

PANEL NPN		10,000 A (FULLY RATED BREAKERS)		EQUIPMENT GROUND BUS	
MAIN BUS AMPS: 200 A		A/C: SECTIONS:		10,000 A (FULLY RATED BREAKERS)	
MAIN BREAKER: N/A		MOUNTING: LOCATION:		EQUIPMENT GROUND BUS	
VOLTAGE: 208Y/120 V		MOUNTING: LOCATION:		EQUIPMENT GROUND BUS	
PHASES/WIRES: 3 PH / 4 W		MOUNTING: LOCATION:		EQUIPMENT GROUND BUS	
CIRCUIT DESCRIPTION	POLES	AMPS	LOAD	CKT NO	POLES
IRRIGATION CONTROLLER	1	20	500	1	2
OPEN OFFICE 3121 REC #1	1	20	900	3	4
OPEN OFFICE 3121 REC #2	1	20	720	5	6
OPEN OFFICE 3121 REC #3	1	20	900	7	8
OPEN OFFICE 3121 REC #4	1	20	900	9	10
KITCHENETTE 3116 COUNTER REC	1	20	360	11	12
KITCHENETTE 3116 MICROWAVE	1	20	180	13	14
KITCHENETTE 3116 REF	1	20	180	15	16
CONFERENCE 3112 REC #1	1	20	1,080	17	18
CONFERENCE 3112 REC #2	1	20	720	19	20
CONFERENCE 3112 SCREEN	1	20	500	21	22
RESTROOM 3111 DRYER #1	1	20	1,200	23	24
RESTROOM 3111 DRYER #2	1	20	1,200	25	26
RESTROOM 3108 DRYER #1	1	20	1,200	27	28
RESTROOM 3108 DRYER #2	1	20	1,200	29	30
DRINKING FOUNTAIN 3110	1	20	500	31	32
VENDING 3002 REC #1	1	20	180	33	34
VENDING 3002 REC #2	1	20	180	35	36
LOBBY 3001A REC	1	20	1,080	37	38
KIOSKS 3006A FLOOR BOXES #1	1	20	540	39	40
KIOSKS 3006A FLOOR BOXES #2	1	20	540	41	42
KIOSKS 3006A REC	1	20	720	43	44
CONFERENCE 3105 REC #1	1	20	1,080	45	46
CONFERENCE 3105 REC #2	1	20	540	47	48
CONFERENCE 3105/106 SCREENS	1	20	1,000	49	50
CONFERENCE 3106 REC #1	1	20	1,080	51	52
CONFERENCE 3106 REC #2	1	20	540	53	54
ELEVATOR MACHINE ROOM REC/LTG	1	20	224	55	56
ELEVATOR PIT REC/LTG	1	20	672	57	58
RESTROOM 1128 DRYER #1	1	20	1,200	59	60
RESTROOM 1128 DRYER #2	1	20	1,200	61	62
RESTROOM 1130 DRYER #1	1	20	1,200	63	64
RESTROOM 1130 DRYER #2	1	20	1,200	65	66
DRINKING FOUNTAIN 1131	1	20	500	67	68
MECHOSHADOWS #1	1	20	1,080	69	70
MECHOSHADOWS #2	1	20	1,750	71	72
MECHOSHADOWS #3	1	20	1,630	73	74
MECHOSHADOWS #4	1	20	1,630	75	76
RESOURCE STATION REC #1	1	20	1,080	77	78
RESOURCE STATION REC #2	1	20	1,080	79	80
BREAK 1132A COUNTER REC #1	1	20	180	81	82
BREAK 1132A COUNTER REC #2	1	20	180	83	84
BREAK 1132A REC	1	20	540	85	86
SPARE	1	20	180	87	88
SPARE	2	40		89	90
SPARE	1	20		91	92
SPARE	1	20		93	94
SPARE	1	20		95	96
SPARE	1	20		97	98
MECHOSHADOWS 2ND FLOOR EAST	1	20	800	99	100
MECHOSHADOWS 2ND FLOOR WEST	1	20	2,400	101	102
MECHOSHADOWS 3RD FLOOR EAST	1	20	1,600	103	104
MECHOSHADOWS 3RD FLOOR WEST	1	20	2,400	105	106
OUTDOOR TERRACE DOOR	1	20	500	107	108
SPARE	1	20		109	110
SPARE	1	20		111	112
SPARE	1	20		113	114
SPARE	1	20		115	116
SPARE	1	20		117	118
SPARE	1	20		119	120
SPARE	1	20		121	122
SPARE	1	20		123	124
SPARE	1	20		125	126
SPARE	1	20		127	128
SPARE	1	20		129	130
SPARE	1	20		131	132
SPARE	1	20		133	134
SPARE	1	20		135	136
SPARE	1	20		137	138
SPARE	1	20		139	140
SPARE	1	20		141	142
SPARE	1	20		143	144
SUBTOTAL	-	-	43,066	-	-
GFI - GROUND FAULT BREAKER LCK - LOCKABLE TAB					
INCREASE # OF POLES, OR ADD SECTIONS, AS REQUIRED DURING CONSTRUCTION TO MAINTAIN 25% SPARE CIRCUIT BREAKERS.					

Panel Summary	
Total connected load	75,018 va
Total Demand Load	48,138 va
Line to Line Voltage	208 volts
Line to Neutral Voltage	120 volts
Number of Phases	3 phase
Demand Current	133.6 amps

Demand Factors		
Motors	max	all others
	1.25	1.00
Receptacles	0-10kva	>10kva
	1.00	0.50
Lights	1.00	1.00
Heat	1.00	1.00
Cooling	1.00	1.00
Other	1.00	1.00

