

DISTRIBUTION PANEL: MSH				277 L TO N 480 L TO L		3 PHASE		4 WIRE	
MIN./A.C.		100000	AMPS		BUS SEC BUS		3000 AMPERES		MAIN: 3000
LOCATION:		BASEMENT B1							
FEDDER NUMBER	LOAD	KVA	AMPS	WIRE AND CONDUIT	CONC LENGTH (FT)	VOLTS DROP	% I C.B.S.	PROTECTION FUSE FRAME TRIP SWITCH	REMARKS
MSH-1	ELEVATOR #2 (40HP)	43.2	52.0	111-14 N.C. - 3 #4	MET	120	0.0077	3	CU WIRE
MSH-2	ELEVATOR #3 (40HP)	54.0	65.0	111-14 N.C. - 3 #2	MET	120	0.0099	3	CU WIRE
MSH-3	ELEVATOR #4 (40HP)	54.0	65.0	111-14 N.C. - 3 #2	MET	60	0.0049	3	CU WIRE
MSH-4	ELEVATOR #5 (40HP)	54.0	65.0	111-14 N.C. - 3 #2	MET	60	0.0049	3	CU WIRE
MSH-5	ELEV. #6 (FUTURE)								
MSH-6	ELEVATOR #7 (40HP)	43.2	52.0	111-14 N.C. - 3 #4	MET	100	0.0059	3	CU WIRE
MSH-7	SPACE				MET				
MSH-8	SPACE								
MSH-9	ELEVATOR #8 (40HP)	43.2	52.0	111-14 N.C. - 3 #4	MET	130	0.0077	3	CU WIRE
MSH-10	CHILLER #1	168.8	203.0	112-12 N.C. - 3 #600 MCM EA.	MET	0.0087	3	300 300	
MSH-11	CHILLER #2	168.8	203.0	112-12 N.C. - 3 #600 MCM EA.	MET	0.0087	3	300 300	
MSH-12	PANEL HW	6.3	7.6	111-14 N.C. - 4 #1 EA	MET	0.0004	3	100 100	
MSH-13	TRUB TWP	80.0	166.5	112-12 N.C. - 3 #50	MET	2.3	0.0398	3	150 150
MSH-13A	PANEL L3WB			112-12 N.C. - 4 #620 MCM EA.	MET	0.0007	3	400 400	
MSH-13B	PANEL L3WB			111-14 N.C. - 4 #620 MCM EA.	MET	0.0066	3	400 400	
MSH-14	PANEL HR	52.4	63.0	111-14 N.C. - 3 #2 EA	MET	80	0.0059	3	90 90
MSH-15	PANEL HBE	184.7	224.7	112-12 N.C. - 4 #620 MCM EA.	MET	0.0004	3	400 400	
MSH-16	PANEL HBE	88.8	108.0	111-14 N.C. - 4 #1 EA	MET	0.0081	3	225 225	
MSH-17	PANEL HBE	168.8	202.8	123-12 N.C. - 4 #620 MCM EA.	MET	20	0.0007	3	400 400
MSH-18	PANEL HBK	184.8	223.0	123-12 N.C. - 4 #620 MCM EA.	MET	20	0.0008	3	400 400
MSH-19	PANEL HBE	26.0	74.93	114-12 N.C. - 3 #620 MCM EA.	MET	0.0003	3	300 300	
MSH-19A	SMBD LV			130-12 N.C. - 4 #620 MCM EA.	MET	20	0.0036	3	400 400
MSH-20	PANEL HBE	48.7	58.6	111-14 N.C. - 4 #1 EA	MET	66	0.0033	3	100 100
MSH-21	1PB-22	198.7	240.3	114-12 N.C. - 3 #620 MCM EA.	MET	20	0.0061	3	300 300
MSH-21A	PANEL CCA			130-12 N.C. - 4 #620 MCM EA.	MET	20	0.0033	3	400 400
MSH-21B	PANEL CCB			113-12 N.C. - 4 #600 MCM EA.	MET	20	0.0027	3	400 400
MSH-22	ATS-1	215.7	264.2	123-12 N.C. - 4 #620 MCM EA.	MET	30	0.0024	3	400 400
MSH-23	SMBH EP			123-12 N.C. - 4 #620 MCM EA.	MET	30	0.0024	3	400 400
MSH-23B	GENERATOR			114-12 N.C. - 4 #620 MCM EA.	MET	30	0.0033	3	400 400
MSH-23	AAU-1	80.0	96.2	112-12 N.C. - 3 #1	MET	40	0.0036	3	100 100
MSH-24	FIRE PUMP (200HP)	199.5	240.0	122-12 N.C. - 3 #40	MET	60	0.0078	3	500 500
FP-1A	FP @ 115% LOAD			122-12 N.C. - 3 #40	MET	60	0.0026	3	500 500
FP-1B	FULL VOLTAGE START			240-12 N.C. - 3 #40	MET	160	0.0269	3	500 500
CONNECTED LOAD	2402.1	3719.3			MS			CONDUIT TYPE: MET-METALIC CONDUIT PVC-NONMETALIC	
LONG CONT. LD.	0	0							
TOTAL CONNECTED LOAD	2402.1	3719.3			2893.2			REMARKS:	
DIVERSIFIED SERVICE LOAD				2893.2 AMPS					
EQUIVALENT SERVICE LOAD				2893.3 AMPS					

