

SWITCHBOARD <u>MSB</u> ②									
480Y/277 V, 3 PH, 4 W, 60 HZ									
800 AMP MAINS									
800 AMP MAIN BKR									
ALL BREAKERS SHALL HAVE A MINIMUM INTERRUPTING RATING OF 22,000 AMPS. PROVIDE WITH SEPARATE GROUND BUS.									
CKT No.	LOAD DESCRIPTION	BREAKERS		KVA		BREAKERS		LOAD DESCRIPTION	CKT No.
		POLE	AMP			AMP	POLE		
1	CH-1	3	300	142	142	300	3	CH-2	2
3	P-1	3	70	22.5	22.5	70	3	P-2	4
5	P-3	3	30	9.2	9.2	30	3	P-4	6
7	P-5	3	175	51.8	51.8	175	3	P-6	8
9	CT-1	3	90	52.8	26.6	100	3	PANEL HP	10
11	SPACE	3	100			100	3	SPACE	12
13	SPACE	3	225			225	3	SPACE	14
TOTAL CONNECTED LOAD <u>530.4</u> KVA									

PANEL <u>HP</u>									
480Y/277 V, 3 PH, 4 W, 60 HZ									
100 AMP MAINS									
MLO									
SURFACE <input checked="" type="checkbox"/>									
TOTAL SPACES <u>24</u>									
ALL BREAKERS SHALL HAVE A MINIMUM INTERRUPTING RATING OF 22,000 AMPS. PANEL SHALL BE PROVIDED WITH SEPARATE GROUND BUS.									
CKT No.	LOAD DESCRIPTION	BREAKERS		KVA		BREAKERS		LOAD DESCRIPTION	CKT No.
		POLE	AMP			AMP	POLE		
1	LIGHTS	1	20	1.4	5.1	30	1	EUH-1	2
3	SPACE	1			5.1	30	1	EUH-2	4
5	SPACE	1					1	SPACE	6
7	SPACE	1					1	SPACE	8
9	SPACE	1					1	SPACE	10
11	SPACE	1					1	SPACE	12
13	SPACE	1					1	SPACE	14
15	SPACE	1					1	SPACE	16
17	SPACE	1					1	SPACE	18
19	SPACE	1					1	SPACE	20
21	SPACE	1			15	30	3	PANEL LP THRU XFMR	22
23	SPACE	1							24
TOTAL CONNECTED LOAD <u>26.6</u> KVA									

PANEL <u>LP</u>									
208Y/120 V, 3 PH, 4 W, 60 HZ									
100 AMP MAINS									
60 AMP MAIN BKR									
SURFACE <input checked="" type="checkbox"/>									
TOTAL SPACES <u>24</u>									
ALL BREAKERS SHALL HAVE A MINIMUM INTERRUPTING RATING OF 10,000 AMPS. PANEL SHALL BE PROVIDED WITH SEPARATE GROUND BUS.									
CKT No.	LOAD DESCRIPTION	BREAKERS		KVA		BREAKERS		LOAD DESCRIPTION	CKT No.
		POLE	AMP			AMP	POLE		
1	LIGHTS	1	20	.1	.6	20	1	RECEPTACLE	2
3	SPACE	1			.8	20	1	CHEM. ANALYS.	4
5	SPACE	1			.4	20	1	FO PATCH PANEL	6
7	SPACE	1			.4	20	1	COMPUTER	8
9	SPACE	1			.6	20	1	WORK MONITOR	10
11	SPACE	1			.6	20	1	CONTROL	12
13	SPACE	1			1.2	3	1	EF-1	14
15	SPACE	1			1.2	3	1	EF-2	16
17	SPACE	1			.6	20	1	ACP	18
19	SPACE	1						SPACE	20
21	SPACE	1						SPACE	22
23	SPACE	1						SPACE	24
TOTAL CONNECTED LOAD <u>6.3</u> KVA									