PANEL NPM		10,000 A (FULLY RATED BREAKERS)		EQUIPMENT GROUND BUS	
MAIN BUS AMPS: 200 A		A/C: SECTIONS:		10,000 A (FULLY RATED BREAKERS)	
MAIN BREAKER: 150 A		MOUNTING: LOCATION:		EQUIPMENT GROUND BUS	
VOLTAGE: 208Y/120 V		MOUNTING: LOCATION:		EQUIPMENT GROUND BUS	
PHASES/WIRES: 3 PH / 4 W		MOUNTING: LOCATION:		EQUIPMENT GROUND BUS	
CIRCUIT DESCRIPTION	POLES	AMPS	LOAD	CKT NO	POLES
GWH-1	1	20	100	1	2
GWH-2	1	20	100	3	4
ELRCU-1	2	25	1,747	5	6
ELRCU-2	2	15	1,165	9	10
SPARE	1	20		13	14
SPARE	1	20		15	16
ITCU-1	2	15	1,165	17	18
ITCU-2	2	25	1,747	21	22
ITCU-3	2	25	1,747	23	24
BAS SYSTEM	1	20	500	29	30
VAV POWER SUPPLIES #1	1	20	500	31	32
VAV POWER SUPPLIES #2	1	20	500	33	34
VAV POWER SUPPLIES #3	1	20	500	35	36
VAV POWER SUPPLIES #4	1	20	500	37	38
SPARE	1	20		39	40
SPARE	1	20		41	42
SPARE	1	20		43	44
SPARE	1	20		45	46
SPARE	1	20		47	48
SPARE	1	20		49	50
SPARE	1	20		51	52
SPARE	1	20		53	54
SPARE	1	20		55	56
SPARE	1	20		57	58
SPARE	1	20		59	60
SUBTOTAL	-	-	17,842	-	-
GFI - GROUND FAULT BREAKER LCK - LOCKABLE TAB					
INCREASE # OF POLES, OR ADD SECTIONS, AS REQUIRED DURING CONSTRUCTION TO MAINTAIN 25% SPARE CIRCUIT BREAKERS.					

PANEL NHL		22,000 A (FULLY RATED BREAKERS)		EQUIPMENT GROUND BUS	
MAIN BUS AMPS: 100 A		A/C: SECTIONS:		22,000 A (FULLY RATED BREAKERS)	
MAIN BREAKER: N/A		MOUNTING: LOCATION:		EQUIPMENT GROUND BUS	
VOLTAGE: 480Y/277 V		MOUNTING: LOCATION:		EQUIPMENT GROUND BUS	
PHASES/WIRES: 3 PH / 4 W		MOUNTING: LOCATION:		EQUIPMENT GROUND BUS	
CIRCUIT DESCRIPTION	POLES	AMPS	LOAD	CKT NO	POLES
STAIRWELL LTG #1	1	20	750	1	2
STAIRWELL LTG #2	1	20	525	3	4
1ST FLOOR CORRIDORS	1	20	984	5	6
1ST FLOOR CORRIDORS - RELAY	1	20	902	7	8
2ND FLOOR CORRIDORS	1	20	908	9	10
2ND FLOOR CORRIDORS - RELAY	1	20	759	11	12
3RD FLOOR CORRIDORS	1	20	908	13	14
3RD FLOOR CORRIDORS - RELAY	1	20	759	15	16
1ST FLOOR LABRAD LTG	1	20	3,003	17	18
1ST FLOOR BON LTG	1	20	1,392	19	20
1ST FLOOR PT PHARM/CAFE LTG	1	20	2,702	21	22
SPARE	1	20		23	24
SPARE	1	20		25	26
SPARE	1	20		27	28
SPARE	1	20		29	30
SUBTOTAL	-	-	13,592	-	-
INCREASE # OF POLES, OR ADD SECTIONS, AS REQUIRED DURING CONSTRUCTION TO MAINTAIN 25% SPARE CIRCUIT BREAKERS.					

PANEL NPD		22,000 A (FULLY RATED BREAKERS)		EQUIPMENT GROUND BUS	
MAIN BUS AMPS: 1,000 A		A/C: SECTIONS:		22,000 A (FULLY RATED BREAKERS)	
MAIN BREAKER: 1,000 A		MOUNTING: LOCATION:		EQUIPMENT GROUND BUS	
VOLTAGE: 208Y/120 V		MOUNTING: LOCATION:		EQUIPMENT GROUND BUS	
PHASES/WIRES: 3 PH / 4 W		MOUNTING: LOCATION:		EQUIPMENT GROUND BUS	
CIRCUIT DESCRIPTION	POLES	AMPS	LOAD	CKT NO	POLES
PANEL NP1	3	300	39,010	1	2
PANEL NP3	3	300	44,220	3	4
PANEL NP2	3	300	36,600	5	6
PANEL NPN	200	3	51,490	7	8
PREPARED SPACE			53,200	9	10
PREPARED SPACE			54,550	11	12
PREPARED SPACE				13	14
PREPARED SPACE				15	16
PREPARED SPACE				17	18
SUBTOTAL	-	-	279,110	-	-

Panel Summary	
Total connected load	28,292 va
Total Demand Load	28,892 va
Line to Line Voltage	208 volts
Line to Neutral Voltage	120 volts
Number of Phases	3 phase
Demand Current	80.2 amps

Demand Factors		
Motors	max	all others
	1.25	1.00
Receptacles	0-10kva	>10kva
	1.00	0.50
Lights	1.00	1.00
Heat	1.00	1.00
Cooling	1.00	1.00
Other	1.00	1.00

Panel Summary	
Total connected load	39,550 va
Total Demand Load	39,550 va
Line to Line Voltage	480 volts
Line to Neutral Voltage	277 volts
Number of Phases	3 phase
Demand Current	47.6 amps

Demand Factors		
Motors	max	all others
	1.25	1.00
Receptacles	0-10kva	>10kva
	1.00	0.50
Lights	1.00	1.00
Heat	1.00	1.00
Cooling	1.00	1.00
Other	1.00	1.00

Panel Summary	
Total connected load	519,198 va
Total Demand Load	277,908 va
Line to Line Voltage	208 volts
Line to Neutral Voltage	120 volts
Number of Phases	3 phase
Demand Current	771.4 amps

Demand Factors		
Motors	max	all others
	1.25	1.00
Receptacles	0-10kva	>10kva
	1.00	0.50
Lights	1.00	1.00
Heat	1.00	1.00
Cooling	1.00	1.00
Other	1.00	1.00

PANEL SWBD		42,000 A (FULLY RATED BREAKERS)		EQUIPMENT GROUND BUS	
MAIN BUS AMPS: 2,000 A		A/C: SECTIONS:		42,000 A (FULLY RATED BREAKERS)	
MAIN BREAKER: N/A		MOUNTING: LOCATION:		EQUIPMENT GROUND BUS	
VOLTAGE: 480Y/277 V		MOUNTING: LOCATION:		EQUIPMENT GROUND BUS	
PHASES/WIRES: 3 PH / 4 W		MOUNTING: LOCATION:		EQUIPMENT GROUND BUS	
CIRCUIT DESCRIPTION	POLES	AMPS	LOAD	CKT NO	POLES
PANEL NHD	3	800	197,153	1	2
PANEL LHD	3	60	4,720	3	4
PREPARED SPACE			216,350	1200	3
PREPARED SPACE			215,798		
PREPARED SPACE			219,739		
SUBTOTAL	-	-	812,620	-	-

