

ELECTRICAL SCHEDULE OF MECHANICAL EQUIPMENT																		
TAG	DESCRIPTION	VOLTS	PH	LOAD	FLA	MCA	MOPD	DISCONNECT SWITCH				STARTER (NEMA)		CBD	PANEL	WIRING IN CONDUIT	NOTES	
								FRAME	POLES	FUSE	NEMA ENCL	FBD	SIZE/VFD					FBD
CT-2	COOLING TOWER - FAN	208	3	10 HP	32.2	--	--				23	VFD	23	23	XA	(3) #6 + (1) #10G		
	COOLING TOWER - PUMP	208	3	1 HP	4.8	--	--	30	3	15	3R	NEMA 0	26	23	XA	(3) #12 + (1) #12G		
	COOLING TOWER - DRAIN PAN HEATERS	208	3	4 KW	11.1	--	--	30	3	15	3R			23	XA	(3) #12 + (1) #12G		
CD-3	WATER COOLED CONDENSING UNIT	208	3	--	22.4	22.4	30	30	3	30	3R	26	-	23	23	X1	(3) #10 + (1) #10G	
CD-4	WATER COOLED CONDENSING UNIT	208	3	--	22.4	22.4	30	30	3	30	3R	26	-	23	23	X1	(3) #10 + (1) #10G	1
CD-5	WATER COOLED CONDENSING UNIT	208	3	--	22.4	22.4	30	30	3	30	3R	26	-	23	23	XA	(3) #10 + (1) #10G	
CD-6	WATER COOLED CONDENSING UNIT	208	3	--	22.4	22.4	40	30	3	30	3R	26	-	23	23	XA	(3) #10 + (1) #10G	3
HP-7R	HEAT PUMP INDOOR UNIT	208	1	--	2.80	2.80	15	20	2	NF	1	26	--	23	X1	(2) #12 + (1) #12G		
HP-13	HEAT PUMP INDOOR UNIT	208	1	--	0.60	0.60	15	20	2	NF	1	26	--	23	X1	(2) #12 + (1) #12G	5	
HP-14	HEAT PUMP INDOOR UNIT	208	1	--	0.60	0.60	15	20	2	NF	1	26	--	23	X1	(2) #12 + (1) #12G	5	
HP-15	HEAT PUMP INDOOR UNIT	208	1	--	0.60	0.60	15	20	2	NF	1	26	--	23	X1	(2) #12 + (1) #12G	5	
HP-16	HEAT PUMP INDOOR UNIT	208	1	--	2.80	2.80	15	20	2	NF	1	26	--	23	X1	(2) #12 + (1) #12G	1, 6	
HP-17	HEAT PUMP INDOOR UNIT	208	1	--	2.80	2.80	15	20	2	NF	1	26	--	23	X1	(2) #12 + (1) #12G	1, 6	
HP-18	HEAT PUMP INDOOR UNIT	208	1	--	2.80	2.80	15	20	2	NF	1	26	--	23	X1	(2) #12 + (1) #12G	1, 6	
