

PANEL SCHEDULE ~ HDP							
VOLTAGE: 208/120V				MCB 400A		PROJECT: IRIS NETWORK	
3 PHASE, 4 WIRE				AIC: 42K			
CIRCUIT BREAKER				CIRCUIT KVA LOAD			BRANCH CIRCUIT DESCRIPTION
CKT NO	BRKR SIZE	NO OF POLES	PH	A	B	C	
1	225	3	A	5.07			HP1
3			B		5.20		
5			C			3.77	
7	225	3	A	8.59			HP2
9			B		9.07		
11			C			6.52	
13	125	3	A	12.76			KP
15			B		14.07		
17			C			13.24	
19	100	3	A				SPARE
21			B				
23			C				
25	125	3	A				SPARE
27			B				
29			C				
SUBTOTAL:				26.42	28.34	23.53	
2	225	3	A	7.00			PANEL BP
4			B		10.14		
6			C			6.61	
8	100	3	A	11.04			ELEVATOR
10	SHUNT		B		11.04		
12	TRIP		C			11.04	
14	225	3	A				SPARE
16			B				
18			C				
20	225	3	A				SPARE
22			B				
24			C				
26		1	A				SPACE
28		1	B				SPACE
30		1	C				SPACE
SUBTOTAL:				18.04	21.18	17.65	

PANEL SCHEDULE ~ BP							
VOLTAGE: 208/120V				MLO 225A		PROJECT: IRIS NETWORK	
3 PHASE, 4 WIRE				AIC: 42K			
CIRCUIT BREAKER				CIRCUIT KVA LOAD			BRANCH CIRCUIT DESCRIPTION
CKT NO	BRKR SIZE	NO OF POLES	PH	A	B	C	
1	20	1	A	0.24			AC-1, AC-2, AC-3
3	20	2	B		1.68		DCU-2
5			C			1.68	
7	20	1	A	0.50			B-2
9	20	1	B		0.50		B-4
11	20	3	C			0.00	P-2
13			A	0.00			
15			B		0.00		
17	20	1	C			0.95	EF-1, EF-2, EF-3
19	20	1	A				SPARE
21	20	1	B		0.54		REC: EXTERIOR
23	20	1	C				SPARE
25	20	1	A				SPARE
27	20	1	B				SPARE
29	20	1	C				SPARE
31	20	1	A				SPARE
33	20	1	B		0.36		REC: TEL/DATA BACKBOARD
35	20	1	C			0.36	REC: TEL/DATA BACKBOARD
37	20	1	A	0.36			REC: MECH ROOM
39	20	1	B		0.54		REC: ELEV PIT SUMP
41	20	1	C			0.18	REC: ELEV PIT
SUBTOTAL:				1.10	3.62	3.17	
2	20	2	A	1.92			DCU-1
4			B		1.92		
6	20	1	C			0.50	B-1
8	20	1	A	0.50			B-3
10	20	3	B		1.32		P-1
12			C			1.32	
14			A	1.32			
16	20	1	B		1.12		P-3
18	20	1	C			0.54	GND (2)UH-1,(2)CH-1,(2)CH-2 & EF-4
20	20	1	A	0.90			REC: CORR, STAIR 1
22	20	1	B		1.08		REC: COMPUTER
24	20	1	C			0.72	REC: COMPUTER
26	20	1	A	0.36			REC: FITNESS
28	20	1	B		0.90		REC: MECH, CORR, STAIR 2
30	20	1	C			0.18	REC: JANITOR CLOSET
32	20	1	A	0.54			MECH CONTROLS
34	20	1	B		0.18		REC: DOGWASH
36	20	1	C			0.18	REC: ELEV MACH ROOM
38	20	1	A	0.36			ELEV. CAR LTS & PWR
40	20	2	B				LTG: SITE & BUILDING MOUNTED EXT.
42			C				
SUBTOTAL:				5.90	6.52	3.44	