PANEL NHM		42,000 A (FULLY RATED BREAKERS)		EQUIPMENT GROUND BUS	
MAIN BUS AMPS: 1,200 A		A/C: SECTIONS:		42,000 A (FULLY RATED BREAKERS)	
MAIN BREAKER: N/A		MOUNTING: LOCATION:		EQUIPMENT GROUND BUS	
VOLTAGE: 480Y/277 V		MOUNTING: LOCATION:		EQUIPMENT GROUND BUS	
PHASES/WIRES: 3 PH / 4 W		MOUNTING: LOCATION:		EQUIPMENT GROUND BUS	
CIRCUIT DESCRIPTION	POLES	AMPS	LOAD	CKT NO	POLES
EF-1	3	15	831	1	2
EF-2	3	15	831	3	4
EF-3	3	15	831	5	6
EF-4	3	15	831	7	8
DWBP-1	3	15	831	9	10

PANEL		NPN		A/C:		SECTIONS:		10,000 A (FULLY RATED BREAKERS)		EQUIPMENT GROUND BUS	
MAIN BUS AMPS:		200 A		A/C:		SECTIONS:		2 - 72 SPACE		SURFACE	
MAIN BREAKER:		N/A		MOUNTING:		LOCATION:					
VOLTAGE:		208Y/120 V									
PHASES/WIRES:		3 PH / 4 W									
CIRCUIT DESCRIPTION		POLES	AMPS	LOAD	CKT NO	CKT NO	LOAD	AMPS	POLES	CIRCUIT DESCRIPTION	
IRRIGATION CONTROLLER		1	20	500	1	2	1,440	20	1	OPEN OFFICE 2117 REC #1	
OPEN OFFICE 3121 REC #1		1	20	900	3	4	900	20	1	OPEN OFFICE 2117 REC #2	
OPEN OFFICE 3121 REC #2		1	20	720	5	6	1,080	20	1	OPEN OFFICE 2117 REC #3	
OPEN OFFICE 3121 REC #3		1	20	900	7	8	180	20	1	OPEN OFFICE 2117 COPIER	
OPEN OFFICE 3121 REC #4		1	20	900	9	10	1,080	20	1	CONFERENCE 2112 REC #1	
KITCHENETTE 3116 COUNTER REC		1	20	360	11	12	720	20	1	CONFERENCE 2112 REC #2	
KITCHENETTE 3116 MICROWAVE		1	20	180	13	14	500	20	1	CONFERENCE 2112 SCREEN	
KITCHENETTE 3116 REC		1	20	180	15	16	1,200	20	1	RESTROOM 2111 DRYER #1	
CONFERENCE 3112 REC #1		1	20	1,080	17	18	1,200	20	1	RESTROOM 2111 DRYER #2	
CONFERENCE 3112 REC #2		1	20	720	19	20	1,200	20	1	RESTROOM 2108 DRYER #1	
CONFERENCE 3112 SCREEN		1	20	500	21	22	1,200	20	1	RESTROOM 2108 DRYER #2	
RESTROOM 3111 DRYER #1		1	20	1,200	23	24	500	20-GFI	1	DRINKING FOUNTAIN 2110	
RESTROOM 3111 DRYER #2		1	20	1,200	25	26	180	20	1	VENDING 2002 REC #1	
RESTROOM 3108 DRYER #1		1	20	1,200	27	28	180	20	1	VENDING 2002 REC #2	
RESTROOM 3108 DRYER #2		1	20	1,200	29	30	180	20	1	VENDING 2002 REC #3	
DRINKING FOUNTAIN 3110		1	20-GFI	500	31	32	900	20	1	LOBBY 2001A REC	
VENDING 3002 REC #1		1	20	180	33	34	360	20	1	KIOSKS 2006A FLOOR BOXES #1	
VENDING 3002 REC #2		1	20	180	35	36	360	20	1	KIOSKS 2006A FLOOR BOXES #2	
LOBBY 3001A REC		1	20	1,080	37	38	360	20	1	KIOSKS 2006A REC	
KIOSKS 3006A FLOOR BOXES #1		1	20	540	39	40	1,080	20	1	CONFERENCE 2105 REC #1	
KIOSKS 3006A FLOOR BOXES #2		1	20	540	41	42	540	20	1	CONFERENCE 2105 REC #2	
KIOSKS 3006A REC		1	20	720	43	44	1,000	20	1	CONFERENCE 2105/2106 SCREENS	
CONFERENCE 3105 REC #1		1	20	1,080	45	46	1,080	20	1	CONFERENCE 2106 REC #1	
CONFERENCE 3105 REC #2		1	20	540	47	48	540	20	1	CONFERENCE 2106 REC #2	
CONFERENCE 3105/106 SCREENS		1	20	1,000	49	50	540	20	1	ROOFTOP REC	
CONFERENCE 3106 REC #1		1	20	1,080	51	52	540	20	1	WAITING 1008 FLOOR BOXES	
CONFERENCE 3106 REC #2		1	20	540	53	54	1,080	20	1	WAITING 1002 REC	
ELEVATOR MACHINE ROOM REC/LTG		1	20	224	55	56	180	20	1	FRONT ENTRANCE FLOOR BOX	
ELEVATOR PIT REC/LTG		1	20	672	57	58	500	20	1	1ST FLOOR MOTORIZED DOORS	
RESTROOM 1128 DRYER #1		1	20	1,200	59	60	20	1	1	SPARE	
RESTROOM 1128 DRYER #2		1	20	1,200	61	62	1,080	20	1	LOBBY 1001A REC	
RESTROOM 1130 DRYER #1		1	20	1,200	63	64	900	20	1	WAITING 1120 REC	
RESTROOM 1130 DRYER #2		1	20	1,200	65	66	1,000	20	1	WAITING 1120 COILING DOOR	
DRINKING FOUNTAIN 1131		1	20-GFI	500	67	68	1,080	20	1	OFFICE 1121/1122 REC	
HAC CLOSET REC		1	20	1,080	69	70	540	20	1	PATIENT RESOURCE EXT REC	
SPARE		1	20	72	71	72	720	20	1	DOCUMENT 1124 REC	
SPARE		1	20	73	73	74	180	20	1	DOCUMENT 1124 COPIER	
TOILET 1129		1	20	1,630	75	76	1,080	20	1	DOCUMENT 1124 COUNTER REC	
RESOURCE STATION REC #1		1	20	1,080	77	78	900	20	1	SPARE	
RESOURCE STATION REC #2		1	20	1,080	79	80	720	20	1	PATIENT RESOURCE SOUTH REC	
BREAK 1132A COUNTER REC #1		1	20	180	81	82	180	20	1	PATIENT RESOURCE WEST REC	
BREAK 1132A COUNTER REC #2		1	20	180	83	84	360	20	1	PATIENT RESOURCE FLOORBOXES	
BREAK 1132A REC		1	20	540	85	86	20	1	1	SPARE	
SPARE		1	20	180	87	88	20	1	1	SPARE	
SPARE		2	40		89	90	20	1	1	SPARE	
SPARE					91	92	60	1	1	SPARE	
SPARE		1	20		93	94	LOCK	1	1	LOCK	
SPARE		1	20		95	96		15	3	CONF 2105/2106 DIVIDING DOOR	
SPARE		1	20		97	98	552				
MECHOSHADOWS 2ND FLOOR EAST		1	20	800	99	100	552				
MECHOSHADOWS 2ND FLOOR WEST		1	20	2,400	101	102	552				
MECHOSHADOWS 3RD FLOOR EAST		1	20	1,600	103	104	552				
MECHOSHADOWS 3RD FLOOR WEST		1	20	2,400	105	106	552				
OUTDOOR TERRACE DOOR		1	20	500	107	108	552				
SPARE		1	20		109	110		20	1	SPARE	
SPARE		1	20		111	112		20	1	SPARE	
SPARE		1	20		113	114		20	1	SPARE	
SPARE		1	20		115	116		20	1	SPARE	
SPARE		1	20		117	118		20	1	SPARE	
SPARE		1	20		119	120		20	1	SPARE	
SPARE		1	20		121	122		20	1	SPARE	
SPARE		1	20		123	124		20	1	SPARE	
SPARE		1	20		125	126		20	1	SPARE	
SPARE		1	20		127	128		20	1	SPARE	
SPARE		1	20		129	130		20	1	SPARE	
SPARE		1	20		131	132		20	1	SPARE	
SPARE		1	20		133	134		20	1	SPARE	
SPARE		1	20		135	136		20	1	SPARE	
SPARE		1	20		137	138		20	1	SPARE	
SPARE		1	20		139	140		20	1	SPARE	
SPARE		1	20		141	142		20	1	SPARE	
SPARE		1	20		143	144		20	1	SPARE	
SUBTOTAL		-	-	39,566	-	-	32,852	-	-	SUBTOTAL	
GFI - GROUND FAULT BREAKER											
LCK - LOCKABLE TAB											
INCREASE # OF POLES, OR ADD SECTIONS, AS REQUIRED DURING CONSTRUCTION TO MAINTAIN 25% SPARE CIRCUIT BREAKERS.											

