

Appendix A

The panel schedules below include demand load calculations imbedded in each schedule. Green columns refer to VA loads for even numbered circuits while yellow columns refer to VA loads for odd numbered circuits. Please refer to the excel file 'Panel Schedule.xls' for further details.

Panel Schedule																
Panel: ME1L-N																
Voltage: 480Y/277				Mains: MLO		Loads (VA)							Loc: 2ND FL ELEC RM		AIC: 25K	
Amps: 100		Wires: 4		Phase: 3									Mounting: SURFACE			
Branch Circuit	Amp	P	Description	Cir	Ltg	Recept	Motor	Lg Motor	Equip	Cir	Description	P	Amp	Branch Circuit		
3/4" C/4#8+1#10GRD	50	3	PANEL E1L-1N	1	4071	1440	360				4210	2	PANEL E1L-2N	3 50 3/4" C/4#8+1#10GRD		
-	-	-	-	3	1278		3840				1920	4	-	-		
-	-	-	-	5	1272		3840				2580	6	-	-		
3/4" C/4#8+1#10GRD	50	3	PANEL E1L-3N	7	1675	730	3840				180	8	PANEL E1L-4N	3 50 3/4" C/4#8+1#10GRD		
-	-	-	-	9			3840	3840			180	10	-	-		
-	-	-	-	11	480		3840					12	-	-		
-	-	3	SPACE	13								14	SPACE	3 - -		
-	-	-	-	15								16	-	-		
-	-	-	-	17								18	-	-		
-	-	3	SPACE	19								20	SPACE	3 - -		
-	-	-	-	21								22	-	-		
-	-	-	-	23								24	-	-		
Connected Load Phase A: (A) 59.6					7916		4200		0		0		4390		Demand Load Phase A: (A) 66.7	
Connected Load Phase B: (A) 53.8					1278		11520		0		0		2100		Demand Load Phase B: (A) 52.2	
Connected Load Phase C: (A) 43.4					1752		7680		0		0		2580		Demand Load Phase C: (A) 44.9	
Total VA: 39453																
Load: (A) 47.5																
25% Growth: (A) 59.3																

Panel Schedule																		
Panel: E1L-1N																		
Voltage: 480Y/277		Mains: MLO		Loads (VA)									Loc: 1ST FL ELEC RM		AIC: 14K			
Amps: 50		Wires: 4		Phase: 3											Mounting: SURFACE			
Branch Circuit	Amp	P	Description	Cir	Ltg	Recept	Motor	Lg Motor	Equip	Cir	Description	P	Amp	Branch Circuit				
3/4" C/3#10+1#10GRD	30	3	XFMR T-5	1	1250	1576	360				1440	2	20	3/4" C/2#12+1#12GRD				
-	-	-	-	3		963					1920	4	20	3/4" C/2#12+1#12GRD				
-	-	-	-	5		1272					2580	6	20	3/4" C/2#12+1#12GRD				
3/4" C/2#12+1#12GRD	20	1	LTG: MAIN LOBBY	7	1245					2770	8	20	20	3/4" C/2#12+1#12GRD				
3/4" C/2#12+1#12GRD	20	1	LTG: GRND FL CORRIDOR	9	315							10	20	-				
-	20	1	SPARE	11								12	20	-				
-	20	1	SPARE	13								14	20	-				
-	-	1	SPACE	15								16	-	-				
-	-	1	SPACE	17								18	-	-				
Connected Load Phase A: (A)			31.2	4071		360	0	0	4210	Demand Load Phase A: (A)			34.9					
Connected Load Phase B: (A)			11.5	1278		0	0	0	1920	Demand Load Phase B: (A)			12.7					
Connected Load Phase C: (A)			13.9	1272		0	0	0	2580	Demand Load Phase C: (A)			15.1					
Total VA:		17346																
Load: (A)		20.9																
25% Growth: (A)		26.1																

