

PANELBOARD SCHEDULE - "MDP"																																		
MAIN: 1000A MCB					VOLTAGE: 208/120					PHASE: 3					WIRE: 4					MOUNTING: SURFACE					AIC: 22,000					BUS BARS: COPPER				
CIRCUIT BREAKER					LOAD (KVA)					PHASE					LOAD (KVA)					DESCRIPTION					COND		WIRE		POLE		BKR		CT	
#	TRIP	SIZE	SIZE	DESCRIPTION	LTG	REC	MTR	A/C	HTG	KIT	MISC	A	B	C	LTG	REC	MTR	A/C	HTG	KIT	MISC	DESCRIPTION	1 1/2"	SIZE	SIZE	TRIP	TRIP							
1	125	3	1 1/2"	GP-1				14.4										14.4					GP-2	1 1/2"	1	3	125	2						
3								14.4										14.4									4							
7	125	3	1 1/2"	PANEL "P1"	4.4	2.3	3.8	0.0	0.0	0.0	1.6				2.7	3.4	1.4	21.8	0.0	0.0	6.3	PANEL "P2"	SEE RISER	3	400	8								
9					3.8	2.0	3.8	2.2	0.0	0.0	0.8				2.8	3.1	1.4	21.8	2.2	0.0	1.5													
13	400	3	SEE RISER	BASE (SPARE)	3.6	1.6	3.8	2.2	0.0	0.0	1.1				1.4	2.0	0.0	21.8	3.0	0.0	6.3													
15				ALT (PANEL "P3")	0.4	2.3	0.0	24.8	0.0	0.0	0.6											SPACE			3	14								
17					0.9	2.3	0.0	24.8	0.0	0.0	0.3															12								
					0.8	1.6	0.0	24.8	0.0	0.0	0.3															16								
LIGHTING (KVA)					20.8	13.9	12.1	###	122.0	0.0	4.7				6.9	8.6	2.8	108.6	5.2	0.0	###	CONNECTED LOAD (KVA):					310.3							
RECEPTACLES (KVA)					20.7																		DEMAND LOAD (KVA):					311.5						
MOTORS (KVA)					14.2							PHASE A	105	872.0																				
A/C (KVA)					230.6							PHASE B	103	854.5									CONNECTED LOAD (AMPS):					861.2						
HEATING (KVA)					5.2							PHASE C	103	859.3									DEMAND LOAD (AMPS):					864.4						
KITCHEN (KVA)					0.0																													
MISCELLANEOUS (KVA)					18.8																													
NOTES:																																		

DEMAND CALCS "MDP"				
LIGHTING	20.80	KVA	X 125 %	= 26.0 KVA
RECEPTAC TOTAL	20.70	KVA		
1ST	10.00	KVA	X 100 %	= 10.0 KVA
REMAIN	10.70	KVA	X 50 %	= 5.4 KVA
MOTORS	14.20	KVA	X 100 %	= 14.2 KVA
LARGEST		KVA	X 125 %	= 0.0 KVA
A/C	230.60	KVA	X 100 %	= 230.6 KVA
WATER HEATING	5.20	KVA	X 125 %	= 6.5 KVA
FUTURE		KVA	X 100 %	= 0.0 KVA
KITCHEN	0.00	KVA	X 65 %	= 0.0 KVA
MISCELLANEOUS	18.80	KVA	X 100 %	= 18.8 KVA
TOTAL	=	864.4 amps	=	311.5 KVA

PANELBOARD SCHEDULE - "P1" (GYM)																																
MAIN: 125 MLO					VOLTAGE: 208/120					PHASE: 3					WIRE: 4					MOUNTING: SURFACE					A/C: 22,000					BUS BARS: COPPER		
CKT	BKR	POLE	WIRE	COND	DESCRIPTION	LTG	REC	MTR	A/C	HTG	KIT	MISC	A	B	C	LTG	REC	MTR	A/C	HTG	KIT	MISC	DESCRIPTION	COND	WIRE	POLE	BKR	CKT				
#	TRIP		SIZE	SIZE																				SIZE	SIZE		TRIP	#				
1	20	1	12	3/4"	EXTERIOR LTS	0.8										0.7							GYM 114	3/4"	12	1	20	2				
3	20	1	12	3/4"	LTG STORAGE 117	0.2										1.1							GYM 114	3/4"	12	1	20					
5	20	1	12	3/4"	LTG GYM 114	1.8										0.7							ELEC 115	3/4"	12	1	20					
7	20	1	12	3/4"	LTG GYM 114	1.8										0.9							AV/IT 118	3/4"	12	1	20	8				
9	20	1	12	3/4"	LTG GYM 114	1.8										0.9							AV/IT 118	3/4"	12	1	20	10				
11	20	1	12	3/4"	LTG GYM 114	1.8										0.9							AV/IT 118	3/4"	12	1	20	12				
13	20	1	12	3/4"	LTG GYM 114	1.8										0.7							EXTERIOR REC	3/4"	12	1	20	14				
15	20	1	12	3/4"	LTG GYM 114	1.8																	SPARE		1	20	16					
17	20	1	12	3/4"	GYM PA								0.3									0.5	PA SYS AMP	3/4"	12	1	20	18				
19	20	1	12	3/4"	SCORERS TABLE								0.3									0.8	HOT BOXES	3/4"	10	1	20	20				
21	20	1	12	3/4"	DIVIDER CURTAIN								0.8										SPARE		1	20	22					
23	20	1	12	3/4"	SCOREBOARDS								0.3										SPARE		1	20	24					
25	20	1	12	3/4"	FACP								0.5										SPARE		1	20	26					
27	30	2	10	3/4"	DS-1								1.1									1.1	DS-2	3/4"	10	2	30	28				
29													1.1															30				
31	15	2	12	3/4"	MOTORIZED GOAL	0.8										0.8							MOTORIZED GOAL	3/4"	12	2	15	32				
33						0.8										0.8							MOTORIZED GOAL	3/4"	12	2	15	34				
35	15	2	12	3/4"	MOTORIZED GOAL	0.8										0.8							MOTORIZED GOAL	3/4"	12	2	15	36				
37						0.8										0.8							MOTORIZED GOAL					38				
39	15	2	12	3/4"	MOTORIZED GOAL	0.8										0.8							MOTORIZED GOAL		2			40				
41						0.3										0.3												42				
43						0.8										0.8												44				
45	20	3	12	3/4"	BLEACHERS	0.3										0.3							BLEACHERS	3/4"	12	3	20	46				
47					(#412 & 1#12G)	0.3										0.3							(#412 & 1#12G)					48				
LIGHTING (KVA):						11.8							0.0	5.9	5.7	2.2	0.0	0.0	2.2				0.0	5.9	5.7	2.2	0.0	0.0	1.3			
RECEPTACLES (KVA):						5.9																		CONNECTED LOAD (KVA):					37.0			
MOTORS (KVA):						11.4																		DEMAND LOAD (KVA):					40.0			
A/C (KVA):						4.4							PHASE A	12	100.8									CONNECTED LOAD (AMPS):					102.7			
HEATING (KVA):						0.0							PHASE B	13	105.0										DEMAND LOAD (AMPS):					110.9		
KITCHEN (KVA):						0.0							PHASE C	12	102.5																	
MISCELLANEOUS (KVA):						3.5																										
NOTES:																																

