

WIRING PANEL SCHEDULE

PANEL: MDP		MAINS: MLO			AMPS: 1000			AIC: 22K				
VOLTAGE: 480Y/277V		WIRES: 4 PHASE: 3			MOUNTING: SURFACE			LOC: PENTHOUSE				
CIR	DESCRIPTION	P	AMP	BRANCH CIRCUIT	CIR	DESCRIPTION	P	AMP	BRANCH CIRCUIT			
1	-	-	-	-	2	-	-	-	-			
3	ELEVATOR #5	3	80	1-1/4"C.W/3#3+1# 8GRD.	4	ELEVATOR #6	3	80	1-1/4"C.W/3#3+1# 8GRD.			
5	-	-	-	-	6	-	-	-	-			
7	-	-	-	-	8	-	-	-	-			
9	HP-1-ERU	3	40	3/4"C.W/3#10+1#10GRD.	10	HP-2-ERU	3	40	3/4"C.W/3#10+1#10GRD.			
11	-	-	-	-	12	-	-	-	-			
13	-	-	-	-	14	-	-	-	-			
15	EXHAUST FAN: EF-1	3	15	3/4"C.W/3#12+1#12GRD.	16	PUMP: P-CH1	3	40	3/4"C.W/3#10+1#10GRD.			
17	-	-	-	-	18	-	-	-	-			
19	-	-	-	-	20	-	-	-	-			
21	EXHAUST FAN: EF-2	3	15	3/4"C.W/3#12+1#12GRD.	22	PUMP: P-CH2	3	40	3/4"C.W/3#10+1#10GRD.			
23	-	-	-	-	24	-	-	-	-			
25	-	-	-	-	26	-	-	-	-			
27	PANEL H4-NE	3	100	FEEDER 17	28	PANEL H2-NE	3	100	FEEDER 19			
29	-	-	-	-	30	-	-	-	-			
31	-	-	-	-	32	-	-	-	-			
33	PANEL H3-NE	3	100	FEEDER 18	34	XFMR: T-1	3	200	FEEDER 3			
35	-	-	-	-	36	-	-	-	-			
37	-	-	-	-	38	-	-	-	-			
39	XFMR: T-2	3	200	FEEDER 5	40	ENERGY REC. UNIT: ERU-1	3	80	1 1/4"C.W/3#3+1#8GRD.			
41	-	-	-	-	42	-	-	-	-			
43	-	-	-	-	44	-	-	-	-			
45	SPACE (225AF)	3	-	-	46	SPACE (150AF)	3	-	-			
47	-	-	-	-	48	-	-	-	-			
EX. DEMAND LOAD				TOTAL PHASE A			PROPOSED DEMAND LOAD			TOTAL PHASE A		
EX. DEMAND LOAD				TOTAL PHASE B			PROPOSED DEMAND LOAD			TOTAL PHASE B		
EX. DEMAND LOAD				TOTAL PHASE C			PROPOSED DEMAND LOAD			TOTAL PHASE C		

FEEDER SCHEDULE

FEEDER NUMBER	SERVING	SERVED FROM	CONDUIT	WIRE	GROUND	AMPS
1	PANEL MDP	NEW DISTRIBUTION SECTION	(3) 3"	3 SETS 4#350 MCM	3#2/0	600
2	T-1	PANEL MDP	2"	4#3/0	1#6	200
3	PANEL LDP-NW	T-1	(2) 2"	2 SETS 4#3/0	(2) 1#3	400
4	T-2	PANEL MDP	2"	4#3/0	1#6	200
5	PANEL LDP-NE	T-2	(2) 2"	2 SETS 4#3/0	(2) 1#3	400
6	PANEL LS-DP	T-3	2"	4#1/0	1#6	150
7	T-3	EX. PANEL EH1	1 1/2"	3#1	1#8	70
8	ELEVATOR #5	PANEL MDP	1-1/4"	3#3	1#8	80
9	PANEL L2-NW	PANEL MDP-NW	2"	4#1/0	1#1	150
10	PANEL L3-NW	PANEL MDP-NW	2"	4#1/0	1#1	150
11	PANEL L4-NW	PANEL MDP-NW	2"	4#1/0	1#1	150
12	LS-4NW	PANEL LS-DP	1 1/4"	4#4	1#10	60
13	LS-2NW	PANEL LS-DP	1 1/4"	4#4	1#10	60
14	PANEL L4-NE	PANEL MDP-NE	2"	4#1/0	1#1	150
15	PANEL L3-NE	PANEL MDP-NE	2"	4#1/0	1#1	150
16	PANEL L2-NE	PANEL MDP-NE	2"	4#1/0	1#1	150
17	PANEL H4-NE	PANEL MDP	1 1/4"	4#3	1#8	100
18	PANEL H3-NE	PANEL MDP	1 1/4"	4#3	1#8	100
19	PANEL H2-NE	PANEL MDP	1 1/4"	4#3	1#8	100
20	ELEVATOR #6	PANEL MDP	1-1/4"	3#3	1#8	80
21	HP-1-ERU	PANEL MDP	3/4"	3#8	1#10	40
22	HP-2-ERU	PANEL MDP	3/4"	3#8	1#10	40

