

PANELBOARD SCHEDULE - "MDP"																																				
MAIN: 1,000A MLO (6 Sub)						VOLTAGE: 208/120			PHASE: 3			WIRE: 4			MOUNTING: SURFACE			A/C: 22,000			BUS BARS: COPPER															
CKT #	BKR	TRIP	POLE	WIRE	COND	DESCRIPTION	LOAD (KVA)						PHASE						LOAD (KVA)						DESCRIPTION	COND	WIRE	POLE	BKR	CKT						
				SIZE	SIZE		LTG	REC	MTR	A/C	HTG	KIT	MISC	A	B	C	LTG	REC	MTR	A/C	HTG	KIT	MISC	SIZE		SIZE										
1	125	3	1	1 1/2"		GP-1																														
3																																				
5																																				
7	100	3	3	1 1/4"		PANEL "P1"	4.4	2.3	3.4	0.0	0.0	0.0	1.6				2.9	3.4	0.0	21.8	0.0	0.0	6.3	PANEL "P2"	3 1/2"	SEE RISE	400	8								
9							3.8	2.0	3.4	2.2	0.0	0.0	0.8				3.0	3.1	0.0	21.8	2.2	0.0	2.5					10								
13							3.6	1.6	3.4	2.2	0.0	0.0	1.1				1.4	2.0	0.0	21.8	3.0	0.0	6.3					12								
15	400	3	SEE RISE			BASE (SPARE)	0.4	2.3	0.0	24.8	0.0	0.0	0.6															14								
16						ALT (PANEL "P3")	0.9	2.3	0.0	24.8	0.0	0.0	0.3															16								
17							0.8	1.6	0.0	24.8	0.0	0.0	0.3															18								
							13.9	12.1	10.2	122.0	0.0	0.0	4.7				7.3	8.6	0.0	108.6	5.2	0.0	15.1	CONNECTED LOAD (KVA):						307.7						
LIGHTING (KVA):							20.7															DEMAND LOAD (KVA):										309.0				
MOTORS (KVA):							10.2					PHASE A					103					858.7														
A/C (KVA):							230.6					PHASE B					102					849.5					CONNECTED LOAD (AMPS):					854.0				
HEATING (KVA):							5.2					PHASE C					103					856.0					DEMAND LOAD (AMPS):					857.5				
KITCHEN (KVA):							0.0																													
MISCELLANEOUS (KVA):							19.8																													
NOTES:																																				

DEMAND CALCS "MDP"									
LIGHTING	21.20	KVA	X	125	%	=	26.5	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	10.20	KVA	X	100	%	=	10.2	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	19.80	KVA	X	100	%	=	19.8	KVA	
TOTAL	=	857.5	amps			=	309.0	KVA	

PANELBOARD SCHEDULE - "P1" (GYM)																																																																							
MAIN: 100 MLO						VOLTAGE: 208/120						PHASE: 3			WIRE: 4			MOUNTING: SURFACE						A/C: 22,000			BUS BARS: COPPER																																												
CKT #	BKR	TRIP	POLE	WIRE SIZE	COND SIZE	DESCRIPTION	LTG	REC	MTR	A/C	HTG	KIT	MISC	A	B	C	LTG	REC	MTR	A/C	HTG	KIT	MISC	DESCRIPTION	COND SIZE	WIRE SIZE	POLE	BKR	TRIP	CKT #																																									
1	20	1	12	3/4"		EXTERIOR LTS	0.8																	GYM 114	3/4"	12	1	20	2																																										
3	20	1	12	3/4"		LTG STORAGE 117	0.2																	GYM 114	3/4"	12	1	20	4																																										
5	20	1	12	3/4"		LTG GYM 114	1.8																	ELEC 115	3/4"	12	1	20	6																																										
7	20	1	12	3/4"		LTG GYM 114	1.8																	AV/IT 118	3/4"	12	1	20	8																																										
9	20	1	12	3/4"		LTG GYM 114	1.8																	AV/IT 118	3/4"	12	1	20	10																																										
11	20	1	12	3/4"		LTG GYM 114	1.8																	AV/IT 118	3/4"	12	1	20	12																																										
13	20	1	12	3/4"		LTG GYM 114	1.8																	EXTERIOR REC	3/4"	12	1	20	14																																										
15	20	1	12	3/4"		LTG GYM 114	1.8																	SPARE					16																																										
17	20	1	12	3/4"		GYM PA																		PA SYS AMP	3/4"	12	1	20	18																																										
19	20	1	12	3/4"		SCORER'S TABLE																		HOT BOXES	3/4"	10	1	20	20																																										
21	20	1	12	3/4"		DIVIDER CURTAIN																		SPARE					22																																										
23	20	1	12	3/4"		SCOREBOARDS																		SPARE					24																																										
25	20	1	12	3/4"		FACP																		SPARE					26																																										
27	30	2	10	3/4"		DS-1																		DS-2	3/4"	10	2	30	28																																										
29																													30																																										
31	15	2	12	3/4"		MOTORIZED GOAL																							32																																										
33																													34																																										
35	15	2	12	3/4"		MOTORIZED GOAL																							36																																										
37																													38																																										
39	15	2	12	3/4"		MOTORIZED GOAL																							40																																										
41																													42																																										
43																													44																																										
45	20	3	12	3/4"		BLEACHERS																							46																																										
47						(#12 & #12G)																							48																																										
LIGHTING (KVA):							11.8					11.8					0.0					5.9					5.1					2.2					0.0					0.0					1.3					CONNECTED LOAD (KVA):					35.8														
RECEPTACLES (KVA):							5.9																																																		DEMAND LOAD (KVA):					38.8									
MOTORS (KVA):							10.2										PHASE A					12					97.5																																												
A/C (KVA):							4.4															PHASE B					12					101.7																									CONNECTED LOAD (AMPS):					99.4									
HEATING (KVA):							0.0																				PHASE C					12					99.2																									DEMAND LOAD (AMPS):					107.5				
KITCHEN (KVA):							0.0																																																																
MISCELLANEOUS (KVA):							3.5																																																																
NOTES:																																																																							