Panel Schedule																		
Panel: E1P-1N																		
Voltage: 208Y/120		Mains: MCB		Loads (VA)									Loc: 1ST FL ELEC RM		AIC: 10K			
Amps: 50		Wires: 4		Phase: 3											Mounting: SURFACE			
Branch Circuit	Amp	P	Description	Cir	Ltg	Recept	Motor	Lg Motor	Equip	Cir	Description	P	Amp	Branch Circuit				
3/4" C/2#12+1#12GRD	20	1	LTG: EXTERIOR CANOPY	1	1250		360					2	20	3/4" C/2#12+1#12GRD				
3/4" C/2#12+1#12GRD	20	1	DOOR HOLD OPENS	3					360	180	4	20	20	3/4" C/2#12+1#12GRD				
3/4" C/2#12+1#12GRD	20	1	DOOR HOLD OPENS	5					180	1200	6	20	20	3/4" C/2#12+1#12GRD				
3/4" C/2#12+1#12GRD	20	1	MED GAS ALARM PANEL	7					240	1200	8	20	20	3/4" C/2#12+1#12GRD				
3/4" C/2#12+1#12GRD	20	1	DOOR HOLD OPENS	9					180	1200	10	20	20	3/4" C/2#12+1#12GRD				
-	20	1	SPARE	11						1200	12	20	20	3/4" C/2#12+1#12GRD				
-	-	1	SPACE	13							14	-	-	-				
-	-	1	SPACE	15							16	-	-	-				
-	-	1	SPACE	17							18	-	-	-				
Connected Load Phase A: (A)			25.4	1250		360	0	0	1440	Demand Load Phase A: (A)			28.0					
Connected Load Phase B: (A)			16.0	0		0	0	0	1920	Demand Load Phase B: (A)			16.0					
Connected Load Phase C: (A)			21.5	0		0	0	0	2580	Demand Load Phase C: (A)			21.5					
Total VA:		7863																
Load: (A)		21.8																
25% Growth: (A)		27.3																

Panel Schedule																	
Panel: E1L-2N																	
Voltage: 480Y/277		Mains: MLO		Loads (VA)								Loc: 2ND FL ELEC RM		AIC: 14K			
Amps: 50		Wires: 4		Phase: 3										Mounting: SURFACE			
Branch Circuit	Amp	P	Description	Cir	Ltg	Recept	Motor	Lg Motor	Equip	Cir	Description	P	Amp	Branch Circuit			
3/4" C/2#12+1#12GRD	20	1	LTG: EGRESS	1	786	654					2	LTG: MECHANICAL RM	1	20	3/4" C/2#12+1#12GRD		
3/4" C/2#12+1#12GRD	20	2	FIREMAN'S OUTLET	3			3840				4	SPARE	1	20	-		
-	-	-	-	5			3840				6	SPARE	1	20	-		
-	20	1	SPARE	7							8	SPARE	1	20	-		
-	20	1	SPARE	9							10	SPARE	1	20	-		
-	20	1	SPARE	11							12	SPARE	1	20	-		
-	-	1	SPACE	13							14	SPACE	1	-	-		
-	-	1	SPACE	15							16	SPACE	1	-	-		
-	-	1	SPACE	17							18	SPACE	1	-	-		
Connected Load Phase A: (A)		5.2		1440		0		0		0		Demand Load Phase A: (A)		6.5			
Connected Load Phase B: (A)		13.9		0		3840		0		0		Demand Load Phase B: (A)		13.9			
Connected Load Phase C: (A)		13.9		0		3840		0		0		Demand Load Phase C: (A)		13.9			
Total VA:		9480															
Load: (A)		11.4															
25% Growth: (A)		14.3															

Panel Schedule																	
Panel: E1L-3N																	
Voltage: 480Y/277		Mains: MLO		Loads (VA)								Loc: 3RD FL ELEC RM		AIC: 14K			
Amps: 50		Wires: 4		Phase: 3										Mounting: SURFACE			
Branch Circuit	Amp	P	Description	Cir	Ltg	Recept	Motor	Lg Motor	Equip	Cir	Description	P	Amp	Branch Circuit			
3/4" C/3#10+1#10GRD	30	3	XFMR T-7	1	480	1195				180	2	LTG: TRIAGE, PDC RMS	1	20	3/4" C/2#12+1#12GRD		
-	-	-	-	3			3840			180	4	FIREMAN'S OUTLET	2	20	3/4" C/2#12+1#12GRD		
-	-	-	-	5	480		3840				6	-	-	-	-		
-	20	1	SPARE	7							8	SPARE	1	20	-		
-	20	1	SPARE	9							10	SPARE	1	20	-		
-	20	1	SPARE	11							12	SPARE	1	20	-		
-	-	1	SPACE	13							14	SPACE	1	-	-		
-	-	1	SPACE	15							16	SPACE	1	-	-		
-	-	1	SPACE	17							18	SPACE	1	-	-		
Connected Load Phase A: (A)		6.7		1675		0		0		180		Demand Load Phase A: (A)		8.2			
Connected Load Phase B: (A)		14.5		0		3840		0		180		Demand Load Phase B: (A)		14.5			
Connected Load Phase C: (A)		15.6		480		3840		0		0		Demand Load Phase C: (A)		16.0			
Total VA:		10734															
Load: (A)		12.9															
25% Growth: (A)		16.1															

