SWITCHBOARD MS1

SWITCHBOARD NOTES:

3P-2500A MAIN | INTERRUPT RATING: 100,000 A.I.C. | 3 Ø - 4 WIRE - 277/480 VOLT | DEMAND AMPS: 1709 | 2500 AMP BUS

CIRCUIT NUMBER	SERVING	FRAME SIZE	TRIP SETTING	LOAD TYPE	KVA AØ	KVA BØ	KVA CØ	REMARKS
1	CH-1	600	600	LM	125.4	125.4	125.4	
2	CH-2	600	600	NC	0.0	0.0	0.0	N+1; NON-CONCURRENT LOAD
3	HGM	400	400	P	49.6	49.6	49.6	
4	ATS #1 (FP-1)	--	--	NC	7.2	7.2	7.2	TAP SECTION
5	ATS #2 (PANEL HEG)	100	100	P	17.6	14.6	14.7	
6	ATS #3 (PANEL HEL)	400	400	P	23.8	23.8	23.8	
7	ATS #4 (PANEL HSG)	600	600	P	113.7	111.2	102.9	
8	PANEL HGLA	400	250	P	57.0	59.4	46.4	
9	PANEL H1LEA	400	250	P	57.0	55.8	52.8	
10	PANEL H1LWA	200	200	P	43.0	38.6	40.7	
11	SPARE	400	--					
12	SPARE	400	--					
13	SPARE	400	--					
14								
15								
16								
17								
18								
19								
20								
21								

	CONNECTED kVA	NEC DIVERSITY	DEMAND (kVA)
CONTINUOUS LOADS (C)	94.51	125%	118.13
NON-CONTINUOUS LOADS (NC)	639.21	100%	639.21
RECEPTACLES LOADS (R)	188.28	10KVA + 50%	99.14
KITCHEN LOADS (K)	58.12	65%	37.78
LARGEST MOTOR (LM)	376.26	125% OF LARGEST	470.33
ELEVATOR (EL)	71.50	79%	56.48

FED FROM: UTILITY — AØ = 494.3 kVA, BØ = 485.7 kVA, CØ = 463.6 kVA

TOTAL CONNECTED = 1428 kVA
TOTAL DEMAND = **1421 kVA**

CIRCUIT BREAKER TYPE SWITCHBOARD

-THE SWITCHBOARD SHALL BE LEGIBLY MARKED WITH THE MAXIMUM AVAILABLE FAULT CURRENT, INCLUDING THE DATE THE CALCULATION WAS PERFORMED.
-REFER TO THE DISTRIBUTION DIAGRAM FOR WIRE AND CONDUIT SIZES.

PANEL H1LWA

PANEL NOTES:

M.L.O. F.T.L. | BREAKER INTERRUPT RATING: FULLY RATED | 3 Ø - 4 WIRE - 277/480 VOLT | DEMAND AMPS: 132 | 200 AMP BUS

CONDUIT SIZE	WIRE SIZE	SERVING	KVA AØ	KVA BØ	KVA CØ	CKT BKR	CKT NO	LOAD TYPE	LOAD TYPE	CKT NO	CKT BKR	KVA AØ	KVA BØ	KVA CØ	SERVING	WIRE SIZE	CONDUIT SIZE
3/4"	2#10	LIGHTING	1.84			1P-20	1	C		2					SPACE		
		SPARE					3			4							
							5			6							
							7			8							
							9			10							
							11			12							
							13			14							
							15			16							
							17			18							
							19			20							
							21			22							
							23			24							
							25			26							
							27			28							
							29			30							
							31			32							
							33			34							
							35			36							
							37		P	38	3P-125	20.85			75 kVA XFMR	SEE	SEE
							39		P	40			18.84		(PANEL L1WA)	RISER	RISER
		V				V	41		P	42				17.10			

	CONNECTED kVA	NEC DIVERSITY	DEMAND (kVA)
CONTINUOUS LOADS (C)	23.85	125%	29.81
NON-CONTINUOUS LOADS (NC)	48.64	100%	48.64
RECEPTACLES LOADS (R)	45.48	10KVA + 50%	27.74
KITCHEN LOADS (K)	4.25	90%	3.83
LARGEST MOTOR (LM)	0.00	125% OF LARGEST	0.00

