

LOAD SUMMARY SCHEDULE				
SERVICE: 2000A 208Y/120V 3Ø, 4W				
DESCRIPTION OF LOAD	CONNECTED (KVA)	DEMAND FACTOR	DEMAND (KVA)	NOTES
LIGHTING	44.4	1.25	55.5	-
RECEPTACLES (1ST 10 KVA)	10.0	1.00	10.0	-
RECEPTACLES (REMAINING KVA)	46.2	0.50	28.1	-
TOTAL MOTORS (ELEVATOR)	-	-	-	-
LARGEST MOTOR (ELEVATOR)	43.2	1.25	54.0	-
COOLING ONLY	182.2	1.00	182.2	-
HEATING ONLY	0.0	0.00	0.0	-
MISC. LOAD	36.8	1.0	36.8	-
TOTALS	362.8		366.6	-
TOTAL DEMAND AMP: 1018.33				

PANEL "MRB" (NOTE 1)		INTERRUPTING CAPACITY	TYPE:	MLO	FED FROM SWITCHBOARD MSB				
120/208V, 3Ø, 4W		42K AIC (NOTE 2)	MAINS: MOUNTING:	400A SURFACE					
KVA	DESCRIPTION	FEEDER	PROT.	CIRCUITS	PROT.	DESCRIPTION	FEEDER	KVA	
12.0	RTU-2-2	3#6, 1#10, 3/4"C	50	1	2	60	HP-B-2	3#8, 1#8, 1"C	6.1
-	-	-	-	3	4	2	-	-	-
-	-	-	-	5	6	60	HP-B-4	3#8, 1#8, 1"C	6.1
12.0	RTU-2-4	3#6, 1#10, 3/4"C	50	7	8	2	-	-	-
-	-	-	-	9	10	45	CU-1-2	3#6, 1#10, 3/4"C	4.0
-	-	-	-	11	12	2	-	-	-
12.0	RTU-2-6	3#6, 1#10, 3/4"C	50	13	14	45	CU-1-4	3#6, 1#10, 3/4"C	4.0
-	-	-	-	15	16	2	-	-	-
-	-	-	-	17	18	-	-	-	-
-	-	-	-	19	20	-	-	-	-
-	-	-	-	21	22	-	-	-	-
-	-	-	-	23	24	-	-	-	-
-	-	-	-	25	26	-	-	-	-
-	-	-	-	27	28	-	-	-	-
-	-	-	-	29	30	-	-	-	-
-	-	-	-	31	32	-	-	-	-
-	-	-	-	33	34	-	-	-	-
-	-	-	-	35	36	-	-	-	-
-	-	-	-	37	38	-	-	-	-
-	-	-	-	39	40	-	-	-	-
-	-	-	-	41	42	-	-	-	-
-	-	-	-	43	44	-	-	-	-
-	-	-	-	45	46	-	-	-	-
-	-	-	-	47	48	-	-	-	-
36.0	SUB-TOTAL							SUB-TOTAL	20.2
TOTAL: 56.2 KVA					SUB-TOTAL				

NOTES:  
1. PROVIDE I-LINE OR GE SPECTRA SERIES POWER PANEL BOARD.  
2. CONTRACTOR TO PROVIDE AIC RATING AS PER CALCULATED VALUE. FAULT CURRENT CALCULATION BY CONTRACTOR OR PANEL AND SWITCHBOARD MANUFACTURER.

PANEL "MRA" (NOTE 1)		INTERRUPTING CAPACITY	TYPE:	MLO	FED FROM SWITCHBOARD MSB				
120/208V, 3Ø, 4W		42K AIC (NOTE 2)	MAINS: MOUNTING:	400A SURFACE					
KVA	DESCRIPTION	FEEDER	PROT.	CIRCUITS	PROT.	DESCRIPTION	FEEDER	KVA	
12.0	RTU-2-1	3#6, 1#10, 3/4"C	50	1	2	60	HP-B-1	3#8, 1#8, 1"C	6.1
-	-	-	-	3	4	2	-	-	-
-	-	-	-	5	6	60	HP-B-3	3#8, 1#8, 1"C	6.1
12.0	RTU-2-3	3#6, 1#10, 3/4"C	50	7	8	2	-	-	-
-	-	-	-	9	10	60	HP-B-5	3#8, 1#8, 1"C	6.1
-	-	-	-	11	12	2	-	-	-
12.0	RTU-2-5	3#6, 1#10, 3/4"C	50	13	14	45	CU-1-1	3#6, 1#10, 3/4"C	4.0
-	-	-	-	15	16	2	-	-	-
-	-	-	-	17	18	-	-	-	-
-	-	-	-	19	20	2	-	-	-
-	-	-	-	21	22	-	-	-	-
-	-	-	-	23	24	-	-	-	-
-	-	-	-	25	26	-	-	-	-
-	-	-	-	27	28	-	-	-	-
-	-	-	-	29	30	-	-	-	-
-	-	-	-	31	32	-	-	-	-
-	-	-	-	33	34	-	-	-	-
-	-	-	-	35	36	-	-	-	-
-	-	-	-	37	38	-	-	-	-
-	-	-	-	39	40	-	-	-	-
-	-	-	-	41	42	-	-	-	-
-	-	-	-	43	44	-	-	-	-
-	-	-	-	45	46	-	-	-	-
-	-	-	-	47	48	-	-	-	-
36.0	SUB-TOTAL							SUB-TOTAL	26.3
TOTAL: 62.3 KVA					SUB-TOTAL				

NOTES:  
1. PROVIDE I-LINE OR GE SPECTRA SERIES POWER PANEL BOARD.  
2. CONTRACTOR TO PROVIDE AIC RATING AS PER CALCULATED VALUE. FAULT CURRENT CALCULATION BY CONTRACTOR OR PANEL AND SWITCHBOARD MANUFACTURER.