Panel Schedule

Panel: E1P-3N

Voltage: 208Y/120		Mains: MCB		Loads (VA)							Loc: 3RD FL ELEC RM		AIC: 10K				
Amps: 50		Wires: 4		Phase: 3									Mounting: SURFACE				
Branch Circuit	Amp	P	Description	Cir	Ltg	Recept	Motor	Lg Motor	Equip	Cir	Description	P	Amp	Branch Circuit			
3/4" C/2#12+1#12GRD	20	1	DOOR HOLD OPENS	1						180	2	SPARE	1	20	-		
3/4" C/2#12+1#12GRD	20	1	DOOR HOLD OPENS: 4TH	3						180	4	SPARE	1	20	-		
3/4" C/2#12+1#12GRD	20	1	LTG: ELEV CAB	5	480						6	SPARE	1	20	-		
3/4" C/2#12+1#12GRD	20	1	LTG: ELEV CAB	7	480						8	SPARE	1	20	-		
-	20	1	SPARE	9							10	SPARE	1	20	-		
-	20	1	SPARE	11							12	SPARE	1	20	-		
-	-	1	SPACE	13							14	SPACE	1	-	-		
-	-	1	SPACE	15							16	SPACE	1	-	-		
-	-	1	SPACE	17							18	SPACE	1	-	-		
Connected Load Phase A: (A)		5.5		480		0		0		180		Demand Load Phase A: (A)		6.5			
Connected Load Phase B: (A)		1.5		0		0		0		180		Demand Load Phase B: (A)		1.5			
Connected Load Phase C: (A)		4.0		480		0		0		0		Demand Load Phase C: (A)		5.0			
Total VA:		1560															
Load: (A)		4.3															
25% Growth: (A)		5.4															

Panel Schedule

Panel: E1L-4N

Voltage: 480Y/277		Mains: MLO		Loads (VA)							Loc: 4TH FL ELEC RM		AIC: 14K				
Amps: 50		Wires: 4		Phase: 3									Mounting: SURFACE				
Branch Circuit	Amp	P	Description	Cir	Ltg	Recept	Motor	Lg Motor	Equip	Cir	Description	P	Amp	Branch Circuit			
3/4" C/2#12+1#12GRD	20	1	LTG: LOBBY, SHELL SPACE	1	730	3840					2	FIREMAN'S OUTLET	2	20	3/4" C/2#12+1#12GRD		
-	20	1	SPARE	3		3840					4	-	-	-	-		
-	20	1	SPARE	5							6	SPARE	1	20	-		
-	20	1	SPARE	7							8	SPARE	1	20	-		
-	20	1	SPARE	9							10	SPARE	1	20	-		
-	20	1	SPARE	11							12	SPARE	1	20	-		
-	-	1	SPACE	13							14	SPACE	1	-	-		
-	-	1	SPACE	15							16	SPACE	1	-	-		
-	-	1	SPACE	17							18	SPACE	1	-	-		
Connected Load Phase A: (A)		16.5		730		3840		0		0		Demand Load Phase A: (A)		17.2			
Connected Load Phase B: (A)		13.9		0		3840		0		0		Demand Load Phase B: (A)		13.9			
Connected Load Phase C: (A)		0.0		0		0		0		0		Demand Load Phase C: (A)		0.0			
Total VA:		8593															
Load: (A)		10.3															
25% Growth: (A)		12.9															