SUB-PANEL LOADS ARE INCLUDED IN THE CONNECTED AND DEMAND CALCULATIONS ABOVE

FEED THRU LUGS: 20.3 | 19.8 | 23.6 (AØ | BØ | CØ)
FED FROM: MS1
A Ø = 43 kVA, B Ø = 38.6 kVA, C Ø = 40.7 kVA
H1LWA EXCLUDING FTL & SUB-PANELS = 1.8 kVA
H2LWA, L1WA = 120.4 kVA
TOTAL CONNECTED = 122 kVA
TOTAL DEMAND = **110 kVA**

PANEL H2LWA

PANEL NOTES:

M.L.O. F.T.L. | BREAKER INTERRUPT RATING: FULLY RATED | 3 Ø - 4 WIRE - 277/480 VOLT | DEMAND AMPS: 89 | 200 AMP BUS

CONDUIT SIZE	WIRE SIZE	SERVING	KVA AØ	KVA BØ	KVA CØ	CKT BKR	CKT NO	LOAD TYPE	LOAD TYPE	CKT NO	CKT BKR	KVA AØ	KVA BØ	KVA CØ	SERVING	WIRE SIZE	CONDUIT SIZE
3/4"	2#10	LIGHTING	0.73			1P-20	1	C		2					SPACE		
		SPARE					3			4							
							5			6							
							7			8							
							9			10							
							11			12							
							13			14							
							15			16							
		V				V	17			18							
3/4"	4#12	EDP1 PHASE SENSE	0.00			3P-20	19			20							
				0.00			21			22							
					0.00		23			24							
3/4"	4#12	EDP2 PHASE SENSE	0.00			3P-20	25			26							
				0.00			27			28							
					0.00		29			30							
1-1/4"	4#4	DIMMING PANEL	1.48			3P-60	31	P	P	32	3P-60	3.03			DIMMING PANEL	4#4	1-1/4"
		DP1		1.34			33	P	P	34			5.73		DP3		
					4.00		35	P	P	36				5.56			
1-1/4"	4#4	DIMMING PANEL	2.95			3P-60	37	P	P	38	3P-125	13.02			75 kVA XFMR	SEE	SEE
		DP2		1.41			39	P	P	40			14.14		(PANEL L2WA)	RISER	RISER
					1.74		41	P	P	42				15.47			

	CONNECTED kVA	NEC DIVERSITY	DEMAND (kVA)
CONTINUOUS LOADS (C)	28.66	125%	35.82
NON-CONTINUOUS LOADS (NC)	24.10	100%	24.10
RECEPTACLES LOADS (R)	17.82	10KVA + 50%	13.91
KITCHEN LOADS (K)	0.00	100%	0.00
LARGEST MOTOR (LM)	0.00	125% OF LARGEST	0.00

SUB-PANEL LOADS ARE INCLUDED IN THE CONNECTED AND DEMAND CALCULATIONS ABOVE

FEED THRU LUGS: (AØ | BØ | CØ)
FED FROM: H1LWA
A Ø = 21.2 kVA, B Ø = 22.6 kVA, C Ø = 26.8 kVA
H2LWA EXCLUDING FTL & SUB-PANELS = 0.7 kVA
L2WA, DP1, DP2, DP3 = 69.8 kVA
TOTAL CONNECTED = 71 kVA
TOTAL DEMAND = **74 kVA**

PANEL LGWA

PANEL NOTES: PROVIDE DOUBLE NEUTRAL

3P-400A MCB F.T.L. | BREAKER INTERRUPT RATING: 10,000 A.I.C. | 3 Ø - 4 WIRE - 120/208 VOLT | DEMAND AMPS: 197 | 400 AMP BUS