PANEL "R2"		INTERRUPTING CAPACITY	TYPE:	MLO	(NOTE 1)				
208Y/120V, 3Ø, 4W		42K AIC	MAINS: MOUNTING:	250A SURFACE					
KVA	DESCRIPTION	FEEDER	PROT.	CIRCUITS	PROT.	DESCRIPTION	FEEDER	KVA	
1.0	ROOF RECEPTACLE	2#12, 1#12, 1/2"C	20/1	1	2	20/1	SPARE		
0.2	WATER HEATER IGNITER	2#12, 1#12, 1/2"C	20/1	3	4	20/1	SPARE		
0.2	BATHROOM RECEPTACLE	2#12, 1#12, 1/2"C	20/1	5	6	20/1	SPARE		
1.0	2ND FLOOR RECEPTACLE	2#12, 1#12, 1/2"C	20/1	7	8	20/1	SPARE		
1.0	2ND FLOOR RECEPTACLE	2#12, 1#12, 1/2"C	20/1	9	10	20/1	SPARE		
1.0	2ND FLOOR RECEPTACLE	2#12, 1#12, 1/2"C	20/1	11	12	20/1	SPARE		
1.0	2ND FLOOR RECEPTACLE	2#12, 1#12, 1/2"C	20/1	13	14	20/1	SPARE		
1.0	2ND FLOOR RECEPTACLE	2#12, 1#12, 1/2"C	20/1	15	16	20/1	SPARE		
1.0	2ND FLOOR RECEPTACLE	2#12, 1#12, 1/2"C	20/1	17	18	20/1	SPARE		
-	SPARE	-	-	19	20	20/1	SPARE		
-	SPARE	-	-	21	22	20/1	SPARE		
-	SPARE	-	-	23	24	20/1	SPARE		
-	SPARE	-	-	25	26	20/1	SPARE		
-	SPARE	-	-	27	28	20/1	SPARE		
-	SPARE	-	-	29	30	20/1	SPARE		
-	SPARE	-	-	31	32	20/1	SPARE		
-	SPARE	-	-	33	34	20/1	SPARE		
-	SPARE	-	-	35	36	20/1	SPARE		
-	SPARE	-	-	37	38	20/1	SPARE		
-	SPARE	-	-	39	40	20/1	SPARE		
-	SPARE	-	-	41	42	20/1	SPARE		
7.4	SUB-TOTAL							SUB-TOTAL	7.4
TOTAL: 7.4 KVA					SUB-TOTAL				

NOTES:  
1. PROVIDE LIGHTING PANEL BOARD.  
2. AIC RATING OF THIS PANEL CAN BE REDUCE AFTER COORDINATION STUDY DONE BY PANEL MANUFACTURER REPRESENTATIVE.  
3. PROVIDE FEED THRU LUG FOR SECTION TWO.