Panel Summary	
Total connected load	72,418 va
Total Demand Load	46,838 va
Line to Line Voltage	208 volts
Line to Neutral Voltage	120 volts
Number of Phases	3 phase
Demand Current	130.0 amps

Demand Factors		
Motors	max	all others
	1.25	1.00
Receptacles	0-10kva	>10kva
	1.00	0.50
Lights		1.00
Heat		1.00
Cooling		1.00
Other		1.00

PANEL		NPM		A/C:		SECTIONS:		10,000 A (FULLY RATED BREAKERS)		EQUIPMENT GROUND BUS	
MAIN BUS AMPS:		200 A		A/C:		SECTIONS:		1 - 60 SPACE			
MAIN BREAKER:		150 A		MOUNTING:		LOCATION:		SURFACE			
VOLTAGE:		208Y/120 V									
PHASES/WIRES:		3 PH / 4 W									
CIRCUIT DESCRIPTION		POLES	AMPS	LOAD	CKT NO	CKT NO	LOAD	AMPS	POLES	CIRCUIT DESCRIPTION	
GWH-1		1	20	100	1	2		20	1	SPARE	
GWH-2		1	20	100	3	4		20	1	SPARE	
ELRCU-1		2	25	1,747	5	6		20	1	SPARE	
ELRCU-2		2	15	1,747	7	8		20	1	SPARE	
				1,165	9	10	1,498	20	2	ERCU-3	
SPARE		1	20	1,165	11	12	1,498				
				1,165	13	14			20	1	SPARE
SPARE		1	20	15	16			20	1	SPARE	
ITCU-1		2	15	1,165	17	18	1,176	20	1	EF-5	
ITCU-2		2	25	1,165	19	20	1,176	20	1	EF-6	
				1,747	21	22	15	1	SPARE		
ITCU-3		2	25	1,747	23	24	1,200	20	1	B-1	
				1,747	25	26	1,200	20	1	B-2	
				1,747	27	28	1,176	20	1	HWRP-1	
BAS SYSTEM		1	20	500	29	30	1,176	20	1	HWRP-2	
VAV POWER SUPPLIES #1		1	20	500	31	32	360	20	1	SOLAR WATER HEATING SYSTEM	
VAV POWER SUPPLIES #2		1	20	500	33	34		20	1	SPARE	
VAV POWER SUPPLIES #3		1	20	500	35	36		20	1	SPARE	
VAV POWER SUPPLIES #4		1	20	500	37	38		20	1	SPARE	
SPARE		1	20	39	40			20	1	SPARE	
SPARE		1	20	41	42			20	1	SPARE	
SPARE		1	20	43	44			20	1	SPARE	
SPARE		1	20	45	46			20	1	SPARE	
SPARE		1	20	47	48			20	1	SPARE	
SPARE		1	20	49	50			20	1	SPARE	
SPARE		1	20	51	52			20	1	SPARE	
SPARE		1	20	53	54			20	1	SPARE	
SPARE		1	20	55	56			20	1	SPARE	
SPARE		1	20	57	58			20	1	SPARE	
SPARE		1	20	59	60			20	1	SPARE	
SUBTOTAL		-	-	17,842	-	-	10,450	-	-	SUBTOTAL	
GFI - GROUND FAULT BREAKER LCI - LOCKABLE TAB											
INCREASE # OF POLES OR ADD SECTIONS, AS REQUIRED DURING CONSTRUCTION TO MAINTAIN 25% SPARE CIRCUIT BREAKERS											