CONDUIT SIZE	WIRE SIZE	SERVING	KVA AØ	KVA BØ	KVA CØ	CKT BKR	CKT NO	LOAD TYPE	LOAD TYPE	CKT NO	CKT BKR	KVA AØ	KVA BØ	KVA CØ	SERVING	WIRE SIZE	CONDUIT SIZE
1/2"	2#12	TANKLESS WH	1.44			1P-20	1	NC	R	2	1P-20	0.36			GP RECEPTACLES	2#12	1/2"
I	I	I		1.44		I	3	NC	R	4	I		1.08		GP RECEPTACLES	2#12	1/2"
I	I	V			1.44	I	5	NC	R	6	I			0.36	EXTERIOR RECEPT	2#8	3/4"
I	I	GP RECEPTACLES	0.72			I	7	R	LM	8	I	1.18			GEF-0-1	2#10	3/4"
V	V	CATV SYSTEM		0.60		I	9	NC	NC	10	I		1.18		GEF-0-2	2#10	3/4"
		SPARE				I	11		NC	12	I			0.10	CP-1	2#12	1/2"
1/2"	2#12	CONDENSATE PUMPS	0.15			I	13	NC	NC	14	I	0.08			LIGHTING RELAY PNL	I	I
I	I	GP RECEPTACLES		1.26		I	15	R	R	16	I		0.36		CHEM. TREATMENT	V	V
I	I	AUTO VALVE			1.30	I	17	NC		18	I				SPARE		
V	V	AUTO VALVE	1.60			I	19	NC		20	I						
		SPARE				I	21			22	I						
		I				I	23			24	I						
		I				I	25			26	I						
		I				I	27			28	I						
		I				I	29			30	I						
		I				I	31			32	I						
		I				I	33			34	I				V		
		I				I	35			36	I			0.00	EMCS USE	2#12	1/2"
		I				I	37			38	I	0.00			I	I	I
		I				I	39			40	I		0.00		I	I	I
		V				V	41			42	V			0.00	V	V	V

	CONNECTED kVA	NEC DIVERSITY	DEMAND (kVA)
CONTINUOUS LOADS (C)	0.52	125%	0.64
NON-CONTINUOUS LOADS (NC)	35.41	100%	35.41
RECEPTACLES LOADS (R)	37.62	10KVA + 50%	23.81
KITCHEN LOADS (K)	15.50	65%	10.08
LARGEST MOTOR (LM)	1.18	125% OF LARGEST	1.47

SUB-PANEL LOADS ARE INCLUDED IN THE CONNECTED AND DEMAND CALCULATIONS ABOVE

FEED THRU LUGS: 24.5 | 28.3 | 22.8 (AØ | BØ | CØ)
FED FROM: HGLA VIA 112.5 kVA XFMR
A Ø = 30 kVA, B Ø = 34.2 kVA, C Ø = 26 kVA
LGWA EXCLUDING FTL & SUB-PANELS = 14.8 kVA
LGWB = 75.6 kVA
TOTAL CONNECTED = 90 kVA
TOTAL DEMAND = **71 kVA**

PANEL L1WA

PANEL NOTES: PROVIDE DOUBLE NEUTRAL
*PROVIDE GFI CIRCUIT BREAKER

3P-225A MCB F.T.L. | BREAKER INTERRUPT RATING: 10,000 A.I.C. | 3 Ø - 4 WIRE - 120/208 VOLT | DEMAND AMPS: 130 | 225 AMP BUS

CONDUIT SIZE	WIRE SIZE	SERVING	KVA AØ	KVA BØ	KVA CØ	CKT BKR	CKT NO	LOAD TYPE	LOAD TYPE	CKT NO	CKT BKR	KVA AØ	KVA BØ	KVA CØ	SERVING	WIRE SIZE	CONDUIT SIZE
1/2"	2#12	GP RECEPTACLES	1.26			1P-20	1	R	R	2	2P-20	1.44			SYSTEM FURNITURE	4#12	3/4"
I	I	I		0.36		I	3	R	R	4			0.72				
I	I	V			0.54	I	5	R	R	6	2P-20			1.08	SYSTEM FURNITURE	4#12	3/4"
I	I	PC RECEPTACLES	0.72			I	7	R	R	8		0.54					
I	I	PC RECEPTACLES		0.72		I	9	R	NC	10	1P-20		0.75		PRINTERS	2#12	1/2"
I	I	GP RECEPTACLES			0.54	I	11	R	NC	12	I			1.50	COPIER	I	I
I	I	WATER FILTER	0.12			I	13	NC	NC	14	I	1.40			HAND DRYER	I	I
I	I	HAND DRYER		1.40		I	15	NC	NC	16	I		1.40		HAND DRYER	I	I
I	I	GP RECEPTACLES			1.44	I	17	R	NC	18	I			0.72	PC RECEPTACLES	I	I
I	I	PC RECEPTACLES	0.54			I	19	R	R	20	I	1.08			GP RECEPTACLES	I	I
I	I	I		1.08		I	21	R	NC	22	I		1.40		HAND DRYER	I	I
I	I	V			0.72	I	23	R	NC	24	I			1.40	I	I	I
I	I	GP RECEPTACLES	0.90			I	25	R	NC	26	I	1.40			I	I	I
V	V	GP RECEPTACLES		0.72		I	27	R	NC	28	I			1.40	V	I	I
3/4"	4#12	SYSTEM FURNITURE			0.54	I	29	R	NC	30	I			0.12	WATER FILTER	I	I
				1.08		I	31	R	R	32	I	0.36			PC RECEPTACLES	I	I
3/4"	4#12	SYSTEM FURNITURE		0.54		I	33	R	R	34	I			1.26	GP RECEPTACLES	I	I
					1.08	I	35	R	K	36	I			0.25	UC REFRIGERATOR	I	I
1/2"	2#12	SYSTEM FURNITURE	1.44			I	37	R	R	38	I	0.18			GP RECEPTACLES	I	I
I	I	SYSTEM FURNITURE		0.72		I	39	R	K	40	I			1.50	COFFEE MAKER	I	I
V	V	GP RECEPTACLES			1.44	V	41	R	R	42	V			0.36	GP RECEPTACLE	V	V