Panel Schedule																	
Panel: E2L-2N																	
Voltage: 480Y/277		Mains: MLO		Loads (VA)								Loc: 2ND FL ELEC RM		AIC: 14K			
Amps: 50		Wires: 4		Phase: 3										Mounting: SURFACE			
Branch Circuit	Amp	P	Description	Cir	Ltg	Recept	Motor	Lg Motor	Equip	Cir	Description	P	Amp	Branch Circuit			
3/4" C/3#10+1#10GRD	30	3	XFMR T-6	1	1080	2378	2340				1080	2	LTG: EXAM RMS, RM 208, 2	1	20	3/4" C/2#12+1#12GRD	
-	-	-	-	3		1080					2640	4	SPARE	1	20	-	
-	-	-	-	5		1440					720	6	SPARE	1	20	-	
-	20	1	SPARE	7								8	SPARE	1	20	-	
-	20	1	SPARE	9								10	SPARE	1	20	-	
-	20	1	SPARE	11								12	SPARE	1	20	-	
-	20	1	SPARE	13								14	SPARE	1	20	-	
-	-	1	SPACE	15								16	SPACE	1	-	-	
-	-	1	SPACE	17								18	SPACE	1	-	-	
-	-	1	SPACE	19								20	SPACE	1	-	-	
-	-	1	SPACE	21								22	SPACE	1	-	-	
-	-	1	SPACE	23								24	SPACE	1	-	-	
Connected Load Phase A: (A)			24.8	3458			2340	0	0	1080	Demand Load Phase A: (A)			28.0			
Connected Load Phase B: (A)			13.4	0			1080	0	0	2640	Demand Load Phase B: (A)			13.4			
Connected Load Phase C: (A)			7.8	0			1440	0	0	720	Demand Load Phase C: (A)			7.8			
Total VA:		13623															
Load: (A)		16.4															
25% Growth: (A)		20.5															

Panel Schedule																	
Panel: E2L-3N																	
Voltage: 480Y/277		Mains: MLO		Loads (VA)								Loc: 3RD FL ELEC RM		AIC: 14K			
Amps: 100		Wires: 4		Phase: 3										Mounting: SURFACE			
Branch Circuit	Amp	P	Description	Cir	Ltg	Recept	Motor	Lg Motor	Equip	Cir	Description	P	Amp	Branch Circuit			
3/4" C/3#8+1#10GRD	45	3	XFMR T-8	1		3458	3780	2340			5640	1080	2	PANEL E2L-2N	3	50	3/4" C/4#8+1#10GRD
-	-	-	-	3		2700	1080				4680	2640	4	-	-	-	-
-	-	-	-	5		3960	1440				3600	720	6	-	-	-	-
3/4" C/2#12+1#12GRD	20	1	LTG: TRIAGE, PDC RMS	7	1190								8	SPARE	1	20	-
3/4" C/2#12+1#12GRD	20	1	LTG: TESTING, NURSE ST	9	1910								10	SPARE	1	20	-
-	20	1	SPARE	11									12	SPARE	1	20	-
-	20	1	SPARE	13									14	SPARE	1	20	-
-	20	1	SPARE	15									16	SPARE	1	20	-
-	20	1	SPARE	17									18	SPARE	1	20	-
-	-	1	SPACE	19									20	SPACE	1	-	-
-	-	1	SPACE	21									22	SPACE	1	-	-
-	-	1	SPACE	23									24	SPACE	1	-	-
Connected Load Phase A: (A)			63.1	4648			6120	0	0	6720	Demand Load Phase A: (A)			67.3			
Connected Load Phase B: (A)			47.0	1910			3780	0	0	7320	Demand Load Phase B: (A)			48.7			
Connected Load Phase C: (A)			35.1	0			5400	0	0	4320	Demand Load Phase C: (A)			35.1			
Total VA:		39208															
Load: (A)		47.2															
25% Growth: (A)		59.0															