PANEL "R1" (SECTION 1)		INTERRUPTING CAPACITY	TYPE:	MLO	(NOTE 1)				
208Y/120V, 3Ø, 4W		42K AIC	MAINS: MOUNTING:	250A SURFACE					
KVA	DESCRIPTION	FEEDER	PROT.	CIRCUITS	PROT.	DESCRIPTION	FEEDER	KVA	
1.0	AHU-1-1	2#12, 1#12, 1/2"C	20/1	1	2	20/1	1ST FLOOR RECEPTACLE	2#12, 1#12, 1/2"C	1.0
1.0	AHU-1-2	2#12, 1#12, 1/2"C	20/1	3	4	20/1	1ST FLOOR RECEPTACLE	2#12, 1#12, 1/2"C	1.0
1.0	AHU-1-3	2#12, 1#12, 1/2"C	20/1	5	6	20/1	1ST FLOOR RECEPTACLE	2#12, 1#12, 1/2"C	1.0
1.0	AHU-1-4	2#12, 1#12, 1/2"C	20/1	7	8	20/1	1ST FLOOR RECEPTACLE	2#12, 1#12, 1/2"C	1.0
-	SPARE	-	-	9	10	20/1	1ST FLOOR RECEPTACLE	2#12, 1#12, 1/2"C	1.0
-	SPARE	-	-	11	12	20/1	1ST FLOOR RECEPTACLE	2#12, 1#12, 1/2"C	1.0
-	SPARE	-	-	13	14	20/1	1ST FLOOR RECEPTACLE	2#12, 1#12, 1/2"C	1.0
-	SPARE	-	-	15	16	20/1	1ST FLOOR RECEPTACLE	2#12, 1#12, 1/2"C	1.0
-	SPARE	-	-	17	18	20/1	1ST FLOOR RECEPTACLE	2#12, 1#12, 1/2"C	1.0
-	SPARE	-	-	19	20	20/1	1ST FLOOR RECEPTACLE	2#12, 1#12, 1/2"C	1.0
-	SPARE	-	-	21	22	20/1	1ST FLOOR RECEPTACLE	2#12, 1#12, 1/2"C	1.0
-	SPARE	-	-	23	24	20/1	1ST FLOOR RECEPTACLE	2#12, 1#12, 1/2"C	1.0
-	SPARE	-	-	25	26	20/1	1ST FLOOR RECEPTACLE	2#12, 1#12, 1/2"C	1.0
-	SPARE	-	-	27	28	20/1	1ST FLOOR RECEPTACLE	2#12, 1#12, 1/2"C	1.0
-	SPARE	-	-	29	30	20/1	1ST FLOOR RECEPTACLE	2#12, 1#12, 1/2"C	1.0
-	SPARE	-	-	31	32	20/1	1ST FLOOR RECEPTACLE	2#12, 1#12, 1/2"C	1.0
-	SPARE	-	-	33	34	20/1	BATHROOM RECEPTACLE	2#12, 1#12, 1/2"C	0.4
-	SPARE	-	-	35	36	20/1	EXTERIOR RECEPTACLE	2#12, 1#12, 1/2"C	0.4
-	SPARE	-	-	37	38	20/1	AV ROOM RECEPTACLE	2#12, 1#12, 1/2"C	1.0
-	SPARE	-	-	39	40	20/1	AV ROOM RECEPTACLE	2#12, 1#12, 1/2"C	1.0
-	SPARE	-	-	41	42	20/1	AV ROOM RECEPTACLE	2#12, 1#12, 1/2"C	1.0
4.0	SUB-TOTAL							SUB-TOTAL	19.8
TOTAL: 23.8 KVA					SUB-TOTAL				

NOTES:  
1. PROVIDE LIGHTING PANEL BOARD.  
2. AIC RATING OF THIS PANEL CAN BE REDUCE AFTER COORDINATION STUDY DONE BY PANEL MANUFACTURER REPRESENTATIVE.  
3. PROVIDE FEED THRU LUG FOR FUTURE SECTION TWO.

PANEL "KA" (SECTION 1)		INTERRUPTING CAPACITY	TYPE:	MLO	(NOTE 1)				
208Y/120V, 3Ø, 4W		22K AIC	MAINS: MOUNTING:	250A SURFACE					
KVA	DESCRIPTION	FEEDER	PROT.	CIRCUITS	PROT.	DESCRIPTION	FEEDER	KVA	
2.0	KEF-1	2#12, 1#12, 1/2"C	20	1	2	20	WALK IN COOLER COMPRESSOR	2#12, 1#12, 1/2"C	2.3
-	-	-	-	3	4	2	-	-	-
1.5	KEF-2	2#12, 1#12, 1/2"C	20	5	6	20/1	WALK IN COOLER EVAPORATOR COIL	2#12, 1#12, 1/2"C	1.0
-	-	-	-	7	8	20/1	WALK IN COOLER LIGHTS	2#12, 1#12, 1/2"C	0.2
-	-	-	-	9	10	60	DISH WASHER	3#4, 1#8G, 1"C	12.0
1.5	KMUF-1	2#12, 1#12, 1/2"C	20	11	12	3	-	-	-
-	-	-	-	13	14	20/1	-	-	-
-	-	-	-	15	16	20/1	MICROWAVE	2#12, 1#12G, 1/2"C	1.0
-	-	-	-	17	18	20/1	PREP TABLE	2#12, 1#12G, 1/2"C	1.0
1.0	KMUF-2	2#12, 1#12, 1/2"C	20/1	19	20	20/1	PREP TABLE	2#12, 1#12G, 1/2"C	1.0
1.0	DEF-1	2#12, 1#12, 1/2"C	20/1	21	22	20/1	PREP TABLE	2#12, 1#12G, 1/2"C	1.0
1.0	EXHUST HOOD POWER	2#12, 1#12, 1/2"C	20/1	23	24	20/1	MICROWAVE	2#12, 1#12G, 1/2"C	1.0
0.2	EXHUST HOOD SUPPRESSION SYSTEM	2#12, 1#12, 1/2"C	20/1	25	26	20/1	PREP TABLE	2#12, 1#12G, 1/2"C	1.0
1.0	CONV. RECEPTACLE	2#12, 1#12, 1/2"C	20/1	27	28	20/1	PREP TABLE	2#12, 1#12G, 1/2"C	1.0
-	SPARE	-	-	29	30	20/1	PREP TABLE	2#12, 1#12G, 1/2"C	1.0
-	SPARE	-	-	31	32	20/1	TWO DOOR REFRIGERATOR	2#12, 1#12, 1/2"C	1.0
-	SPARE	-	-	33	34	20/1	TWO DO		