	CONNECTED kVA	NEC DIVERSITY	DEMAND (kVA)
CONTINUOUS LOADS (C)	0.48	125%	0.60
NON-CONTINUOUS LOADS (NC)	24.22	100%	24.22
RECEPTACLES LOADS (R)	27.66	10KVA + 50%	18.83
KITCHEN LOADS (K)	4.25	90%	3.83
LARGEST MOTOR (LM)	0.00	125% OF LARGEST	0.00

SUB-PANEL LOADS ARE INCLUDED IN THE CONNECTED AND DEMAND CALCULATIONS ABOVE

FEED THRU LUGS: 8.3 | 5.0 | 5.2 (AØ | BØ | CØ)
FED FROM: H1LWA VIA 75 kVA XFMR
A Ø = 20.7 kVA, B Ø = 18.9 kVA, C Ø = 17 kVA
L1WA EXCLUDING FTL & SUB-PANELS = 38.2 kVA
L1WB = 18.4 kVA
TOTAL CONNECTED = 57 kVA
TOTAL DEMAND = **47 kVA**

PANEL L2WA

PANEL NOTES: PROVIDE DOUBLE NEUTRAL
*PROVIDE GFI CIRCUIT BREAKER

3P-225A MCB F.T.L. | BREAKER INTERRUPT RATING: 10,000 A.I.C. | 3 Ø - 4 WIRE - 120/208 VOLT | DEMAND AMPS: 108 | 225 AMP BUS

CONDUIT SIZE	WIRE SIZE	SERVING	KVA AØ	KVA BØ	KVA CØ	CKT BKR	CKT NO	LOAD TYPE	LOAD TYPE	CKT NO	CKT BKR	KVA AØ	KVA BØ	KVA CØ	SERVING	WIRE SIZE	CONDUIT SIZE
1/2"	2#12	HAND DRYER	1.40			1P-20	1	NC	R	2	1P-20	0.72			COURTRM RECEPT	2#12	1/2"
I	I	PRINTERS		0.50		I	3	NC	R	4	I		1.08		MEZZANINE RECEPT	2#10	3/4"
I	I	COPIER			1.50	I	5	NC	R	6	I			0.54	ROOF RECEPT	2#10	3/4"
I	I	PC RECEPTACLES	0.36			I	7	R	R	8	I	1.80			FLOOR RECEPT	2#12	1/2"
I	I	GP RECEPTACLES		1.62		I	9	R	R	10	I		1.80		FLOOR RECEPT	I	I
I	I	TV/RACK			1.62	I	11	NC	NC	12	I			1.80	AV RACK	I	I
I	I	DOCKET DISPLAY	0.84			I	13	NC	NC	14	I	1.80			AV RACK	I	I
I	I	DOCKET DISPLAY		0.84		I	15	NC	R	16	I		1.80		FLOOR RECEPT	I	I
I	I	HAND DRYER			1.40	I	17	NC	R	18	I			1.80	FLOOR RECEPT	V	V
I	I	I	1.40			I	19	NC		20	I				SPARE		
I	I	I		1.40		I	21	NC	NC	22	I			0.60	FUTURE TV CAMERA	2#12	1/2"
I	I	V			1.40	I	23	NC	NC	24	I			0.60	FUTURE TV CAMERA	I	I
I	I	WATER FILTER	0.12			I	25	NC	NC	26	I	0.60			CATV		I
I	I	DIGITAL SIGNAGE		0.25		I	27	NC	R	28	I		0.72		GP RECEPTACLES	I	I
I	I	GP RECEPTACLES			0.90	I	29	R	R	30	I			0.36	I	I	I
I	I	GP RECEPTACLES	1.08			I	31	R	R	32	I	0.36			V	I	I
I	I	TVS		0.84		I	33	NC	NC	34	I		1.00		AUTO VALVE	I	I
I	I	COURTRM RECEPT			0.72	I	35	R	NC	36	I			1.00	AUTO VALVE	I	I
I	I	COURTRM RECEPT	1.08			I	37	R	C	38	I	0.70			LIGHTING	I	I
I	I	TVS		1.68		I	39	NC		40	I		0.00		EMCS USE	I	I
V	V	COURTRM RECEPT			1.08	V	41	R		42	V			0.00	EMCS USE	V	V