NOTE: WHEN SINGLE PHASE LOADS ARE PRESENT THE AMPS ARE CALCULATED AS THE THREE PHASE EQUIVLENT PLUS THE LARGEST SINGLE PHASE LOAD

RECEPTILE LOAD	0 KVA	NET CONNECTED LOAD:	2402.1 KVA
10 KVA @ 100%	0 KVA	DIV. RECEPT. LOAD:	0 KVA
BAL. @ 50%	0 KVA		
DIVERS. RECEPT. LOAD	0 KVA	DIVERS. SERV. LOAD:	2402.1 KVA

PANEL: EHBW 3 PHASE 4 WIRE				MINIMUM PANEL A/C				LUGS				AMPERE MAIN				LUGS												
480S 277 L10N.				14,000				100				AMPERE MAIN BUS																
LOCATION: 1/10/1				NEUTRAL				SURFACE				LOAD				32.6 (KVA) 45 A												
C	K	A	B	LOAD DESCRIPTION	O	R	L	P	T	B	S	P	L	T	O	LOAD DESCRIPTION	V	A	B	C								
K	A	B	C		T	E	T	E	R	R	R	R	S	S	C		AL			K								
1	360			P2 EMERG. LTG	1	0	1	0	20	1	0	1	0	1	0	P4 EMERG. LTG	3072	4			3							
3	400			P1 EMERG. LTG	1	0	1	0	20	1	0	1	0	1	0	P3 EMERG. LTG	3072	4			3							
5		1472		P1 EMERG. LTG LM	1	0	1	0	20	1	0	1	0	1	0						3776							
7	3000			1ST FIRM LTG	1	0	1	0	20	1	0	1	0	1	0	SPARE					10							
9		2000		EXTERIOR EM/LTG	1	0	1	0	20	1	0	1	0	1	0						12							
11				SPARE	1	0	1	0	20	1	0	1	0	1	0						8							
13	832			HIST. B/LG EM L2/LTG	1	0	1	0	20	1	0	1	0	1	0						14							
15				HIST. B/LG EM L4/LTG	1	0	1	0	20	1	0	1	0	1	0						16							
17	832			HIST. B/LG EM L6/LTG	1	0	1	0	20	1	0	1	0	1	0						18							
19	832			HIST. B/LG EM L8/LTG	1	0	1	0	20	1	0	1	0	1	0						20							
21		1200		1ST FIRM LTG	1	0	1	0	20	1	0	1	0	1	0						22							
23					1	0	1	0	20	1	0	1	0	1	0						24							
25					1	0	1	0	20	1	0	1	0	1	0						26							
27					1	0	1	0	20	1	0	1	0	1	0						28							
29					1	0	1	0	20	1	0	1	0	1	0						30							
31					1	0	1	0	20	1	0	1	0	1	0						32							
33					1	0	1	0	20	1	0	1	0	1	0						34							
35					1	0	1	0	20	1	0	1	0	1	0						36							
37					1	0	1	0	20	1	0	1	0	1	0						38							
39					1	0	1	0	20	1	0	1	0	1	0						40							
41					1	0	1	0	20	1	0	1	0	1	0						42							
43	832	8032	3136	SUB-TOTAL	1	0	1	0	20	1	0	1	0	1	0	SUB-TOTAL	0	3072	3776		6812							
NOTES:																												
LINE TOTALS																	8312 11104 8872											
LCL ADDER																	2079 2476 1725											
TOTAL WBS																	10360 13580 8660											
LINE AMPS																	38 40 31											
FEED FROM: EH																	FEEDER: CH-2				TOTAL KVA/LOAD				/// 32.6 ///			
PROVIDE C.E. HANDLE CLIPS AS REQUIRED, FOR MULTIPLE MOTORS COMMON NEUTRAL, 1/20/HTS, 1/NEUT, 3/3P CLIP, 2/20/HTS, 1/NEUT, 3/3P CLIP																												