WIRING PANEL SCHEDULE

PANEL: H2-NE		MAINS: MLO										AMPS: 100		AIC: 14K	
VOLTAGE: 480Y/277V		WIRES: 4 PHASE: 3										MOUNTING: SURFACE		LOC: 2ND FLR. EAST	
CIR	DESCRIPTION	P	AMP	BRANCH CIRCUIT	A	A	B	B	C	C	CIR	DESCRIPTION	P	AMP	BRANCH CIRCUIT
1	HP-2-1	1	15	3/4"C.W/2#12+1#12GRD.	5	5	-	-	-	-	2	HP-2-13	1	15	3/4"C.W/2#12+1#12GRD.
3	HP-2-2	1	15	3/4"C.W/2#12+1#12GRD.	-	-	5.5	5.5	-	-	4	HP-2-14	1	15	3/4"C.W/2#12+1#12GRD.
5	HP-2-3	1	15	3/4"C.W/2#12+1#12GRD.	-	-	-	-	5.5	5.5	6	HP-2-15	1	15	3/4"C.W/2#12+1#12GRD.
7	HP-2-4	1	15	3/4"C.W/2#12+1#12GRD.	5.5	7.1	-	-	-	-	8	HP-2-16	1	15	3/4"C.W/2#12+1#12GRD.
9	HP-2-5	1	15	3/4"C.W/2#12+1#12GRD.	-	-	7.1	7.1	-	-	10	HP-2-17	1	15	3/4"C.W/2#12+1#12GRD.
11	HP-2-6	1	15	3/4"C.W/2#12+1#12GRD.	-	-	-	-	7.1	5	12	HP-2-18	1	15	3/4"C.W/2#12+1#12GRD.
13	HP-2-7	1	15	3/4"C.W/2#12+1#12GRD.	5	5	-	-	-	-	14	HP-2-19	1	15	3/4"C.W/2#12+1#12GRD.
15	HP-2-8	1	15	3/4"C.W/2#12+1#12GRD.	-	-	5	3.6	-	-	16	HP-2-20	1	15	3/4"C.W/2#12+1#12GRD.
17	HP-2-9	1	15	3/4"C.W/2#12+1#12GRD.	-	-	-	-	3.6	3.6	18	HP-2-21	1	15	3/4"C.W/2#12+1#12GRD.
19	HP-2-10	1	15	3/4"C.W/2#12+1#12GRD.	3.6	3.6	-	-	-	-	20	HP-2-22	1	15	3/4"C.W/2#12+1#12GRD.
21	HP-2-11	1	15	3/4"C.W/2#12+1#12GRD.	-	-	3.6	3.6	-	-	22	HP-2-23	1	15	3/4"C.W/2#12+1#12GRD.
23	HP-2-12	1	15	3/4"C.W/2#12+1#12GRD.	-	-	-	-	3.6	3.6	24	HP-2-24	1	15	3/4"C.W/2#12+1#12GRD.
25	HP-NE - BRIDGE	1	20	3/4"C.W/2#12+1#12GRD.	11.4	3.6	-	-	-	-	26	HP-2-25	1	15	3/4"C.W/2#12+1#12GRD.
27	HP-NW - BRIDGE	1	20	3/4"C.W/2#12+1#12GRD.	-	-	11.4	11.4	-	-	28	HP-2-1-DAY/ACTIVITY ROOM	1	20	3/4"C.W/2#12+1#12GRD.
29	HP-2-2-DAY/ACTIVITY ROOM	1	20	3/4"C.W/2#12+1#12GRD.	-	-	-	-	11.4	0	30	SPARE	1	20	-
31	SPARE	1	20	-	0	0	-	-	-	-	32	SPARE	1	20	-
33	SPACE	1	-	-	-	-	0	0	-	-	34	SPACE	1	-	-
35	SPACE	1	-	-	-	-	-	-	0	0	36	SPACE	1	-	-
37	SPACE	1	-	-	0	0	-	-	-	-	38	SPACE	1	-	-
39	SPACE	1	-	-	-	-	0	0	-	-	40	SPACE	1	-	-
41	SPACE	1	-	-	-	-	-	-	0	0	42	SPACE	1	-	-
	CONNECTED LOAD		0 A	TOTAL PHASE A	22 A										
	DEMAND LOAD		0 A	TOTAL PHASE B	30 A										
	25% GROWTH		0 A	TOTAL PHASE C	26 A										