PANEL NPN		10,000 A (FULLY RATED BREAKERS)		EQUIPMENT GROUND BUS	
MAIN BUS AMPS: 200 A		A/C: SECTIONS:		1- 72 SPACE	
MAIN BREAKER: N/A		MOUNTING: LOCATION:		SURFACE	
VOLTAGE: 208Y/120 V		PHASES/WIRES: 3 PH / 4 W			
CIRCUIT DESCRIPTION	POLES	AMPS	LOAD	CKT NO	CIRCUIT DESCRIPTION
IRRIGATION CONTROLLER	1	20	500	1	2
OPEN OFFICE 3121 REC #1	1	20	360	3	4
OPEN OFFICE 3121 REC #2	1	20	720	5	6
OPEN OFFICE 3121 REC #3	1	20	900	7	8
OPEN OFFICE 3121 REC #4	1	20	900	9	10
KITCHENETTE 3116 MICROWAVE	1	20	360	11	12
CONFERENCE 3112 REC #2	1	20	180	13	14
CONFERENCE 3112 REC #1	1	20	180	15	16
CONFERENCE 3112 REC #2	1	20	1,080	17	18
CONFERENCE 3112 REC #2	1	20	720	19	20
CONFERENCE 3112 SCREEN	1	20	500	21	22
RESTROOM 3111 DRYER #1	1	20	1,200	23	24
RESTROOM 3111 DRYER #2	1	20	1,200	25	26
RESTROOM 3108 DRYER #1	1	20	1,200	27	28
RESTROOM 3108 DRYER #2	1	20	1,200	29	30
DRINKING FOUNTAIN 3110	1	20	500	31	32
VENDING 3002 REC #1	1	20	180	33	34
VENDING 3002 REC #2	1	20	180	35	36
LOBBY 3001A REC	1	20	1,080	37	38
KIOSKS 3006A FLOOR BOXES #1	1	20	540	39	40
KIOSKS 3006A FLOOR BOXES #2	1	20	540	41	42
KIOSKS 3006A REC	1	20	720	43	44
CONFERENCE 3105 REC #1	1	20	1,080	45	46
CONFERENCE 3105 REC #2	1	20	540	47	48
CONFERENCE 3105/108 SCREENS	1	20	1,000	49	50
CONFERENCE 3106 REC #1	1	20	1,080	51	52
CONFERENCE 3106 REC #2	1	20	540	53	54
ELEVATOR MACHINE ROOM REC/LTG	1	20	224	55	56
ELEVATOR PIT REC/LTG	1	20	672	57	58
RESTROOM 1128 DRYER #1	1	20	1,200	59	60
RESTROOM 1128 DRYER #2	1	20	1,200	61	62
RESTROOM 1130 DRYER #1	1	20	1,200	63	64
RESTROOM 1130 DRYER #2	1	20	1,200	65	66
DRINKING FOUNTAIN 1131	1	20	500	67	68
HAC CLOSET REC	1	20	1,080	69	70
KITCHEN 1138 DISHWASHER	1	20	180	81	82
KITCHEN 1138 REFRIGERATOR	1	20	180	83	84
KITCHEN 1138 COUNTER REC #1	1	20	360	85	86
KITCHEN 1138 COUNTER REC #2	1	20	180	87	88
SPARE	2	40		89	90
SPARE	1	20		91	92
SPARE	1	20		93	94
SPARE	1	20		95	96
MECHOSHADOWS 2ND FLOOR EAST	1	20	800	99	100
MECHOSHADOWS 2ND FLOOR WEST	1	20	2,400	101	102
MECHOSHADOWS 3RD FLOOR EAST	1	20	1,600	103	104
MECHOSHADOWS 3RD FLOOR WEST	1	20	2,400	105	106
OUTDOOR TERRACE DOOR	1	20	500	107	108
SPARE	1	20		109	110
SPARE	1	20		111	112
SPARE	1	20		113	114
SPARE	1	20		115	116
SPARE	1	20		117	118
SPARE	1	20		119	120
SPARE	1	20		121	122
SPARE	1	20		123	124
SPARE	1	20		125	126
SPARE	1	20		127	128
SPARE	1	20		129	130
SPARE	1	20		131	132
SPARE	1	20		133	134
SPARE	1	20		135	136
SPARE	1	20		137	138
SPARE	1	20		139	140
SPARE	1	20		141	142
SPARE	1	20		143	144
SUBTOTAL	-	-	39,756	-	47,852
GFI - GROUND FAULT BREAKER LCK - LOCKABLE TAB					
INCREASE # OF POLES, OR ADD SECTIONS, AS REQUIRED DURING CONSTRUCTION TO MAINTAIN 25% SPARE CIRCUIT BREAKERS.					

Panel Summary	
Total connected load	87,608 va
Total Demand Load	54,548 va
Line to Line Voltage	208 volts
Line to Neutral Voltage	120 volts
Number of Phases	3 phase
Demand Current	151.4 amps

Demand Factors		
Motors	max	all others
	1.25	1.00
Receptacles	0-10kva	>10kva
	1.00	0.50
Heat		1.00
Cooling		1.00
Other		1.00

PANEL NPM		10,000 A (FULLY RATED BREAKERS)		EQUIPMENT GROUND BUS	
MAIN BUS AMPS: 200 A		A/C: SECTIONS:		1- 60 SPACE	
MAIN BREAKER: 150 A		MOUNTING: LOCATION:		SURFACE	
VOLTAGE: 208Y/120 V		PHASES/WIRES: 3 PH / 4 W			
CIRCUIT DESCRIPTION	POLES	AMPS	LOAD	CKT NO	CIRCUIT DESCRIPTION
QWH-1	1	20	100	7	2
QWH-2	1	20	100	3	4
ELRCU-1	2	25	1,747	5	6
ELRCU-2	2	15	1,165	9	10
SPARE	1	20		13	14
ITCU-1	2	15	1,165	17	18
ITCU-2	2	25	1,747	21	22
ITCU-3	2	25	1,747	25	26
BAS SYSTEM	1	20	500	29	30
VAV POWER SUPPLIES #1	1	20	500	31	32
VAV POWER SUPPLIES #2	1	20	500	33	34
VAV POWER SUPPLIES #3	1	20	500	35	36
VAV POWER SUPPLIES #4	1	20	500	37	38
SPARE	1	20		39	40
SPARE	1	20		41	42
SPARE	1	20		43	44
SPARE	1	20		45	46
SPARE	1	20		47	48
SPARE	1	20		49	50
SPARE	1	20		51	52
SPARE	1	20		53	54
SPARE	1	20		55	56
SPARE	1	20		57	58
SPARE	1	20		59	60
SUBTOTAL	-	-	17,842	-	10,978
GFI - GROUND FAULT BREAKER LCK - LOCKABLE TAB					
INCREASE # OF POLES, OR ADD SECTIONS, AS REQUIRED DURING CONSTRUCTION TO MAINTAIN 25% SPARE CIRCUIT BREAKERS.					