PANEL SCHEDULE ~ HP1							
VOLTAGE: 208/120V				MLO 225A		PROJECT: IRIS NETWORK	
3 PHASE, 4 WIRE				AIC: 42K			
CIRCUIT BREAKER				CIRCUIT KVA LOAD			BRANCH CIRCUIT DESCRIPTION
CKT NO	BRKR SIZE	NO OF POLES	PH	A	B	C	
1	20	1	A	0.72			REC:FIRST FLOOR COMPUTER
3	20	1	B		0.72		REC:FIRST FLOOR COMPUTER
5	20	1	C			1.26	REC:FIRST FLOOR CORR & STAIR 1
7	20	1	A	0.72			REC:OFFICE AREA
9	20	1	B		0.90		REC:OFFICE AREA
11	20	1	C			0.54	MOTORIZED DOOR OPERATORS & CUH-2
13	20	1	A	0.18			REC: FIRST FLOOR TOILET
15	20	1	B		0.18		REC: FIRST FLOOR JANITOR CLOSET
17	20	1	C			0.18	REC: EXTERIOR
19	20	1	A				SPARE
21	20	1	B				SPARE
23	20	1	C				SPARE
25	20	1	A				SPARE
27	20	1	B				SPARE
29	20	1	C				SPARE
31	20	1	A				SPARE
33	20	1	B				SPARE
35	20	1	C				SPARE
37	20	1	A				SPARE
39	20	1	B				DOOR HOLDERS
41	20LOCK	1	C				FACP
SUBTOTAL:				1.62	1.80	1.98	
2	20	1	A	0.09			LTG: ELEV. PIT
4	20	1	B		0.16		LTG: ELEV. MACH. ROOM
6	20	1	C			1.05	LTG GND: FITNESS, TENANT STOR. DOGWASH
8	20	1	A	1.13			LTG GND: CORR., COMP/GATHERING
10	20	1	B		1.13		LTG GND: CORR.
12	20	1	C			0.74	LTG GND: MECH, MAINT, LAUNDRY
14	20	1	A	1.22			LTG 1ST:CORR, COMP/GATHERING
16	20	1	B		1.18		LTG 1ST:DINING, VEST, OFFICE, SOCIAL
18	20	1	C				LTG: KITCHEN
20	20	1	A	1.01			LTG: CORR,
22	20	1	B		0.93		LTG: STAIR 1 & STAIR 2
24	20	1	C				SPARE
26	20	1	A				SPARE
28	20	2	B				SPARE
30			C				
32	20	1	A				SPARE
34	20	1	B				SPARE
36	20	1	C				SPARE
38	20	3	A				SPARE
40			B				
42			C				
SUBTOTAL:				3.45	3.40	1.79	

PANEL SCHEDULE ~ HP2							
VOLTAGE: 208/120V				MLO 225A		PROJECT: IRIS NETWORK	
3 PHASE, 4 WIRE				AIC: 22K			
CIRCUIT BREAKER				CIRCUIT KVA LOAD			BRANCH CIRCUIT DESCRIPTION
CKT NO	BRKR SIZE	NO OF POLES	PH	A	B	C	
1	20	2	A	1.20			MAU-1
3			B		1.20		
5	20	1	C				SPARE
7	20	3	A	1.90			HRU-2
9			B		1.90		
11			C			1.90	
13	20	1	A	1.25			LTG 2ND: CORR
15	20	1	B		1.25		LTG 2ND: CORR,OFFICE, ACTIVITY,LAUNDRY
17	20	1	C			0.38	LTG: 3RD FLOOR
19	20	1	A				SPARE
21	20	1	B				SPARE
23	20	1	C				SPARE
25	20	1	A				SPARE
27	20	1	B				SPARE
29	20	1	C				SPARE
31	20	1	A				SPARE
33	20	1	B				SPARE
35	20	1	C				SPARE
37	20	1	A				SPARE
39	20	2	B		1.20		HEF-1
41			C			1.20	
SUBTOTAL:				4.35	5.55	3.48	
2	20	3	A	1.90			HRU-1
4			B		1.90		
6			C			1.90	
8	20	1	A	1.44			REC:SECOND FLOOR CORR, STAIR 1&2
10	20	1	B		0.72		REC:SECOND FLOOR COMPUTER
12	20	1	C			0.72	REC:SECOND FLOOR COMPUTER
14	20	1	A	0.36			REC: MEETING ROOM
16	20	1	B		0.18		REC: JANITOR CLOSET
18	20	1	C			0.36	REC: ROOF
20	20	1	A	0.54			REC: MECH CONTROLS
22	20	1	B		0.72		REC: ACTIVITY ROOM
24	20	1	C			0.06	EF-5, (2) UH-1
26	20	1	A				SPARE
28	20	2	B				SPARE
30			C				
32	20	1	A				SPARE
34	20	1	B				SPARE
36	20	1	C				SPARE
38	20	3	A				SPARE
40			B				
42			C				
SUBTOTAL:				4.24	3.52	3.04	