	CONNECTED kVA	NEC DIVERSITY	DEMAND (kVA)
CONTINUOUS LOADS (C)	0.70	125%	0.88
NON-CONTINUOUS LOADS (NC)	24.10	100%	24.10
RECEPTACLES LOADS (R)	17.82	10KVA + 50%	13.91
KITCHEN LOADS (K)	0.00	100%	0.00
LARGEST MOTOR (LM)	0.00	125% OF LARGEST	0.00

SUB-PANEL LOADS ARE INCLUDED IN THE CONNECTED AND DEMAND CALCULATIONS ABOVE

FEED THRU LUGS: 0.8 | 0.0 | 0.8 (AØ | BØ | CØ)
FED FROM: H2LWA VIA 75 kVA XFMR
A Ø = 13 kVA, B Ø = 14.1 kVA, C Ø = 15.5 kVA
L2WA EXCLUDING FTL & SUB-PANELS = 41.1 kVA
L2WB = 1.5 kVA
TOTAL CONNECTED = 43 kVA
TOTAL DEMAND = **39 kVA**

PANEL LGWB

PANEL NOTES: PROVIDE DOUBLE NEUTRAL

M.L.O. F.T.L. | BREAKER INTERRUPT RATING: 10,000 A.I.C. | 3 Ø - 4 WIRE - 120/208 VOLT | DEMAND AMPS: 164 | 400 AMP BUS

CONDUIT SIZE	WIRE SIZE	SERVING	KVA AØ	KVA BØ	KVA CØ	CKT BKR	CKT NO	LOAD TYPE	LOAD TYPE	CKT NO	CKT BKR	KVA AØ	KVA BØ	KVA CØ	SERVING	WIRE SIZE	CONDUIT SIZE
1/2"	2#12	PC RECEPTACLES	0.72			1P-20	1	R	R	2	1P-20	1.26			GP RECEPTACLES	2#12	1/2"
I	I	I		1.44		I	3	R	R	4	I		0.72		GP RECEPTACLES	I	I
I	I	I			1.44	I	5	R	NC	6	I			1.50	COPIER	I	I
I	I	I	1.44			I	7	R	NC	8	I	0.36			GP RECEPTACLES	I	I
I	I	I		1.44		I	9	R	NC	10	I		0.50		PRINTER	I	I
I	I	V			0.72	I	11	R	R	12	I			1.44	SYSTEM FURNITURE	I	I
I	I	GP RECEPTACLES	0.54			I	13	R	R	14	I	0.72			SYSTEM FURNITURE	I	I
I	I	I		0.72		I	15	R	NC	16	I		1.44		TV/RACK	I	I
I	I	I			0.72	I	17	R	K	18	I			0.80	REFRIGERATOR	I	I
I	I	I	1.44			I	19	R	NC	20	I	1.50			HAND DRYER	I	I
I	I	I		1.44		I	21	R	NC	22	I		1.50		I	I	I
I	I	I			1.44	I	23	R	NC	24	I			1.50	I	I	I
I	I	I	0.54			I	25	R	NC	26	I	1.50			I	I	I
I	I	V		0.90		I	27	R	NC	28	I		1.50		I	I	I
I	I	PC RECEPTACLES			0.72	I	29	R	NC	30	I			1.50	I	I	I
I	I	PC RECEPTACLES	0.72			I	31	R	NC	32	I	1.50			I	I	I
I	I	GP RECEPTACLES		0.72		I	33	R	NC	34	I		1.50		I	I	I
I	I	I			0.72	I	35	R	NC	36	I			1.50	V	I	I
I	I	I	1.26			I	37	R	R	38	I	0.90			GP RECEPTACLES	I	I
I	I	I		0.72		I	39	R	NC	40	I		0.25		DIGITAL DISPLAY	I	I
V	V	V			0.36	V	41	R	NC	42	V			0.50	PRINTERS	V	V