PANEL: H1E				3 PHASE 4 WIRE				MINIMUM PANEL A/C				LUGS				AMPERE MAIN				LUGS							
VOLTS: 277				1 LT.O.N.				14000																			
480				170 L.				NEW PANEL																			
LOCATION: 1ST FLOOR								MOUNTING:				SURFACE				LOAD:				48.7 (KVA) 71.2 A							
C	N	VAL	LOAD	O	R	L	P	T	P	L	R	S	S	W	C	N	VAL	LOAD	C	N							
K	N	A	B	C	T	R	R	S	S	W	C	S	S	W	C	N	A	B	C	N							
1					1	20	1	20	1	20	1	20	1	20	1	20	1	20	1	20							
2					1	20	1	20	1	20	1	20	1	20	1	20	1	20	1	20							
3		2600	2ND FLR LITG		53	1	20	1	20	1	20	1	20	1	20	1	20	1	20	1	20						
4		3000	3RD FLR LITG		53	1	20	1	20	1	20	1	20	1	20	1	20	1	20	1	20						
5		2600	4TH FLR LITG		53	1	20	1	20	1	20	1	20	1	20	1	20	1	20	1	20						
6		2600	5TH FLR LITG		53	1	20	1	20	1	20	1	20	1	20	1	20	1	20	1	20						
7		2600	1ST FLR SITE LITG		53	1	20	1	20	1	20	1	20	1	20	1	20	1	20	1	20						
8					1	20	1	20	1	20	1	20	1	20	1	20	1	20	1	20							
9					1	20	1	20	1	20	1	20	1	20	1	20	1	20	1	20							
10					1	20	1	20	1	20	1	20	1	20	1	20	1	20	1	20							
11					1	20	1	20	1	20	1	20	1	20	1	20	1	20	1	20							
12					1	20	1	20	1	20	1	20	1	20	1	20	1	20	1	20							
13					1	20	1	20	1	20	1	20	1	20	1	20	1	20	1	20							
14					1	20	1	20	1	20	1	20	1	20	1	20	1	20	1	20							
15					1	20	1	20	1	20	1	20	1	20	1	20	1	20	1	20							
16					1	20	1	20	1	20	1	20	1	20	1	20	1	20	1	20							
17					1	20	1	20	1	20	1	20	1	20	1	20	1	20	1	20							
18					1	20	1	20	1	20	1	20	1	20	1	20	1	20	1	20							
19					1	20	1	20	1	20	1	20	1	20	1	20	1	20	1	20							
20					1	20	1	20	1	20	1	20	1	20	1	20	1	20	1	20							
21					1	20	1	20	1	20	1	20	1	20	1	20	1	20	1	20							
22					1	20	1	20	1	20	1	20	1	20	1	20	1	20	1	20							
23					1	20	1	20	1	20	1	20	1	20	1	20	1	20	1	20							
24					1	20	1	20	1	20	1	20	1	20	1	20	1	20	1	20							
25					1	20	1	20	1	20	1	20	1	20	1	20	1	20	1	20							
26					1	20	1	20	1	20	1	20	1	20	1	20	1	20	1	20							
27					1	20	1	20	1	20	1	20	1	20	1	20	1	20	1	20							
28					1	20	1	20	1	20	1	20	1	20	1	20	1	20	1	20							
29					1	20	1	20	1	20	1	20	1	20	1	20	1	20	1	20							
30					1	20	1	20	1	20	1	20	1	20	1	20	1	20	1	20							
31					1	20	1	20	1	20	1	20	1	20	1	20	1	20	1	20							
32					1	20	1	20	1	20	1	20	1	20	1	20	1	20	1	20							
33					1	20	1	20	1	20	1	20	1	20	1	20	1	20	1	20							
34					1	20	1	20	1	20	1	20	1	20	1	20	1	20	1	20							
35					1	20	1	20	1	20	1	20	1	20	1	20	1	20	1	20							
36					1	20	1	20	1	20	1	20	1	20	1	20	1	20	1	20							
37					1	20	1	20	1	20	1	20	1	20	1	20	1	20	1	20							
38					1	20	1	20	1	20	1	20	1	20	1	20	1	20	1	20							
39					1	20	1	20	1	20	1	20	1	20	1	20	1	20	1	20							
40		2600	5200	5200	SUB-TOTAL	1	20	1	20	1	20	1	20	1	20	1	20	1	20	1	20						
																SUB-TOTAL				8660 11540 8450							
																LINE TOTALS				10750 16780 13650							
																LCL ADDER				1637.0 2945 2523							
																TOTAL WWS				12188 19725 15813							
																LAMP IMPACTS				48 71 51.5							
																TOTAL KVA LOAD				48.7 71.2 51.5							
FEED FROM: MCHS																FEEDER: MCHS-20				TOTAL KVA LOAD				48.7 71.2 51.5			
PROVIDE C.A. HANDLE CLIPS AS REQUIRED, FOR MULTIPLE THOTS, A COMMON NEUTRAL, 2 THOTS, 1 NEUT, 3P THOTS, 1 NEUT, 3P CLIP																											