HP-19	HEAT PUMP INDOOR UNIT	208	1	--	1.80	1.80	15	20	2	NF	1	26	--	23	X1	(2) #12 + (1) #12G	7	
HP-20	HEAT PUMP INDOOR UNIT	208	1	--	3.40	3.40	15	20	2	NF	1	26	--	23	XA	(2) #12 + (1) #12G	8	
HP-21	HEAT PUMP INDOOR UNIT	208	1	--	2.90	2.90	15	20	2	NF	1	26	--	23	XA	(2) #12 + (1) #12G	8	
HP-22	HEAT PUMP INDOOR UNIT	208	1	--	0.60	0.60	15	20	2	NF	1	26	--	23	X1	(2) #12 + (1) #12G	3, 9	
HP-23	HEAT PUMP INDOOR UNIT	208	1	--	0.60	0.60	15	20	2	NF	1	26	--	23	X1	(2) #12 + (1) #12G	3, 9	
HP-24	HEAT PUMP INDOOR UNIT	208	1	--	2.80	2.80	15	20	2	NF	1	26	--	23	X1	(2) #12 + (1) #12G	3, 9	
HP-25	HEAT PUMP INDOOR UNIT	208	1	--	0.60	0.60	15	20	2	NF	1	26	--	23	X1	(2) #12 + (1) #12G	2, 10	
ERU-3	ENERGY RECOVERY UNIT	120	1	--	1.5	--	--	30	2	15	1	26	NEMA 0	26	23	X1	(2) #12 + (1) #12G	
ERU-4	ENERGY RECOVERY UNIT	208	1	--	4.9	--	--	30	2	15	1	26	NEMA 0	26	23	X1	(2) #12 + (1) #12G	
ERU-5	ENERGY RECOVERY UNIT	208	1	--	4.9	--	--	30	2	15	1	26	NEMA 0	26	23	X1	(2) #12 + (1) #12G	1
ERU-6	ENERGY RECOVERY UNIT	208	1	--	13.8	15.6	--	30	2	15	1	26	NEMA 0	26	23	XA	(2) #12 + (1) #12G	
ERU-7	ENERGY RECOVERY UNIT	208	1	--	4.9	--	--	30	2	15	1	26	NEMA 0	26	23	XA	(2) #12 + (1) #12G	3
BS-6	BRANCH SELECTOR	208	1	--	0.1	0.1	15A	20	2	NF	1	26	--	23	X1	(2) #12 + (1) #12G		
BS-7	BRANCH SELECTOR	208	1	--	0.1	0.1	15A	20	2	NF	1	26	--	23	X1	(2) #12 + (1) #12G	1	
BS-8	BRANCH SELECTOR	208	1	--	0.1	0.1	15A	20	2	NF	1	26	--	23	X1	(2) #12 + (1) #12G		
BS-9	BRANCH SELECTOR	208	1	--	0.1	0.1	15A	20	2	NF	1	26	--	23	XA	(2) #12 + (1) #12G	3	
BS-10	BRANCH SELECTOR	208	1	--	0.1	0.1	15A	20	2	NF	1	26	--	23	X1	(2) #12 + (1) #12G	3	
BS-20	BRANCH SELECTOR	208	1	--	0.1	0.1	15A	20	2	NF	1	26	--	23	X1	(2) #12 + (1) #12G	2	