PANEL <u>HMP</u>									
480Y/277 V, 3 PH, 4 W, 60 HZ									
600 AMP MAINS									
600 AMP MAIN BKR									
SURFACE <input checked="" type="checkbox"/>									
TOTAL SPACES <u>42</u>									
ALL BREAKERS SHALL HAVE A MINIMUM INTERRUPTING RATING OF 14,000 AMPS. PANEL SHALL BE PROVIDED WITH SEPARATE GROUND BUS.									
CKT No.	LOAD DESCRIPTION	BREAKERS		KVA		BREAKERS		LOAD DESCRIPTION	CKT No.
		POLE	AMP			AMP	POLE		
1									2
3	PANEL HK1	3	400	209.1	28.9	225	3	PANEL HA	4
5									6
7									8
9	PANEL HK2	3	400	186.8	54.7	225	3	PANEL HB	10
11									12
13									14
15	SPACE	3					3	SPACE	16
17									18
19									20
21	SPACE	3					3	SPACE	22
23									24
25	SPACE	3					3	SPACE	26
27									28
29									30
31									32
33	SPACE	3						SPACE	34
35									36
37									38
39	SPACE	3					3	SPACE	40
41									42
TOTAL CONNECTED LOAD <u>459.5</u> KVA									

PANEL <u>HB</u>									
480 V, 3 PH, 3 W, 60 HZ									
225 AMP MAINS									
MLO									
SURFACE <input checked="" type="checkbox"/>									
TOTAL SPACES <u>42</u>									
ALL BREAKERS SHALL HAVE A MINIMUM INTERRUPTING RATING OF 14,000 AMPS. PANEL SHALL BE PROVIDED WITH SEPARATE GROUND BUS.									
CKT No.	LOAD DESCRIPTION	BREAKERS		KVA		BREAKERS		LOAD DESCRIPTION	CKT No.
		POLE	AMP			AMP	POLE		
1									2
3	P-9	3	9			20	3	AHU-1	4
5									6
7									8
9	P-7	3	30	8.8	6.1	20	3	AHU-2	10
11									12
13									14
15	P-8	3	20	1.2	6.1	20	3	AHU-3	16
17									18
19									20
21	SPACE	3			6.1	20	3	AHU-4	22
23									24
25	SPACE	3			8.8	30	3	EF-1	26
27									28
29									30
31									32
33	SPACE	3			6.1	20	3	EF-3	34
35									36
37									38
39	SPACE	3			1.5	20	3	EF-9	40
41									42
TOTAL CONNECTED LOAD <u>54.7</u> KVA									

ALL WORK ON THIS SHEET IS PART OF THE CHILLER PLANT REPLACEMENT OPTION.

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- KEYED NOTES (THIS SHEET ONLY)**
- 1 PROVIDE BREAKER WITH ELECTRIC SHUNT TRIP FEATURE. WIRE TO TRIP BREAKER ON SIGNAL FROM FIRE ALARM CONTROL PANEL.
 - 2 OVERALL DIMENSIONS OF THE SWITCHBOARD SHALL BE 78" WIDE X 24" DEEP X 90" HIGH.

RECORDS DRAWING DATE 9/27/04

CODE ID NO. 80881

DRAWING SIZE: D

SPEC. NO. 06-88-09.38

CONSTR. CONTR. NO. N62447-98-C-09.38

NAVFAC DRAWING NO. 0338019

SHEET 194 OF 194

E-609

APPROVED: RD DATE: 9/27/04 DES FOR COMMANDER, NAVFAC

CHARLESTON AIR FORCE BASE CHARLESTON, SOUTH CAROLINA

Naval Facilities Engineering Command Southern Division Charleston, South Carolina

DINING FACILITY PANEL SCHEDULES

GLICK/BOCHIM & ASSOC. INC. 267 Meeting Street Charleston, S.C. 29403-4377

DESIGNER: DAVID ALLEN CHECKED BY: DAVID ALLEN DATE: 9/27/04

SUBMITTED BY: (FROM MEMBER) DATE: 9/27/04

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