DISTRIBUTION PANEL: MSR				VOLTAGE: 277 L.T.O.N.				480 L.T.O.				3 PHASE		4 WIRE					
MNA.I.C.				10000				AMPS				BUS: 1000				AMPERES		NAR: 1000	
LOCATION:				BASEMENT B1				B/S:				1000				B/S:		B/S:	
FEEDER NUMBER	TO	LOAD	FEEDER INFORMATION						P %	PROTECTION						REMARKS			
			WIRE AND CONDUIT		CON ENGPY TYPE (FT)	W/O T DROP	1 2 3 4	FRAME TRIP SIZE		SINTOL TYPE	FUSE								
MSR-1	RESTAURANT A	152.0 182.8	[2] 12 IN C -						MET	3	225	225	100	CONDUIT ONLY					
MSR-2	RETAL A1	74.7 88.0	[1] 12 IN C -						MET	3	100	100	100	CONDUIT ONLY					
MSR-3	RETAL B	70.9 85.3	[1] 12 IN C -						MET	3	100	100	100	CONDUIT ONLY					
MSR-4	RETAL B1	32.3 38.9	[1] 12 IN C -						MET	3	100	100	100	CONDUIT ONLY					
MSR-5	RETAL C	121.1 144.0	[1] 12 IN C -						MET	3	100	100	100	CONDUIT ONLY					
MSR-6	RETAL C1	32.8 39.5	[1] 12 IN C -						MET	3	100	100	100	CONDUIT ONLY					
MSR-7	RETAL D1	14.8 17.8	[1] 12 IN C -						MET	3	100	100	100	CONDUIT ONLY					
MSR-8	RETAL D1	122.4 147.1	[2] 12 IN C -						MET	3	225	225	100	CONDUIT ONLY					
MSR-9	RETAL F1	16.8 20.2	[1] 12 IN C -						MET	3	100	100	100	CONDUIT ONLY					
CONNECTED LOAD			528.8 636.0		FED FROM: MS				CONDUIT TYPE: MET-METALIC										
LONG CONT LD:					FEEDER NO:				PVC/NON-METALIC										
TOTAL CONNECTED LOAD			528.8 636.0																
OVERSIZED SERVICE LOAD:			528.8 VA		REMARKS:														
EQUIVALENT SERVICE AMPACITY:			636.0 AMPS																

