EXISTING
BUS AMPS: 100 AMPS — MAIN: LUGS 100 AMPS — SYSTEM VOLTAGE: 208/120V 3ø, 4W
A.I.C. RATING: — MOUNTING:SURFACE

CIRC NO	TRIP POLE	DESCRIPTION		CAT	A	B	C	CAT	DESCRIPTION		TRIP POLE	CIRC NO
1	20/1	SYSTEM 1A LTS	C3/TC	LG	0.3 / 0.4			LG	SYSTEM 3A LTS	C3/TC	20/1	2
3	20/1	SYSTEM 2A LTS	C3/TC	LG		0.1 / 0.5		LG	SYSTEM 3B LTS	C3/TC	20/1	4
5	20/1	SYSTEM 2B LTS	C3/TC	LG			0.2 / 1.1	LG	SYSTEM 3D LTS	C3/TC	20/1	6
7	20/1	SYSTEM 2C LTS	C3/TC	LG	0.2 / 1.5			LG	SYSTEM 3E LTS	C3/TC	20/1	8
9	20/1	SYSTEM 2D LTS	C3/TC	LG		0.2 / 1.7		LG	SYSTEM 3F LTS	C3/TC	20/1	10
11	20/1	SYSTEM 2E LTS	C3/TC	LG			0.1 / 1.7	LG	SYSTEM 3G LTS	C3/TC	20/1	12
13	20/1	SYSTEM 2F LTS	C3/TC	LG	0.3				SPARE		20/1	14
15	20/1	SPARE							SPARE		20/1	16
17	20/1	SPARE							SPARE		20/1	18
19	20/1	SPARE							SPARE		20/1	20
21	20/1	SPARE							SPARE		20/1	22
23	20/1	SPARE							SPARE		20/1	24
25	20/1	SPARE							SPARE		20/1	26
27	20/1	SPARE							SPARE		20/1	28
29	20/1	SPARE							SPARE		20/1	30
31	20/1	SPARE							SPARE		20/1	32
33	20/1	SPARE							SPARE		20/1	34
35	20/1	SPARE							SPARE		20/1	36
37	20/1	SPARE							SPARE		20/1	38
39	20/1	SPARE							SPARE		20/1	40
41	20/1	SPARE							SPARE		20/1	42
		PHASE TOTALS			2.6	2.6	3.1					

CONNECTED LOAD SUMMARY (KVA)
GENERAL LIGHTING: 8.2 COOLING: 0.0 ØA= 21 AMPS
TRACK LIGHTING: 0.0 HEATING: 0.0 ØB= 21 AMPS
SIGNS: 0.0 REFRIG.EQUIP. 0.0 ØC= 26 AMPS
SHOW WINDOW: 0.0 MOTORS: 0.0 TOT= 23 AMPS
RECEPTACLES: 0.0 WATER HTG: 0.0 NEUT 4 AMPS
MISCELLANEOUS: 0.0 LARGEST MTR 0.0 HP
CONNECTED LOAD 8.2 KVA 23 AMPS
DEMAND LOAD 10.2 KVA 28 AMPS
FEEDER LOAD 28 AMPS
FEEDER SIZE #3 CU

PANEL NAME: IGA EXISTING
BUS AMPS: 225 AMPS — MAIN: LUGS 225 AMPS — SYSTEM VOLTAGE: 208/120V 3ø, 4W
A.I.C. RATING: — MOUNTING:SURFACE

CIRC NO	TRIP POLE	DESCRIPTION		CAT	A	B	C	CAT	DESCRIPTION	TRIP POLE	CIRC NO
1	20/1	MGR'S OFFICE REC	I.G.	R	0.7				SPARE	20/1	2
3	20/1	TELEPHONE BOARD	I.G.	M		1.2			SPARE	20/1	4
5	20/1	CASH DESK	I.G.	M			1.5		SPARE	20/1	6
7	20/1	SPARE							SPARE	20/1	8
9	20/1	SPARE							SPARE	20/1	10
11	20/1	SPARE							SPARE	20/1	12
13	20/1	SPARE							SPARE	20/1	14
15	20/1	SPARE							SPARE	20/1	16
17	20/1	SPARE							SPARE	20/1	18
19	20/1	SPARE							SPARE	20/1	20
21	20/1	SPARE							SPARE	20/1	22
23	20/1	SPARE							SPARE	20/1	24
25	20/1	SPARE							SPARE	20/1	26
27	20/1	SPARE							SPARE	20/1	28
29	20/1	SPARE							SPARE	20/1	30
31	20/1	SPARE							SPARE	20/1	32
33	20/1	SPARE							SPARE	20/1	34
35	20/1	SPARE							SPARE	20/1	36
37	20/1	SPARE							SPARE	20/1	38
39	20/1	SPARE							SPARE	20/1	40
41	20/1	SPARE							SPARE	20/1	42
		PHASE TOTALS			0.7	1.2	1.5				

CONNECTED LOAD SUMMARY (KVA)
GENERAL LIGHTING: 0.0 COOLING: 0.0 ØA= 6 AMPS
TRACK LIGHTING: 0.0 HEATING: 0.0 ØB= 10 AMPS
SIGNS: 0.0 REFRIG.EQUIP. 0.0 ØC= 13 AMPS
SHOW WINDOW: 0.0 MOTORS: 0.0 TOT= 10 AMPS
RECEPTACLES: 0.7 WATER HTG: 0.0 NEUT 6 AMPS
MISCELLANEOUS: 2.7 LARGEST MTR 0.0 HP
CONNECTED LOAD 3.4 KVA 10 AMPS
DEMAND LOAD 3.4 KVA 10 AMPS
FEEDER LOAD 10 AMPS
FEEDER SIZE #4/0 CU