PANEL NHL		22,000 A (FULLY RATED BREAKERS)		EQUIPMENT GROUND BUS	
MAIN BUS AMPS: 100 A		A/C: SECTIONS:		1- 30 SPACE	
MAIN BREAKER: N/A		MOUNTING: LOCATION:		SURFACE	
VOLTAGE: 480Y/277 V		PHASES/WIRES: 3 PH / 4 W			
CIRCUIT DESCRIPTION	POLES	AMPS	LOAD	CKT NO	CIRCUIT DESCRIPTION
STAIRWELL LTG #1	1	20	750	1	2
STAIRWELL LTG #2	1	20	525	3	4
1ST FLOOR CORRIDORS	1	20	984	5	6
1ST FLOOR CORRIDORS - RELAY	1	20	902	7	8
2ND FLOOR CORRIDORS	1	20	908	9	10
2ND FLOOR CORRIDORS - RELAY	1	20	759	11	12
3RD FLOOR CORRIDORS	1	20	906	13	14
3RD FLOOR CORRIDORS - RELAY	1	20	759	15	16
1ST FLOOR LABRAD LTG	1	20	3,003	17	18
1ST FLOOR BOH LTG	1	20	1,392	19	20
1ST FLOOR PT PHARMACE LTG	1	20	2,702	21	22
SPARE	1	20		23	24
SPARE	1	20		25	26
SPARE	1	20		27	28
SPARE	1	20		29	30
SUBTOTAL	-	-	13,592	-	25,958
INCREASE # OF POLES, OR ADD SECTIONS, AS REQUIRED DURING CONSTRUCTION TO MAINTAIN 25% SPARE CIRCUIT BREAKERS.					

PANEL NPD		22,000 A (FULLY RATED BREAKERS)		EQUIPMENT GROUND BUS	
MAIN BUS AMPS: 1,000 A		A/C: SECTIONS:		1- 18 SPACE	
MAIN BREAKER: 1,000 A		MOUNTING: LOCATION:		SURFACE	
VOLTAGE: 208Y/120 V		PHASES/WIRES: 3 PH / 4 W			
CIRCUIT DESCRIPTION	POLES	AMPS	LOAD	CKT NO	CIRCUIT DESCRIPTION
PANEL NP1	3	300	38,150	1	2
PANEL NP3	3	300	44,040	3	4
PREPARED SPACE			36,600	5	6
PREPARED SPACE			51,490	7	8
PREPARED SPACE			53,200	9	10
PREPARED SPACE			54,550	11	12
SUBTOTAL	-	-	278,070	-	252,678

Panel Summary	
Total connected load	28,820 va
Total Demand Load	29,420 va
Line to Line Voltage	208 volts
Line to Neutral Voltage	120 volts
Number of Phases	3 phase
Demand Current	81.7 amps

Demand Factors		
Motors	max	all others
	1.25	1.00
Receptacles	0-10kva	>10kva
	1.00	0.50
Lights		1.00
Heat		1.00
Cooling		1.00
Other		1.00

Panel Summary	
Total connected load	39,550 va
Total Demand Load	39,550 va
Line to Line Voltage	480 volts
Line to Neutral Voltage	277 volts
Number of Phases	3 phase
Demand Current	47.6 amps

Demand Factors		
Motors	max	all others
	1.25	1.00
Receptacles	0-10kva	>10kva
	1.00	0.50
Lights		1.00
Heat		1.00
Cooling		1.00
Other		1.00

Panel Summary	
Total connected load	530,748 va
Total Demand Load	283,808 va
Line to Line Voltage	208 volts
Line to Neutral Voltage	120 volts
Number of Phases	3 phase
Demand Current	787.8 amps

Demand Factors		
Motors	max	all others
	1.25	1.00
Receptacles	0-10kva	>10kva
	1.00	0.50
Lights		1.00
Heat		1.00
Cooling		1.00
Other		1.00

PANEL SWBD		42,000 A (FULLY RATED BREAKERS)		EQUIPMENT GROUND BUS	
MAIN BUS AMPS: 2,000 A		A/C: SECTIONS:		1- 24 SPACE	
MAIN BREAKER: N/A		MOUNTING: LOCATION:		SURFACE	
VOLTAGE: 480Y/277 V		PHASES/WIRES: 3 PH / 4 W			
CIRCUIT DESCRIPTION	POLES	AMPS	LOAD	CKT NO	CIRCUIT DESCRIPTION
PANEL NHD	3	800	199,963	1	2
PANEL LHD	3	60	4,720	3	4
PREPARED SPACE			400		
PREPARED SPACE			100		
SUBTOTAL	-	-	804,170	-	942,888

PANEL NHM		42,000 A (FULLY RATED BREAKERS)		EQUIPMENT GROUND BUS						
MAIN BUS AMPS: 1,200 A		A/C: SECTIONS:		1- 72 SPACE						
MAIN BREAKER: N/A		MOUNTING: LOCATION:		SURFACE						
VOLTAGE: 480Y/277 V		PHASES/WIRES: 3 PH / 4 W								
CIRCUIT DESCRIPTION		POLES	AMPS	LOAD	CKT NO	LOAD	AMPS	POLES	CIRCUIT DESCRIPTION	
EF-1		3	15	831	1	2	8,485	70	3	TRANSFORMER T-NPM
				831	3	4	8,461			
				831	5	6	11,674			
EF-2		3	15	831	7	8	831	15	3	IEF-1
				831	9	10	831			
				831	11	12	831			
EF-3		3	15	1,330	13	14	831	15	3	IEF-2
				1,330	15	16	831			
				1,330	17	18	831			
EF-4		3	15	582	19	20	798	15	3	TCER-AC-1
				582	21	22	798			
				582	23	24	798			
DWPB-1		3	15	9,141	25	26	3,922	25	3	TCER-CU-1
				9,141	27	28	3,922			
				9,141	29	30	3,922			
BP-1		3	15	831	31	32	2,102	20	3	HWP-1
				831	33	34	2,102			
				831	35	36	2,102			
BP-2		3	15	831	37	38	2,102	20	3	HWP-2
				831	39	40	2,102			
				831	41	42	2,102			
RTU-1		3	125	28,226	43	44	45,262	225	3	RTU-2
				28,226	45	46	45,262			
				28,226	47	48	45,262			
RTU-3		3	250	54,707	49	50	54,707	250	3	RTU-4
				54,707	51	52	54,707			
				54,707	53	54	54,707			
SPARE		3	20	55	55	56		20	3	SPARE
				57	57	58				
				59	59	60				
SPARE		3	15	61	61	62		15	3	SPARE
				63	63	64				
				65	65	66				
SPARE		3	15	67	67	68		15	3	SPARE
				69	69	70				
				71	71	72				
SUBTOTAL				261,030		360,485			SUBTOTAL	