NOTE: WHEN SINGLE PHASE LOADS ARE PRESENT THE AMPS ARE CALCULATED AS THE THREE PHASE EQUIVLENT PLUS THE LARGEST SINGLE PHASE LOAD

RECEPTILE LOAD	0 KVA	NET CONNECTED LOAD:	528.8 KVA
10 KVA @ 100%	0 KVA	DIV. RECEPT. LOAD:	0 KVA
BAL. @ 50%	0 KVA		
DIVER. RECEPT. LOAD	0 KVA	DIVERS. SERV. LOAD:	528.8 KVA

[illegible]

PANEL: H3W 3 PHASE 4 WIRE VOLTS: 277 L10N. 480 L10L1				MINIMUM PANEL AC 14,000				LUGS 100				AMPERE MAIN : AMPERE MAIN BUS				LUGS			
LOCATION: 3RD FLOOR HISTORIC BLDG				MOUNTING: SURFACE				LOAD:				6.3 (KVA) 11							
C K	VALUAD			LOAD DESCRIPTION	O R H	L P T S	P L T S	B U S	R L S	T R L S	P L T S	R L S	O R H	LOAD DESCRIPTION	VALUAD				
	A	B	C													A	B	C	
1	500			HIST. BLG L3 LTG	1			20	20	20	1								
3		500		HIST. BLG L2 LTG	1			20	20	20	1								
5			500	HIST BLG L1 LTG	1			20	20	20	1								
7	500			HIST BLG L3 LTG	1			20	20	20	1								
9		500		HIST BLG L2 LTG	1			20	20	20	1								
11			2000	HIST BLG L1 LTG	1			20	20	20	1								
13	500			HIST BULG L7 SITE LUG	1			20	20	20	1								
15								20	20	20									
17								20	20	20									
19								20	20	20									
21								20	20	20									
23								20	20	20									
25								20	20	20									
27								20	20	20									
29								20	20	20									
31								20	20	20									
33								20	20	20									
35								20	20	20									
37								20	20	20									
39								20	20	20									
41								20	20	20									
1500 1000 2500 SUB-TOTAL															SUB-TOTAL		0	0	
NOTES															LINE TOTALS		1500	1000	2500
															LOC ADJOUR		375	250	62
															TOTAL WASH		1875	1250	312
															LINE AMPS		7	5	1
FEED FROM: MISH FEEDER: MSH-10															TOTAL KVA LOAD		000	63	000

PROVIDE C.B. HANDLE CLIPS AS REQUIRED, FOR MULTIPLE MOTHS WITH A COMMON NEUTRAL, (1) HOTS, (1) NEUT-3P CLIP, (2) HOTS, (1) NEUT-3P CLIP