WIRING PANEL SCHEDULE																
PANEL: H3-NE		MAINS: MLO										AMPS: 100		AIC: 14K		
VOLTAGE: 480Y/277V		WIRES: 4		PHASE: 3								MOUNTING: SURFACE		LOC: 3RD FLR. EAST		
CIR	DESCRIPTION	P	AMP	BRANCH CIRCUIT	A	A	B	B	C	C	CIR	DESCRIPTION	P	AMP	BRANCH CIRCUIT	
1	HP-3-1	1	15	3/4"C.W/2#12+1#12GRD.	7.1	7.1	-	-	-	-	2	HP-3-14	1	15	3/4"C.W/2#12+1#12GRD.	
3	HP-3-2	1	15	3/4"C.W/2#12+1#12GRD.	-	-	7.1	7.1	-	-	4	HP-3-15	1	15	3/4"C.W/2#12+1#12GRD.	
5	HP-3-3	1	15	3/4"C.W/2#12+1#12GRD.	-	-	-	-	5	5	6	HP-3-16	1	15	3/4"C.W/2#12+1#12GRD.	
7	HP-3-4	1	15	3/4"C.W/2#12+1#12GRD.	5	5	-	-	-	-	8	HP-3-17	1	15	3/4"C.W/2#12+1#12GRD.	
9	HP-3-5	1	15	3/4"C.W/2#12+1#12GRD.	-	-	5	3.6	-	-	10	HP-3-18	1	15	3/4"C.W/2#12+1#12GRD.	
11	HP-3-6	1	15	3/4"C.W/2#12+1#12GRD.	-	-	-	-	3.6	3.6	12	HP-3-19	1	15	3/4"C.W/2#12+1#12GRD.	
13	HP-3-7	1	15	3/4"C.W/2#12+1#12GRD.	3.6	3.6	-	-	-	-	14	HP-3-20	1	15	3/4"C.W/2#12+1#12GRD.	
15	HP-3-8	1	15	3/4"C.W/2#12+1#12GRD.	-	-	3.6	3.6	-	-	16	HP-3-21	1	15	3/4"C.W/2#12+1#12GRD.	
17	HP-3-9	1	15	3/4"C.W/2#12+1#12GRD.	-	-	-	-	3.6	3.6	18	HP-3-22	1	15	3/4"C.W/2#12+1#12GRD.	
19	HP-3-10	1	15	3/4"C.W/2#12+1#12GRD.	3.6	3.6	-	-	-	-	20	HP-3-23	1	15	3/4"C.W/2#12+1#12GRD.	
21	HP-3-11	1	15	3/4"C.W/2#12+1#12GRD.	-	-	3	3	-	-	22	HP-3-24	1	15	3/4"C.W/2#12+1#12GRD.	
23	HP-3-12	1	15	3/4"C.W/2#12+1#12GRD.	-	-	-	-	3	3	24	HP-3-25	1	15	3/4"C.W/2#12+1#12GRD.	
25	HP-3-13	1	15	3/4"C.W/2#12+1#12GRD.	3	11.4	-	-	-	-	26	HP-3-3-DAY/ACTIVITY ROOM	1	20	3/4"C.W/2#12+1#12GRD.	
27	HP-3-NE - BRIDGE	1	20	3/4"C.W/2#12+1#12GRD.	-	-	11.4	11.4	-	-	28	HP-3-3-DAY/ACTIVITY ROOM	1	20	3/4"C.W/2#12+1#12GRD.	
29	HP-3-NW - BRIDGE	1	20	3/4"C.W/2#12+1#12GRD.	-	-	-	-	11.4	11.4	30	HP-3-CORRIDOR	1	20	3/4"C.W/2#12+1#12GRD.	
31	HP-3-26	1	15	3/4"C.W/2#12+1#12GRD.	3	0	-	-	-	-	32	SPACE	1	-	-	
33	SPACE	1	-	-	-	-	0	0	-	-	34	SPACE	1	-	-	
35	SPACE	1	-	-	-	-	-	-	0	0	36	SPACE	1	-	-	
37	SPACE	1	-	-	0	0	-	-	-	-	38	SPACE	1	-	-	
39	SPACE	1	-	-	-	-	0	0	-	-	40	SPACE	1	-	-	
41	SPACE	1	-	-	-	-	-	-	0	0	42	SPACE	1	-	-	
CONNECTED LOAD		0 A		TOTAL PHASE A		25 A										
DEMAND LOAD		0 A		TOTAL PHASE B		29 A										
25% GROWTH		0 A		TOTAL PHASE C		36 A										