PANEL		NPN		A/C:		SECTIONS:		10,000 A (FULLY RATED BREAKERS)		EQUIPMENT GROUND BUS		
MAIN BUS AMPS:		200 A		A/C:		SECTIONS:		10,000 A (FULLY RATED BREAKERS)		EQUIPMENT GROUND BUS		
MAIN BREAKER:		N/A		MOUNTING:		LOCATION:		2 - 72 SPACE		SURFACE		
VOLTAGE:		208Y/120 V		PHASES/WIRES:		3 PH / 4 W						
CIRCUIT DESCRIPTION		POLES	AMPS	LOAD	CKT NO	CKT NO	LOAD	AMPS	POLES	CIRCUIT DESCRIPTION		
IRRIGATION CONTROLLER		1	20	500	1	2	1,080	20	1	OPEN OFFICE 2117 REC #1		
OPEN OFFICE 3121 REC #1		1	20	900	3	4	900	20	1	OPEN OFFICE 2117 REC #2		
OPEN OFFICE 3121 REC #2		1	20	720	5	6	1,080	20	1	OPEN OFFICE 2117 REC #3		
OPEN OFFICE 3121 REC #3		1	20	900	7	8	180	20	1	OPEN OFFICE 2117 COPIER		
OPEN OFFICE 3121 REC #4		1	20	900	9	10	1,080	20	1	CONFERENCE 2112 REC #1		
KITCHENETTE 3116 COUNTER REC		1	20	360	11	12	720	20	1	CONFERENCE 2112 REC #2		
KITCHENETTE 3116 MICROWAVE #1		1	20	180	13	14	500	20	1	CONFERENCE 2112 SCREEN		
KITCHENETTE 3116 MICROWAVE #2		1	20	180	15	16	1,200	20	1	RESTROOM 2111 DRYER #1		
CONFERENCE 3112 REC #1		1	20	1,080	17	18	1,200	20	1	RESTROOM 2111 DRYER #2		
CONFERENCE 3112 REC #2		1	20	720	19	20	1,200	20	1	RESTROOM 2108 DRYER #1		
CONFERENCE 3112 SCREEN		1	20	500	21	22	1,200	20	1	RESTROOM 2108 DRYER #2		
RESTROOM 3111 DRYER #1		1	20	1,200	23	24	500	20-GFI	1	DRINKING FOUNTAIN 2110		
RESTROOM 3111 DRYER #2		1	20	1,200	25	26	180	20	1	VENDING 2002 REC #1		
RESTROOM 3108 DRYER #1		1	20	1,200	27	28	180	20	1	VENDING 2002 REC #2		
RESTROOM 3108 DRYER #2		1	20	1,200	29	30	180	20	1	VENDING 2002 REC #3		
DRINKING FOUNTAIN 3110		1	20-GFI	500	31	32	900	20	1	LOBBY 2001A REC		
VENDING 3002 REC #1		1	20	180	33	34	360	20	1	KIOSKS 2006A FLOOR BOXES #1		
VENDING 3002 REC #2		1	20	180	35	36	360	20	1	KIOSKS 2006A FLOOR BOXES #2		
LOBBY 3001A REC		1	20	1,080	37	38	360	20	1	KIOSKS 2006A REC		
KIOSKS 3006A FLOOR BOXES #1		1	20	360	39	40	1,080	20	1	CONFERENCE 2105 REC #1		
KIOSKS 3006A FLOOR BOXES #2		1	20	540	41	42	540	20	1	CONFERENCE 2105 REC #2		
KIOSKS 3006A REC		1	20	720	43	44	1,000	20	1	CONFERENCE 2105/2106 SCREENS		
CONFERENCE 3105 REC #1		1	20	1,080	45	46	1,080	20	1	CONFERENCE 2106 REC #1		
CONFERENCE 3105 REC #2		1	20	540	47	48	540	20	1	CONFERENCE 2106 REC #2		
CONFERENCE 3105/3106 SCREENS		1	20	1,000	49	50	540	20	1	ROOFTOP REC		
CONFERENCE 3106 REC #1		1	20	1,080	51	52	540	20	1	WAITING 1008 FLOOR BOXES		
CONFERENCE 3106 REC #2		1	20	540	53	54	1,080	20	1	WAITING 1002 REC		
ELEVATOR MACHINE ROOM REC/LTG		1	20	224	55	56	180	20	1	FRONT ENTRANCE FLOOR BOX		
ELEVATOR PIT REC/LTG		1	20	672	57	58	500	20	1	1ST FLOOR MOTORIZED DOORS		
RESTROOM 1128 DRYER #1		1	20	1,200	59	60		20	1	SPARE		
RESTROOM 1128 DRYER #2		1	20	1,200	61	62	1,080	20	1	LOBBY 1001A REC		
RESTROOM 1130 DRYER #1		1	20	1,200	63	64	900	20	1	WAITING 1120 REC		
RESTROOM 1130 DRYER #2		1	20	1,200	65	66	1,000	20	1	WAITING 1120 COILING DOOR		
DRINKING FOUNTAIN 1131		1	20-GFI	500	67	68	1,080	20	1	OFFICE 1121 / 1127 REC		
HAC CLOSET REC		1	20	1,080	69	70	540	20	1	ADULT HEALTH EXT REC		
SPARE		1	20		71	72	720	20	1	DOCUMENT 1124 REC		
SPARE		1	20		73	74	180	20	1	DOCUMENT 1124 COPIER		
TOILET 1129		1	20	1,630	75	76	1,080	20	1	DOCUMENT 1124 COUNTER REC		
TOILET 1134		1	20	1,630	77	78	900	20	1	CONSULT 1132 REC		
WORK 1139 REC		1	20	1,080	79	80	720	20	1	ADULT HEALTH REC		
KITCHEN 1138 DISHWASHER		1	20	180	81	82	180	20	1	ADULT HEALTH COPIER		
KITCHEN 1138 REFRIGERATOR		1	20	180	83	84	360	20	1	ADULT HEALTH COUNTER REC		
KITCHEN 1138 COUNTER REC #1		1	20	360	85	86		20	1	SPARE		
KITCHEN 1138 COUNTER REC #2		1	20	180	87	88		20	1	SPARE		
SPARE		2	40		89	90		20	1	SPARE		
SPARE					91	92	5,000	60	3	KITCHEN 1138 ELECTRIC RANGE		
SPARE		1	20		93	94	5,000	LOCK				
SPARE		1	20		95	96	5,000		15	3	CONF 2105/2106 DIVIDING DOOR	
SPARE		1	20		97	98	552					
MECHOSHADOWS 2ND FLOOR EAST		1	20	800	99	100	552					
MECHOSHADOWS 2ND FLOOR WEST		1	20	2,400	101	102	552					
MECHOSHADOWS 3RD FLOOR EAST		1	20	1,600	103	104	552		15	3	CONF 3105/3108 DIVIDING DOOR	
MECHOSHADOWS 3RD FLOOR WEST		1	20	2,400	105	106	552					
OUTDOOR TERRACE DOOR		1	20	500	107	108	552					
SPARE		1	20		109	110		20	1	SPARE		
SPARE		1	20		111	112		20	1	SPARE		
SPARE		1	20		113	114		20	1	SPARE		
SPARE		1	20		115	116		20	1	SPARE		
SPARE		1	20		117	118		20	1	SPARE		
SPARE		1	20		119	120		20	1	SPARE		
SPARE		1	20		121	122		20	1	SPARE		
SPARE		1	20		123	124		20	1	SPARE		
SPARE		1	20		125	126		20	1	SPARE		
SPARE		1	20		127	128		20	1	SPARE		
SPARE		1	20		129	130		20	1	SPARE		
SPARE		1	20		131	132		20	1	SPARE		
SPARE		1	20		133	134		20	1	SPARE		
SPARE		1	20		135	136		20	1	SPARE		
SPARE		1	20		137	138		20	1	SPARE		
SPARE		1	20		139	140		20	1	SPARE		
SPARE		1	20		141	142		20	1	SPARE		
SPARE		1	20		143	144		20	1	SPARE		
SUBTOTAL		-	-	39,756	-	-	47,492	-	-	SUBTOTAL		
GFI - GROUND FAULT BREAKER LCK - LOCKABLE TAB												
INCREASE # OF POLES, OR ADD SECTIONS, AS REQUIRED DURING CONSTRUCTION TO MAINTAIN 25% SPARE CIRCUIT BREAKERS.												