NOTES:

- PROVIDED UNDER ALTERNATE #1.
- PROVIDED UNDER ALTERNATE #2.
- PROVIDED UNDER ALTERNATE #3.
- NOT USED.
- CONNECT VIA BRANCH SELECTOR BS-6.
- CONNECT VIA BRANCH SELECTOR BS-7.
- CONNECT VIA BRANCH SELECTOR BS-8.
- CONNECT TO CONDENSING UNIT CD-5 UNDER BASE BID. CONNECT VIA BRANCH SELECTOR BS-9 UNDER ALTERNATE #3.
- CONNECT VIA BRANCH SELECTOR BS-10.
- CONNECT VIA BRANCH SELECTOR BS-20.

ABBREVIATIONS:

FWE FURNISHED WITH EQUIPMENT
NF NOT FUSED
SWBD SWITCHBOARD
FBD FURNISHED BY DIVISION
CBD CONTROL WIRING BY DIVISION

PANEL SCHEDULE ~ X1									
PROVIDE FEED-THROUGH LUGS FOR CONNECTING PANEL XA FEEDER									
VOLTAGE: 208/120V			M.L.O. 225A			AIC: 10KA			
3-PHASE, 4-WIRE									
CIRCUIT BREAKER				CIRCUIT LOAD (KVA) CONNECTED			BRANCH CIRCUIT DESCRIPTION		
CKT NO	BRKR SIZE	NO OF POLES	PH	A	B	C			
1			A	2.69					
3	30	3	B		2.69				
5			C			2.69			
7			A	2.69					
9	30	3	B		2.69				
11			C			2.69			
13			A	0.08					
15	15	2	B		0.08		HP-25, BS-20		
17			C			0.49			
19	15	2	A	0.49			HP-13, HP-14, HP-15, BS-6		
21			B		0.59				
23	20	2	C			0.59	ERU-4		
25	20	1	A	0.18			ERU-3		
27	20	1	B		0.00		SPARE		
29	20	1	C		0.00		SPARE		
31	20	1	A	0.00			SPARE		
33	20	1	B		0.00		SPARE		
35	20	1	C		0.00		SPARE		
37	20	1	A	0.00			SPARE		
39	20	1	B		0.00		SPARE		
41	20	1	C		0.00		SPARE		
SUBTOTAL				6.13	6.05	6.46			
2			A	0.34					
4	15	2	B		0.34		HP-7R		
6			C			0.29			
8	15	2	A	0.29			HP-19, BS-8		
10			B		0.59				
12	20	2	C			0.59	ERU-5		
14	15	2	A	0.49			HP-22, HP-23, HP-24, BS-10		
16			B		0.49				
18	15	2	C			1.02	HP-16, HP-17, HP-18, BS-7		
20			A	1.02					
22	20	1	B		0.00		SPARE		
24	20	1	C		0.00		SPARE		
26	20	1	A	0.00			SPARE		
28	20	1	B		0.00		SPARE		
30	20	1	C		0.00		SPARE		
32	20	1	A	0.00			SPARE		
34	20	1	B		0.00		SPARE		
36	20	1	C		0.00		SPARE		
38	20	1	A	0.00			SPARE		
40	20	1	B		0.00		SPARE		
42	20	1	C		0.00		SPARE		
SUBTOTAL				2.14	1.42	1.90			

PANEL SCHEDULE ~ XA									
PROVIDE FEED-THROUGH LUGS FOR CONNECTING PANEL XA FEEDER									
VOLTAGE: 208/120V			M.L.O. 225A			AIC: 10KA			
3-PHASE, 4-WIRE									
CIRCUIT BREAKER				CIRCUIT LOAD (KVA) CONNECTED			BRANCH CIRCUIT DESCRIPTION		
CKT NO	BRKR SIZE	NO OF POLES	PH	A	B	C			
1			A	3.86					
3	60	3	B		3.86		CT-2 FAN		
5			C			3.86			
7			A	0.58					
9	20	3	B		0.58		CT-2 PUMP		
11			C		0.58				
13			A	1.33					
15	20	3	B		1.33		CT-2 HEAT		
17			C		1.33				
19			A	1.66					
21	20	2	B		1.66		ERU-6		
23			C		0.59				
25	20	2	A	0.59			ERU-7		
27	20	1	B		0.00		SPARE		
29	20	1	C		0.00		SPARE		
31	20	1	A	0.00			SPARE		
33	20	1	B		0.00		SPARE		
35	20	1	C		0.00		SPARE		
37	20	1	A	0.00			SPARE		
39	20	1	B		0.00		SPARE		
41	20	1	C		0.00		SPARE		
SUBTOTAL				8.02	7.43	6.36			
2			A	2.69					
4	30	3	B		2.69		CD-5		
6			C			2.69			
8			A	2.69					
10	30	3	B		2.69		CD-6		
12			C			2.69			
14	20	2	A	0.00			SPARE		
16			B		0.00				
18	20	2	C		0.77		HP-20, HP-21, BS-9		
20			A	0.77					
22	20	1	B		0.00		SPARE		
24	20	1	C		0.00		SPARE		
26	20	1	A	0.00			SPARE		
28	20	1	B		0.00		SPARE		
30	20	1	C		0.00		SPARE		
32	20	1	A	0.00			SPARE		
34	20	1	B		0.00		SPARE		
36	20	1	C		0.00		SPARE		
38	20	1	A	0.00			SPARE		
40	20	1	B		0.00		SPARE		
42	20	1	C		0.00		SPARE		
SUBTOTAL				6.15	5.38	6.15			