PANEL SCHEDULE ~ KP							
VOLTAGE: 208/120V				MLO 125A		PROJECT: IRIS NETWORK	
3 PHASE, 4 WIRE				AIC: 22K			
CIRCUIT BREAKER				CIRCUIT KVA LOAD			BRANCH CIRCUIT DESCRIPTION
CKT NO	BRKR SIZE	NO OF POLES	PH	A	B	C	
1	50	2	A	4.52			TAG 2 - DISHWASHER
3			B		4.52		
5	20	1	C			1.92	TAG 12 - REFRIGERATOR/FREEZER
7	20	1	A	0.72			TAG 14 - CONVECTION OVEN
9	20L	1	B		0.50		TAG 15 - HOOD LIGHTS & FIRE SUPPRESSION
11	30	3	C			2.78	TAG 17 - HOT FOOD SERVING COUNTER
13			A	2.78			
15			B		2.78		
17	20	3	C			0.26	TAG 25 - DISPOSER
19			A	0.26			
21			B		0.26		
23	20	1	C			1.80	TAG 27 - JUICE DISPENSER
25	20	3	A				SPARE
27			B				
29			C				
31	20	1	A				SPARE
33	20	1	B				SPARE
35	20	1	C				SPARE
37			A				SPACE
39			B				SPACE
41			C				SPACE
SUBTOTAL:				8.28	8.06	6.76	
2	20	1	A	0.98			TAG 7 - MIXER
4	20	1	B		0.85		TAG 10 - REFRIG COUNTER
6	20	1	C			1.50	TAG 10 BUILT-IN RECEPTACLE
8	20	1	A	1.50			TAG 10 BUILT-IN RECEPTACLE
10	20	1	B		1.14		TAG 16 - 2-SECTION REFRIGERATOR
12	20	1	C			0.96	TAG 18 - UNDERCOUNTER REFRIGERATOR
14	20	1	A	0.20			TAG 20 - MILK DISPENSER
16	20	1	B		1.68		TAG 24A - 2-SECTION FREEZER
18	20	1	C			1.68	TAG 24B - 2-SECTION FREEZER
20	20	1	A	1.80			TAG 28A - COFFEE WARMER
22	30	2	B		2.34		TAG 28 - COFFEE BREWER
24			C			2.34	
26	20	2	A				SPARE
28			B				
30	20	1	C				SPARE
32	20	1	A				SPARE
34	20	1	B				SPARE
36	20	1	C				SPARE
38			A				SPACE
40			B				SPACE
42			C				SPACE
SUBTOTAL:				4.48	6.01	6.48	

PANEL SCHEDULE ~ P						
120/208V			200A MLO		PROJECT: IRIS NETWORK	
1 PHASE, 3 WIRE			10K AIC			
CIRCUIT BREAKER				CIRCUIT KVA LOAD		BRANCH CIRCUIT DESCRIPTION
CKT NO	BRKR SIZE	NO OF POLES	PH	A	B	
1	20	1	A	1.80		WASHER ~ GROUND FLOOR
3	20	1	B		1.80	WASHER ~ GROUND FLOOR
5	30	2	A	2.50		DRYER ~ GROUND FLOOR
7			B		2.50	
9	30	2	A	2.50		DRYER ~ GROUND FLOOR
11			B		2.50	
13	20	1	A	1.80		WASHER ~ SECOND FLOOR
15	20	1	B		1.80	WASHER ~ SECOND FLOOR
17	30	2	A	2.50		DRYER ~ SECOND FLOOR
19			B		2.50	
21	30	2	A	2.50		DRYER ~ SECOND FLOOR
23			B		2.50	
SUBTOTAL:				13.60	13.60	
2	20	1	A	1.80		WASHER ~ FIRST FLOOR
4	20	1	B		1.80	WASHER ~ FIRST FLOOR
6	30	2	A	2.50		DRYER ~ FIRST FLOOR
8			B		2.50	
10	30	2	A	2.50		DRYER ~ FIRST FLOOR
12			B		2.50	
14	20	1	A			SPARE
16	20	1	B			SPARE
18	30	2	A			SPARE
20			B			
22	30	2	A	2.25		EWH
24			B		2.25	
SUBTOTAL:				9.05	9.05	