	CONNECTED kVA	NEC DIVERSITY	DEMAND (kVA)
CONTINUOUS LOADS (C)	0.52	125%	0.64
NON-CONTINUOUS LOADS (NC)	26.08	100%	26.08
RECEPTACLES LOADS (R)	33.48	10KVA + 50%	21.74
KITCHEN LOADS (K)	15.50	65%	10.08
LARGEST MOTOR (LM)	0.00	125% OF LARGEST	0.00

SUB-PANEL LOADS ARE INCLUDED IN THE CONNECTED AND DEMAND CALCULATIONS ABOVE

FEED THRU LUGS: 10.1 | 13.5 | 7.9 (AØ | BØ | CØ)
FED FROM: LGWA
A Ø = 24.5 kVA, B Ø = 28.3 kVA, C Ø = 22.8 kVA
LGWB EXCLUDING FTL & SUB-PANELS = 44.1 kVA
LGWC = 31.5 kVA
TOTAL CONNECTED = 76 kVA
TOTAL DEMAND = **59 kVA**

PANEL L1WB

PANEL NOTES: PROVIDE DOUBLE NEUTRAL

M.L.O. F.T.L. | BREAKER INTERRUPT RATING: 10,000 A.I.C. | 3 Ø - 4 WIRE - 120/208 VOLT | DEMAND AMPS: 53 | 225 AMP BUS

CONDUIT SIZE	WIRE SIZE	SERVING	KVA AØ	KVA BØ	KVA CØ	CKT BKR	CKT NO	LOAD TYPE	LOAD TYPE	CKT NO	CKT BKR	KVA AØ	KVA BØ	KVA CØ	SERVING	WIRE SIZE	CONDUIT SIZE
1/2"	2#12	PED. GATE	0.23			1P-20	1	NC	K	2	1P-20	1.50			MICROWAVE	2#12	1/2"
I	I	TURNSTILE		0.10		I	3	NC	K	4	I		1.00		DISPOSAL	I	I
I	I	METAL DETECTOR			0.10	I	5	NC	R	6	I			1.08	GP RECEPTACLES	I	I
I	I	X-RAY	1.50			I	7	NC	NC	8	I	1.50			COPIER	I	I
I	I	CATV SYSTEM		0.60		I	9	NC	NC	10	I		0.10		METAL DETECTOR	I	I
I	I	GP RECEPTACLES			0.72	I	11	R	R	12	I			0.18	GP RECEPTACLES	V	V
I	I	TV/RACK	1.62			I	13	NC	R	14	I	0.54			EXTERIOR RECEPT	2#10	3/4"
I	I	FCU-1-1, FCU-1-2		0.29		I	15	NC	NC	16	I		1.92		SPACE SAVER	2#12	1/2"
I	I	AUTO VALVE			1.00	I	17	NC	NC	18	I			1.20	WHEELCHAIR LIFT	2#8	3/4"
I	I	AUTO VALVE	0.80			I	19	NC	NC	20	I	0.25			PRINTER	2#12	1/2"
I	I	LIGHTING		0.48		I	21	C	R	22	I		0.18		PATIO RECEPT	2#8	3/4"
I	I	SCENE SELECTOR			0.01	I	23	NC	R	24	I			0.48	PATIO RECEPT	2#8	3/4"
I	I	I	0.01			I	25	NC	NC	26	I	0.10			ENTRY DOOR	2#12	1/2"
I	I	V		0.01		I	27	NC	NC	28	I		0.10		I	I	I
I	I	FLOOR RECEPT			0.36	I	29	R	NC	30	I			0.10	I	I	I
I	I	SCENE SELECTOR	0.01			I	31	NC	NC	32	I	0.20			I	I	I
V	V	TURNSTILE		0.10		I	33	NC	NC	34	I		0.10		V	V	V
		SPARE				I	35			36	I				SPARE		
		I				I	37			38	I				SPARE		
		I				I	39			40	I		0.00		EMCS USE	2#12	1/2"
		V				V	41			42	V			0.00	EMCS USE	2#12	1/2"