DISTRIBUTION PANEL		EH	277 L TO N 480 L TO L		3 PHASE 4 WIRE						
MIN. I.C.A.		100000	AMPS	BUS. BUS.		400 AMPERES	MAN. 400				
LOCATION:		BENTLEY B1		SUS. BUS.							
FEEDER NUMBER	TO	LOAD KVA	AMPS	FEEDER INFORMATION			N VOLTS DROP	P PROTECTION FRAME	SWITCH		REMARKS
				WIRE AND CONDUIT CON	LENGTH (FT)	TYPE			TRIP	SIZE	
							90				
EH-2	PANEL EBHW	27.1	32.6	[1]14-12 IN.C.-	4 #1 EA.	MET	50 0.15%	3	100	100	
EH-3	PANEL EBHE	9.3	11.2	[1]14-12 IN.C.-	4 #1 EA.	MET	140 0.15%	3	100	100	
EH-4	SP 182 (15HP)	17.5	21.0	[1]1 IN.C.-	3 #10 EA.	MET	180 0.15%	3	20	20	CJ WIRE
EH-5	SE 384 (.75HP)	9.1	11.0	[1]14 IN.C.-	3 #12 EA.	MET	100 0.76%	3	30	30	CJ WIRE
EH-6	PANEL EBHE	21.9	26.3	[1]1-12 IN.C.-	4 #1 EA.	MET	10 0.02%	3	100	100	
EH-6A	TR-ET1			[1]1 IN.C.-	3 #6 EA.	MET	10 0.01%	3	000	000	
EH-6B	PANEL ELB			[1]1-12 IN.C.-	4 #1 EA.	MET	10 0.01%	3	000	000	
EH-7	ELEVATOR #40 (HP)	43.2	52.0	[1]14 IN.C.-	3 #4	MET	130 0.65%	3	70	70	CJ WIRE
EH-8	ELEVATOR #9 (HP)	43.2	52.0	[1]14 IN.C.-	3 #4	MET	100 0.59%	3	70	70	CJ WIRE
EH-9	ELEVATOR #1 (40HP)	43.2	52.0	[1]14 IN.C.-	3 #4	MET	130 0.77%	3	70	70	CJ WIRE
EH-10	JOCKEY PUMP (10HP)	17.6	21.0	[1]14 IN.C.-	3 #12 EA.	MET	80 0.77%	3	20	20	
EH-11	SE 182 (15HP)	17.5	21.0	[1]1 IN.C.-	3 #10 EA.	MET	100 0.92%	3	30	30	
CONNECTED LOAD		243.7	293.1				EH	CONDUIT TYPE: MET-METALIC CONDUIT			
LONG CONT. LD.		0.0	0.0				MS-22A	PVC/NON-METALIC			
TOTAL CONNECTED LOAD		243.7	293.1								
DIVERSIFIED SERVICE LOAD				243.7 X .04			REMARKS:				
EQUIVALENT SERVICE AMPCY:				231.5 AMPS							

NOTE: WHEN SINGLE PHASE LOADS ARE PRESENT THE AMPS ARE CALCULATED AS THE THREE PHASE EQUIVALENT PLUS THE LARGEST SINGLE PHASE LOAD

RECEPTILE LOAD	0 KVA	NET CONNECTED LOAD:	243.7 KVA
10 KVA @ 100%	0 KVA	DIV. RECEPT. LOAD:	0 KVA
BAL. @ 50%	0 KVA		
DIVERS. RECEPT. LOAD	0 KVA	DIVERS. SERV. LOAD:	243.7 KVA

PANEL EHS1 3 PHASE 4 WIRE				MINIMUM PANEL AC				LUGS				AMPERE MAIN				LUGS													
VOLTS: 277 LTO L.N.				14,000								AMPERE MAIN BUS																	
LOCATION: 480 LTO L				NEW PANEL																									
LOAD				NEUTLING				SURFACE				LOAD				112 (KVA)													
C	K	A	B	C	O	T	H	C	L	P	T	B	P	L	T	B	O	T	H	LOAD DESCRIPTION				VLOAD				C	K
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20					A	B	C	21	22	
1	343																									2			
3																										2			
5																										2			
8																										2			
9	2000																									2			
11																										2			
12																										2			
13																										2			
15																										2			
17																										2			
18																										2			
20																										2			
21																										2			
25																										2			
26																										2			
28																										2			
29																										2			
31																										2			
33																										2			
34																										2			
37																										2			
41																										2			
2043	4000	2000		SUB-TOTAL																	SUB-TOTAL				0	0	0		
NOTES																				LINE TOTAL				2043	4000	2000			
																				LCL ADDER				735.8	1000	500			
																				TOTAL WWS				3078.8	5000	2500			
																				LINE AMPS				13	18	9			
FEED FROM: EH										FEEDER: DBH-3										TOTAL KVA LOAD				112	112	56			
PROVIDE 6C. HANDLE CLIPS AS REQUIRED, FOR MULTIPLE HOTELS WITH A COMMON NEUTRAL, (3) HOTS, (1) NEUT, 3P CLIP																													