Panel Summary	
Total connected load	87,348 va
Total Demand Load	54,368 va
Line to Line Voltage	208 volts
Line to Neutral Voltage	120 volts
Number of Phases	3 phase
Demand Current	150.9 amps

Demand Factors		
Motors	max	all others
	1.25	1.00
Receptacles	0-10kva	>10kva
	1.00	0.50
Heat		1.00
Cooling		1.00
Other		1.00

PANEL		NPM		A/C:		SECTIONS:		10,000 A (FULLY RATED BREAKERS)		EQUIPMENT GROUND BUS	
MAIN BUS AMPS:		200 A		A/C:		SECTIONS:		10,000 A (FULLY RATED BREAKERS)		EQUIPMENT GROUND BUS	
MAIN BREAKER:		150 A		MOUNTING:		LOCATION:		1- 60 SPACE		SURFACE	
VOLTAGE:		208Y/120 V		PHASES/WIRES:		3 PH / 4 W					
CIRCUIT DESCRIPTION		POLES	AMPS	LOAD	CKT NO	CKT NO	LOAD	AMPS	POLES	CIRCUIT DESCRIPTION	
GWH-1		1	20	100	1	2		20	1	SPARE	
GWH-2		1	20	100	3	4		20	1	SPARE	
ELRCU-1		2	25	1,747	5	6		20	1	SPARE	
ELRCU-2		2	15	1,747	7	8		20	1	SPARE	
				1,165	9	10	1,498	20	2	ERCU-3	
SPARE		1	20	1,165	11	12	1,498				
				1,165	13	14			20	1	SPARE
SPARE		1	20	15	16			20	1	SPARE	
ITCU-1		2	15	1,165	17	18	1,176	20	1	EF-5	
ITCU-2		2	25	1,165	19	20	1,176	20	1	EF-6	
				1,747	21	22	528	15	1	EF-7	
ITCU-3		2	25	1,747	23	24	1,200	20	1	B-1	
				1,747	25	26	1,200	20	1	B-2	
				1,747	27	28	1,176	20	1	HWRP-1	
BAS SYSTEM		1	20	500	29	30	1,176	20	1	HWRP-2	
VAV POWER SUPPLIES #1		1	20	500	31	32	360	20	1	SOLAR WATER HEATING SYSTEM	
VAV POWER SUPPLIES #2		1	20	500	33	34		20	1	SPARE	
VAV POWER SUPPLIES #3		1	20	500	35	36		20	1	SPARE	
VAV POWER SUPPLIES #4		1	20	500	37	38		20	1	SPARE	
SPARE		1	20	39	40			20	1	SPARE	
SPARE		1	20	41	42			20	1	SPARE	
SPARE		1	20	43	44			20	1	SPARE	
SPARE		1	20	45	46			20	1	SPARE	
SPARE		1	20	47	48			20	1	SPARE	
SPARE		1	20	49	50			20	1	SPARE	
SPARE		1	20	51	52			20	1	SPARE	
SPARE		1	20	53	54			20	1	SPARE	
SPARE		1	20	55	56			20	1	SPARE	
SPARE		1	20	57	58			20	1	SPARE	
SPARE		1	20	59	60			20	1	SPARE	
SUBTOTAL		-	-	17,842	-	-	10,978	-	-	SUBTOTAL	
GFI- GROUND FAULT BREAKER											
LCK- LOCKABLE TAB											
INCREASE +6% OF POLES OR ADD SECTIONS, AS REQUIRED DURING CONSTRUCTION TO MAINTAIN 25% SPARE CIRCUIT BREAKERS											