NAME SWBD EXISTING — BUS 1200A — VOLTAGE 208/120V 3ø, 4W MAIN BREAKER — SECTION 1

NO.	LOAD DESCRIPTION	KVA	FRAME (AMPS)	TRIP (AMPS)	LOAD (AMPS)	NOTES
1	NEW COMPRESSOR RACK	94.4	600	300	262	NEW FUSES
2	ATS-2	27.0	100	80	75	NEW FUSES
3	ATS-1	20.5	100	60	57	NEW FUSES
4	SPARE	0.0	100	100	0	
5	PANEL LPB	16.6	100	100	46	EXISTING PANEL
6	PANEL RPB + IGB	36.3	200	200	101	EXISTING PANELS
7	SPARE	0.0	200	200	0	PANEL RPD REMOVED
8	SPARE	0.0	200	200	0	
9	PANEL LPA	21.4	200	100	60	EXISTING PANEL
10	SPARE	0.0	600	600	0	PANEL RPT REMOVED
11	SPACE AND BUS	0.0			0	
12	SPACE AND BUS	0.0			0	
13	SPACE AND BUS	0.0			0	
14	SPACE AND BUS	0.0			0	
	TOTALS	216.3			601	
	CONNECTED LOAD	216.3 KVA			601 AMPS	
	DEMAND LOAD	226.9 KVA			631 AMPS	

NAME SWBD EXISTING — BUS 1200A — VOLTAGE 208/120V 3ø, 4W MAIN BREAKER — SECTION 2

NO.	LOAD DESCRIPTION	KVA	FRAME (AMPS)	TRIP (AMPS)	LOAD (AMPS)	NOTES
1	EXISTING EF-2, SF-1	8.6	30	30	24	
2	COMPUTER	20.0	30	30	56	
3	NEW CONDENSING UNIT	14.9	60	50	41	NEW FUSES
4	EXISTING BALER	11.1	60	60	31	
5	PANEL RH	3.7	60	60	10	EXISTING PANEL
6	SPARE	0.0	60	60	0	
7	PANEL RL	8.2	60	60	23	EXISTING PANEL
8	PANEL RF	3.4	60	60	9	EXISTING PANEL
9	PANEL PP	163.6	600	600	455	EXISTING PANEL
10	SPARE	0.0	200	200	0	
11	PANEL RPA	0.0	200	200	0	EXISTING PANEL
12	SPARE	0.0	400	400	0	PANEL RPC REMOVED
13	SPACE AND BUS	0.0			0	
14	SPACE AND BUS	0.0			0	
	TOTALS	233.5			649	
	CONNECTED LOAD	233.5 KVA			649 AMPS	
	DEMAND LOAD	233.9 KVA			650 AMPS	

LOAD CALCULATION SUMMARY

LOAD SOURCE	CONNECTED LOAD (KVA)	NEC DEMAND FACTOR	DEMAND LOAD (KVA)	NOTES
LIGHTING	72.0	1.0	72.0	2,3,4,7
RECEPTACLES – 1ST 10 KVA	10.0	1.0	10.0	2,5
REMAINDER	19.7	0.5	9.9	2,5
HVAC	150.0	1.0	150.0	6
WATER HEATING	6.0	1.0	6.0	
MOTORS/MISCELLANEOUS	213.6	1.0	213.6	
25% LARGEST MOTOR	2.4		2.4	8
TOTAL	473.7		463.9	

FEEDER SIZE/OVERCURRENT PROTECTION CALCULATION (1)(7)

SUM OF NON-CONTINUOUS LOADS = 391.9 KVA
SUM OF CONTINUOUS LOADS X 1.25 = 90.0 KVA
TOTAL: 481.9 KVA

VOLTAGE CHARACTERISTICS: 208V–3ø–4W

MINIMUM AMPERAGE = $\frac{\text{DEMAND (KVA)} \times 1000}{\text{VOLTAGE} \times \sqrt{3}} = \frac{481.9 \times 1000}{208 \times 1.73}$ = 1,339.2 AMPS

NEXT HIGHER STANDARD SIZE (PER NEC ART. 240–6): 1,600 AMPS

MINIMUM FEEDER SIZE (PER NEC TABLE 310–16) 4 SETS 4#600 KCMIL Cu

NOTES:
1) PER NEC ART. 215–3.
2) PER NEC ART. 220–3.
3) PER NEC ART. 220–11.
4) PER NEC ART. 220–12.
5) PER NEC ART. 220–13.
6) PER NEC ART. 220–21.
7) PER NEC ART. 230–42.
8) PER NEC ART. 440–33.

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572 North Broadway
White Plains, N.Y. 10603
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SEAL

REVISIONS

NO.	DATE	COMMENTS

PROJECT: TRADER JOE'S
87 MARGINAL WAY
PORTLAND, ME. 04101

SHEET NAME: ELECTRICAL PANEL SCHEDULES

SALES: 17,224 sq. ft.
STOCK: 5,424 sq. ft.
MISC.: 1,464 sq. ft.
TOTAL: 23,930 sq. ft.

DATE: 04/28/10
JOB No. FT-7972
DRAWN BY: FTA
TENANT STORE No. XXX
SPACE No. XXXX

E-3