PANEL NAME: 3 PHASE 4 WIRE				MINIMUM PANEL AC				LUGS				AMPERE MAIN : LUGS			
VOLTS: 277 L TO N				14 000								MAIN BUS			
LOCATION: 480 L TO L				NEW PANEL											
LOCATION: B4 PARKING				MOUNTING: SURFACE				LOAD:				89.8 (KVA) 1093. A			
C	K	A	B	O	R	L	P	T	S	R	F	O	R	L	P
K	A	B	C	H	C	S	S	P	A	B	C	H	C	S	S
1				LOAD				LOAD				LOAD			
2				DESCRIPTION				DESCRIPTION				DESCRIPTION			
3				SPARE				SPARE				SPARE			
4				LEVEL P4 LTG	1	421	10	-	-	-	-				
5				LEVEL P3 LTG	1	471	20	-	-	-	-				
6	3206	3648		HEAT TRACER	1	1	15	3	-	-	-	SPARE			
7				SPARE								SPARE			
8				HEAT TRACER	1	1	20	-	-	-	-				
9				GEF 3-1 (7.5HP)	1	3	20	20	3	-	-	GEF 4-1 (7.5HP)	3048		
10															
11															
12	3048														
13															
14															
15															
16															
17															
18	3048														
19															
20															
21															
22															
23															
24															
25															
26															
27															
28															
29															
30															
31	3048														
32															
33															
34															
35															
36															
37	1330														
38															
39															
40															
41															
42															
43															
44															
45															

NOTES				SUB TOTAL				SUB TOTAL				SUB TOTAL			
				17522 16618 11710								12192 12190 12192			
												29714 29070 29065			
												LOC. ADJER -0 3042 3174			
												TOTAL WAYS 20714 29834 30274			
												LINE AMPS 107 108 109			

MAIN PANEL		VR	VOLTAGE		277	L70N	480	L70L	3 PHASE	4	WIRE				
MIN A.I.C.		30000	AMPS				BUS		400 AMPERES	MAIN	400				
LOCATION		ROD ELECTRICAL ROOM				BUS		SEC. BUS							
FEEDER NUMBER	TO	LOAD		FEEDER INFORMATION				CON. LENGTH (FT)	% VOLTS DROP	P. C.B.S	PROTECTION		SWITCH	REMARKS	
		KVA	AMPS	WIRE AND CONDUIT		TYPE	SIZE				FRAME	TRIP			SIZE
HV-1	CH-1 (3HP)	17.0	21.0	1104 IN.C.	3	#10 EA.	MET	30	0.28%	3	30	30			
HV-2	CH-2 (3HP)	17.0	21.0	1104 IN.C.	3	#10 EA.	MET	35	0.32%	3	30	30			
HV-3	TS-2 (1P)	45.0	124.0	111 IN.C.	3	#8 EA.	MET	10	0.33%	2	30	70			
HV-3A	PANEL POOL			111-107IN.C.	4	#10 EA.	MET	10	0.18%	3	100				
HV-4A	PANEL HERE	56.0	68.0	112-102 IN.C.	4	#100 MCMA	MET	10	0.02%	3	225	225			
HV-4B	TR-1 TR			111-107IN.C.	3	#8 EA.	MET	10	0.18%	3	30	30			
HV-4B	PANEL USE			112-102 IN.C.	4	#100 MCMA	MET	10	0.06%	3	225	225			
HV-5	CHP-1 (1.5HP)	9.1	11.6	1104 IN.C.	3	#12 EA.	MET	3		3	20	20			
HV-6	CHP-2 (1.5HP)	9.1	11.6	1104 IN.C.	3	#12 EA.	MET	3		3	20	20			
HV-7	CHP-3 (1HP)	11.6	14.0	1104 IN.C.	3	#12 EA.	MET	3		3	20	20			
HV-8	CHP-4 (1HP)	11.6	14.0	1104 IN.C.	3	#12 EA.	MET	3		3	20	20			
HV-9	CHP-5 (1HP)	17.0	21.0	1104 IN.C.	3	#10 EA.	MET	3		3	30	30			
HV-10	CHP-1 (1HP)	17.0	21.0	1104 IN.C.	3	#10 EA.	MET	3		3	30	30			
HV-11	HAP-1 (3HP)	6.3	7.8	1104 IN.C.	3	#12 EA.	MET	3		3	15	15			
HV-12	HAP-1 (3HP)	6.3	7.8	1104 IN.C.	3	#12 EA.	MET	3		3	15	15			
HV-13	WF-1 (3HP)	6.3	7.8	1104 IN.C.	3	#12 EA.	MET	3		3	15	15			
CONNECTED LOAD		232.3	350.1	FED FROM:				MSH-15		CONDUIT TYPE:					
LONG CONT LD		0.0	0.0	FEEDER NO.:						MET- METALIC CONDUIT					
TOTAL CONNECTED LOAD		232.3	350.1	KVA				REMARKS:		PVC- NON-METALIC CONDUIT					
DIVERSIFIED SERVICE LOAD		232.3	350.1	AMPS											
EQUIVALENT SERVICE AMPCITY		279.4	424.0												