PANELBOARD SCHEDULE - "P2" (ADMIN)																																
MAIN: 400 MLO					VOLTAGE: 208/120					PHASE: 3					WIRE: 4					MOUNTING: SURFACE					A/C: 22,000					BUS BARS: COPPER		
CT	BKR	POLE	WIRE	COND	DESCRIPTION	LOAD (KVA)					PHASE					LOAD (KVA)					DESCRIPTION	COND	WIRE	POLE	BKR	CT						
						LTG	REC	MTR	A/C	HTG	KIT	MISC	A	B	C	LTG	REC	MTR	A/C	HTG							KIT	MISC				
#	TRIP		SIZE	SIZE																				SIZE		TRIP	#					
1	20	1	12	3/4"	LTG LOBBY 100	1.5											1.1							3/4"	12	1	20	2				
3	20	1	12	3/4"	LTG OFFICE 105	1.6											1.3							3/4"	12	1	20	4				
5	20	1	12	3/4"	LTG ACTIVITY 111	1.4											0.5							3/4"	12	1	20	6				
7	20	1	12	3/4"	SMALL APPL 104								1.2				0.5							3/4"	12	1	20	8				
9	20	1	12	3/4"	SMALL APPL 104								1.2				0.5							3/4"	12	1	20	10				
11	20	1	12	3/4"	SMALL APPL 104								1.2				0.5							3/4"	12	1	20	12				
13	20	1	12	3/4"	MONITOR 100								0.3				0.7							3/4"	12	1	20	14				
15	20	1	12	3/4"	MONITOR 109								0.3				0.2							3/4"	12	1	20	16				
17	20	1	12	3/4"	MONITOR 111								0.3				0.9							3/4"	12	1	20	18				
19	20	1	12	3/4"	EWG (GFI BKR)								1.0				1.1							3/4"	12	1	20	20				
21	30	2	10	3/4"	EWH						2.2						1.1							3/4"	12	1	20	22				
23											3.0												0.5	ADA DOOR	3/4"	12	1	20	24			
25	30	3	10	3/4"	AHU-1					3.4							2.2							3/4"	10	3	30	26				
27										3.4							2.2												28			
29										3.4							2.2												30			
31	30	3	10	3/4"	AHU-2					3.4							2.2								3/4"	10	3	30	32			
33										3.4							2.2												34			
35										3.4							2.2												36			
37	50	3	6	1"	AHU-3					5.6							5.0								1"	6	3	50	38			
39										5.6							5.0												40			
41										5.6							5.0												42			
43	20	2	10	3/4"	SITE LTG	1.2											1.4								3/4"	10	2	25	44			
45						1.2											1.4												46			
47	40	2	6	3/4"	EV CHARGER							3.8												0.5	SPRAY CONTROLLER	3/4"	12	1	20	48		
49												3.8																	50			
51	20	1	12	3/4"	EWG (GFI BKR)																								52			
53	20	1			SPARE																								54			
RECORDS (KVA):					8.6	PHASE A					36	297.0						DEMAND LOAD (KVA):					106.0									
MOTORS (KVA):					2.6	PHASE B					33	273.7						CONNECTED LOAD (AMPS):					284.3									
A/C (KVA):					65.4	PHASE C					35	287.7						DEMAND LOAD (AMPS):					295.9									
HEATING (KVA):					5.2						KVA	AMPS																				
KITCHEN (KVA):					0.0																											
MISCELLANEOUS (KVA):					14.1																											
NOTES:																																