	CONNECTED kVA	NEC DIVERSITY	DEMAND (kVA)
CONTINUOUS LOADS (C)	0.48	125%	0.60
NON-CONTINUOUS LOADS (NC)	11.93	100%	11.93
RECEPTACLES LOADS (R)	3.54	10KVA + 50%	3.54
KITCHEN LOADS (K)	2.50	100%	2.50
LARGEST MOTOR (LM)	0.00	125% OF LARGEST	0.00

SUB-PANEL LOADS ARE INCLUDED IN THE CONNECTED AND DEMAND CALCULATIONS ABOVE

FEED THRU LUGS: (AØ | BØ | CØ)
FED FROM: L1WA
A Ø = 8.3 kVA, B Ø = 5 kVA, C Ø = 5.2 kVA
L1WB TOTAL 18.5 kVA
TOTAL CONNECTED = 19 kVA
TOTAL DEMAND = **19 kVA**

PANEL L2WB

PANEL NOTES: PROVIDE DOUBLE NEUTRAL

M.L.O. F.T.L. | BREAKER INTERRUPT RATING: 10,000 A.I.C. | 3 Ø - 4 WIRE - 120/208 VOLT | DEMAND AMPS: 11 | 225 AMP BUS

CONDUIT SIZE	WIRE SIZE	SERVING	KVA AØ	KVA BØ	KVA CØ	CKT BKR	CKT NO	LOAD TYPE	LOAD TYPE	CKT NO	CKT BKR	KVA AØ	KVA BØ	KVA CØ	SERVING	WIRE SIZE	CONDUIT SIZE
1/2"	2#12	SCENE SELECTOR	0.01			1P-20	1	NC		2	1P-20				SPARE		
I	I	SCENE SELECTOR		0.01		I	3	NC		4	I				I		
I	I	PRINTER			0.75	I	5	NC		6	I				I		
		PRINTER	0.75				7	NC		8	I				I		
I	I	MOTOR SHADE		1.08		I	9	NC		10	I				I		
V	V	MOTOR SHADE			1.08	I	11	NC		12	I				I		
		SPARE				I	13			14	I				I		
		I				I	15			16	I				I		
		I				I	17			18	I				I		
		I				I	19			20	I				I		
		I				I	21			22	I				I		
		I				I	23			24	I				I		
		I				I	25			26	I				I		
		I				I	27			28	I				I		
		I				I	29			30	I				I		
		I				I	31			32	I				I		
		I				I	33			34	I				I		
		I				I	35			36	I				I		
		I				I	37			38	I				I		
		I				I	39			40	I				I		
		V				V	41			42	V				V		

	CONNECTED kVA	NEC DIVERSITY	DEMAND (kVA)
CONTINUOUS LOADS (C)	0.00	125%	0.00
NON-CONTINUOUS LOADS (NC)	3.67	100%	3.67
RECEPTACLES LOADS (R)	0.00	10KVA + 50%	0.00
KITCHEN LOADS (K)	0.00	100%	0.00
LARGEST MOTOR (LM)	0.00	125% OF LARGEST	0.00

SUB-PANEL LOADS ARE INCLUDED IN THE CONNECTED AND DEMAND CALCULATIONS ABOVE

FEED THRU LUGS: (AØ | BØ | CØ)
FED FROM: L2WA
A Ø = 0.8 kVA, B Ø = 1.1 kVA, C Ø = 1.8 kVA
L2WB TOTAL 3.7 kVA
TOTAL CONNECTED = 4 kVA
TOTAL DEMAND = **4 kVA**

PANEL LGWC

PANEL NOTES: PROVIDE DOUBLE NEUTRAL
*PROVIDE GFI CIRCUIT BREAKER

M.L.O. F.T.L. | BREAKER INTERRUPT RATING: 10,000 A.I.C. | 3 Ø - 4 WIRE - 120/208 VOLT | DEMAND AMPS: 75 | 400 AMP BUS

| CONDUIT SIZE | WIRE SIZE | SERVING | KVA AØ | KVA BØ | KVA CØ | CKT BKR | CKT NO | LO