TYPICAL PANEL SCHEDULE ~ AP						
120/208V				100A MLO		PROJECT: IRIS NETWORK
1 PHASE, 3 WIRE				10K AIC		
CIRCUIT BREAKER				CIRCUIT KVA LOAD		BRANCH CIRCUIT DESCRIPTION
CKT NO	BRKR SIZE	NO OF POLES	PH	A	B	
1	20	1	A	1.11		LIGHTING
3	20	1	B		0.90	BEDROOM 1 RECEPT
5	20	1	A	0.90		LIVINGROOM RECEPT
7	20	1	B		0.18	BATHROOM RECEPT
9	20	1	A	0.90		BEDROOM 2 RECEPT (AS INDICATED)
11	20	1	B		1.80	REC - A/C UNIT LIVINGROOM (DEDICATED)
13	30	1	A	1.80		REC - A/C UNIT BR 1 (DEDICATED)
15	30	1	B		1.80	REC - A/C UNIT BR 2 (DEDICATED) (AS INDICATED)
17	30	1	A			SPACE
19	30	1	B			SPACE
21	20	1	A			SPACE
23	20	1	B			SPACE
SUBTOTAL:				4.71	4.68	
2	40	2	A	4.00		RANGE
4			B		4.00	
6	20	1	A	1.50		KITCHEN RECEPT
8	20	1	B		1.50	KITCHEN RECEPT
10	20	1	A	0.44		REFRIGERATOR
12	20	1	B		0.36	RANGE HOOD FAN & LIGHT
14	20	1	A	0.72		DISHWASHER
16	20	1	B		1.44	DISPOSER
18	20	1	A			SPACE
20	20	1	B			SPACE
22	20	1	A			SPACE
24	20	1	B			SPACE
SUBTOTAL:				6.66	7.30	

ELECTRICAL SCHEDULE OF MECHANICAL EQUIPMENT												
EQUIPMENT	VOLTS	PHASE	HP	MCA	FLA	DISCONNECT SW AMPS/POLES/FUSE/ ENCLOSURE	STARTER	STARTER DIVISION RESPONSI BLE	CONTROL DIVISION RESPONSI BLE	PANEL	WIRING	NOTES
AC-1	120	1	--	1	--	20/1/NF/NEMA 1	--	15	15	BP	(2)#12+(1)#12G	
AC-2	120	1	--	.5	--	20/1/NF/NEMA 1	--	15	15	BP	(2)#12+(1)#12G	
AC-3	120	1	--	.5	--	20/1/NF/NEMA 1	--	15	15	BP	(2)#12+(1)#12G	
DCU-1	208	1	--	16	--	30/2/20/NEMA 3R	--	15	15	BP	(2)#12+(1)#12G	
DCU-2	208/120	1	--	14	--	30/2/20/NEMA 3R	--	15	15	BP	(3)#12+(1)#12G	
B-1	120	1		--	--	20/1/NF/NEMA 1	--	15	15	BP	(2)#12+(1)#12G	
B-2	120	1		--	--	20/1/NF/NEMA 1	--	15	15	BP	(2)#12+(1)#12G	
B-3	120	1		--	--	20/1/NF/NEMA 1	--	15	15	BP	(2)#12+(1)#12G	
B-4	120	1		--	--	20/1/NF/NEMA 1	--	15	15	BP	(2)#12+(1)#12G	
P-1	208	3	3	--	--	30/3/20/NEMA 1	SIZE 0	16	15	BP	(3)#12+(1)#12G	
P-2	208	3	3	--	--	30/3/20/NEMA 1	SIZE 0	16	15	BP	(3)#12+(1)#12G	
P-3	120	1	.5	--	--	20/1/NF/NEMA 1	--	15	15	BP	(2)#12+(1)#12G	
EF-1	120	1	1/10	--	--	FWE	--	15	15	BP	(2)#12+(1)#12G	
EF-2	120	1	1/8	--	--	FWE	--	15	15	BP	(2)#12+(1)#12G	
EF-3	120	1	1/10	--	--	FWE	--	15	15	BP	(2)#12+(1)#12G	
EF-4	120	1	1/10	--	--	FWE	--	15	15	BP	(2)#12+(1)#12G	
EF-5	120	1	1/10	--	--	FWE	--	15	15	HP2	(2)#12+(1)#12G	
MAU-1	208	1	1	--	--	30/3/15/NEMA 1	SIZE 0	16	16	HP2	(2)#12+(1)#12G	1
HEF-1	208	1	1	--	--	30/3/15/NEMA 1	SIZE 0	16	16	HP2	(2)#12+(1)#12G	
HRU-1	208	3	(2)@2	--	15.8	30/3/20/NEMA 1	SIZE 0	15	15	HP2	(3)#12+(1)#12G	
HRU-2	208	3	(2)@2	--	15.8	30/3/20/NEMA 1	SIZE 0	15	15	HP2	(3)#12+(1)#12G	
EWH	208	1		4.5KW		30/2/30/NEMA 1	--	--	--	P	(3)#10+(1)#10G	
FWE = FURNISHED WITH EQUIPMENT UNDER DIVISION 15 NF = NON-FUSED NOTES: 1. WIRE AND CONNECT MOTORIZED BACKDRAFT DAMPER FURNISHED BY DIVISION 15.												