WIRING PANEL SCHEDULE

PANEL: H4-NE		MAINS: MLO												AMPS: 100		AIC: 14K			
VOLTAGE: 480Y/277V		WIRES: 4		PHASE: 3												MOUNTING: SURFACE		LOC: 4TH FLR. EAST	
CIR	DESCRIPTION	P	AMP	BRANCH CIRCUIT		A	A	B	B	C	C	CIR	DESCRIPTION	P	AMP	BRANCH CIRCUIT			
1	HP-4-1	1	15	3/4"C.W/2#12+1#12GRD.		7.1	7.1					2	HP-4-14	1	15	3/4"C.W/2#12+1#12GRD.			
3	HP-4-2	1	15	3/4"C.W/2#12+1#12GRD.				7.1	7.1			4	HP-4-15	1	15	3/4"C.W/2#12+1#12GRD.			
5	HP-4-3	1	15	3/4"C.W/2#12+1#12GRD.						5	5	6	HP-4-16	1	15	3/4"C.W/2#12+1#12GRD.			
7	HP-4-4	1	15	3/4"C.W/2#12+1#12GRD.		5	5					8	HP-4-17	1	15	3/4"C.W/2#12+1#12GRD.			
9	HP-4-5	1	15	3/4"C.W/2#12+1#12GRD.				3.6	3.6			10	HP-4-18	1	15	3/4"C.W/2#12+1#12GRD.			
11	HP-4-6	1	15	3/4"C.W/2#12+1#12GRD.						3.6	3.6	12	HP-4-19	1	15	3/4"C.W/2#12+1#12GRD.			
13	HP-4-7	1	15	3/4"C.W/2#12+1#12GRD.		3.6	3.6					14	HP-4-20	1	15	3/4"C.W/2#12+1#12GRD.			
15	HP-4-8	1	15	3/4"C.W/2#12+1#12GRD.				3.6	3.6			16	HP-4-21	1	15	3/4"C.W/2#12+1#12GRD.			
17	HP-4-9	1	15	3/4"C.W/2#12+1#12GRD.		-	-	-	-	3	3	18	HP-4-22	1	15	3/4"C.W/2#12+1#12GRD.			
19	HP-4-10	1	15	3/4"C.W/2#12+1#12GRD.		3	3	-	-	-	-	20	HP-4-23	1	15	3/4"C.W/2#12+1#12GRD.			
21	HP-4-11	1	15	3/4"C.W/2#12+1#12GRD.		-	-	3	3	-	-	22	HP-4-24	1	15	3/4"C.W/2#12+1#12GRD.			
23	HP-4-12	1	15	3/4"C.W/2#12+1#12GRD.		-	-	-	-	3	3	24	HP-4-25	1	15	3/4"C.W/2#12+1#12GRD.			
25	HP-4-13	1	15	3/4"C.W/2#12+1#12GRD.		3	11.4	-	-	-	-	26	HP-4-1-DAY/ACTIVITY ROOM	1	20	3/4"C.W/2#12+1#12GRD.			
27	HP-4-2-DAY/ACTIVITY ROOM	1	20	3/4"C.W/2#12+1#12GRD.		-	-	11.4	11.4	-	-	28	HP-4-NE BRIDGE	1	20	3/4"C.W/2#12+1#12GRD.			
29	HP-4-NW BRIDGE	1	20	3/4"C.W/2#12+1#12GRD.		-	-	-	-	11.4	11.4	30	HP-4-NE COORIDOR	1	20	3/4"C.W/2#12+1#12GRD.			
31	SPACE	1	-	-		0	0	-	-	-	-	32	SPACE	1	-	-			
33	SPACE	1	-	-		-	-	0	0	-	-	34	SPACE	1	-	-			
35	SPACE	1	-	-		-	-	-	-	0	0	36	SPACE	1	-	-			
37	SPACE	1	-	-		0	0	-	-	-	-	38	SPACE	1	-	-			
39	SPACE	1	-	-		-	-	0	0	-	-	40	SPACE	1	-	-			
41	SPACE	1	-	-		-	-	-	-	0	0	42	SPACE	1	-	-			
CONNECTED LOAD		0 A		TOTAL PHASE A		20 A													
DEMAND LOAD		0 A		TOTAL PHASE B		29 A													
25% GROWTH		0 A		TOTAL PHASE C		35 A													