NOTE: WHEN SINGLE PHASE LOADS ARE PRESENT THE AMPS ARE CALCULATED AS THE THREE PHASE EQUIVALENT PLUS THE LARGEST SINGLE PHASE LOAD

RECEPTILE LOAD	0 KVA	NET CONNECTED LOAD:	232.3 KVA
10 KVA @ 100%	0 KVA	DIV. RECEPT. LOAD:	0.0 KVA
BAL. @ 50%	0 KVA		
DIVER. RECEPT. LOAD	0 KVA	DIVERS. SERV. LOAD:	232.3 KVA

PANEL ELB VOLTS: 120 208 LOCATION: B1 ELECT RM				3 PHASE 4 WIRE LTO N. LTO L				MINIMUM PANEL AIC 14,000				100A AMPERE MAIN : CB AMPERE MAIN BUS				NEW PANEL NEUTRING SURFACE LOAD: 1 (KVA) 4.2 A			
C K	V.A.L.O.A.D			LOAD DESCRIPTION	O R I G I N A L	T R A N S F O R M E R	B U S T E R M I N A L	P L E T T E R	O T H E R	LOAD DESCRIPTION	V.A.L.O.A.D			C K					
	A	B	C								A	B	C						
1	500			N. PARKING CFS2S	1	1	20							2					
3		500		S. PARKING CFS2S	1	1	20							2					
5							20							6					
7							20							8					
8							20							8					
11							20							10					
12							20							12					
13							20							14					
15							20							16					
17							20							20					
19							20							20					
21							20							22					
23							20							24					
25							20							26					
27							20							30					
29							20							32					
31							20							34					
33							20							36					
35							20							38					
37							20							40					
41							20							42					
	500	500	0	SUB-TOTAL			1	20											
NOTES											SUB-TOTAL			500	500	0			
											LINE TOTALS			0	0	0			
											LCL ADDER			0	0	0			
											TOTAL WVS			500	500	0			
											LINE AMPS			4	4	0			
FEED FROM: EH				FEEDER: DH-B				TOTAL KVA/LOAD				0.00	1.0	0.00					
PROVIDE C.B. HANDLE CLIPS AS REQUIRED FOR MULTIPLE HOTS, WITH A COMMON NEUTRAL. (1) HOTS, (1) NEUT, 3P CLIP, (2) HOTS, (1) NEUT, 3P CLIP																			

SHEET NOTES:

1. ALL PANELS AND CIRCUIT BREAKERS SHALL BE FULLY RATED

MSH	MSR	EH	HR
EHBW	EHBE	EH3E	ELB
HTE	H3W	HB4E	HBEA