Panel Schedule

Panel: E2P-3N

Voltage: 208Y/120		Mains: MCB		Loads (VA)								Loc: 3RD FL ELEC RM		AIC: 10K			
Amps: 100		Wires: 4		Phase: 3										Mounting: SURFACE			
Branch Circuit	Amp	P	Description	Cir	Ltg	Recept	Motor	Lg Motor	Equip	Cir	Description	P	Amp	Branch Circuit			
3/4" C/2#12+1#12GRD	20	1	REC: RM 3200	1		540	720					2	20	3/4" C/2#12+1#12GRD			
3/4" C/2#12+1#12GRD	20	1	REC: RM 3204	3		540	540					4	20	3/4" C/2#12+1#12GRD			
3/4" C/2#12+1#12GRD	20	1	REC: RM 3208	5		180	1080		600			6	20	3/4" C/2#12+1#12GRD			
3/4" C/2#12+1#12GRD	20	1	REC: FETAL MONITORS	7					1200	840		8	20	3/4" C/2#12+1#12GRD			
3/4" C/2#12+1#12GRD	20	1	REC: FETAL MONITORS	9					1200	1440		10	20	3/4" C/2#12+1#12GRD			
3/4" C/2#12+1#12GRD	20	1	REC: RMS 3215, 3219	11		360				1200		12	20	3/4" C/2#12+1#12GRD			
3/4" C/2#12+1#12GRD	20	1	REC: FETAL MONITORS	13			900		1800			14	20	3/4" C/2#12+1#12GRD			
3/4" C/2#12+1#12GRD	20	1	REC: FETAL MONITORS	15			900		1200			16	20	3/4" C/2#12+1#12GRD			
3/4" C/2#12+1#12GRD	20	1	REC: TRIAGE RMS 1, 2, 3	17		1080			1800			18	20	3/4" C/2#12+1#12GRD			
3/4" C/2#12+1#12GRD	20	1	HEADWALL UNITS: TRIAGE	19		720	180			600		20	20	3/4" C/2#12+1#12GRD			
3/4" C/2#12+1#12GRD	20	1	HEADWALL UNITS: TRIAGE	21		720				240		22	20	3/4" C/2#12+1#12GRD			
3/4" C/2#12+1#12GRD	20	1	HEADWALL UNITS: TRIAGE	23		720	540					24	20	3/4" C/2#12+1#12GRD			
3/4" C/2#12+1#12GRD	20	1	HEADWALL UNITS: TRIAGE	25		720				1200		26	20	3/4" C/2#12+1#12GRD			
3/4" C/2#12+1#12GRD	20	1	REC: COUNTERTOP FRIG	27					600			28	20	-			
-	20	1	SPARE	29								30	20	-			
-	20	1	SPARE	31								32	20	-			
-	20	1	SPARE	33								34	20	-			
-	20	1	SPARE	35								36	20	-			
-	-	1	SPACE	37								38	-	-			
-	-	1	SPACE	39								40	-	-			
-	-	1	SPACE	41								42	-	-			
Connected Load Phase A: (A)			78.5			0	3780	0	0	5640	Demand Load Phase A: (A)		78.5				
Connected Load Phase B: (A)			61.5			0	2700	0	0	4680	Demand Load Phase B: (A)		61.5				
Connected Load Phase C: (A)			63.0			0	3960	0	0	3600	Demand Load Phase C: (A)		63.0				
Total VA:			24140														
Load: (A)			67.1														
25% Growth: (A)			83.8														

Panel Schedule

Panel: E3L-N

Voltage: 480Y/277			Mains: MLO			Loads (VA)							Loc: 2ND FL ELEC RM		AIC: 25K	
Amps: 250			Phase: 3										Mounting: SURFACE			
Branch Circuit	Amp	P	Description	Cir	Ltg	Recept	Motor	Lg Motor	Equip	Cir	Description	P	Amp	Branch Circuit		
1 1/4" C/3#1+1#6GRD	200	3	AHU-2N SUPPLY FAN	1				18642			2	200AF PREPARED SPACE	3	-	-	
-	-	-	-	3				18642			4	-	-	-	-	
-	-	-	-	5				18642			6	-	-	-	-	
3/4" C/3#10+1#10GRD	25	3	SECOND. PUMP P-HS-1	7			1864			6097	8	DUPLEX CONDEN. RECV'R	3	40	3/4" C/3#10+1#10GRD	
-	-	-	-	9			1864			6097	10	-	-	-	-	
-	-	-	-	11			1864			6097	12	-	-	-	-	
3/4" C/3#10+1#10GRD	45	3	SMOKE PRESS. FAN SF-1	13			3728	3048			14	ACCU-1: 1ST FLOOR ROOF	3	20	3/4" C/3#12+1#12GRD	
-	-	-	-	15			3728	3048			16	-	-	-	-	
-	-	-	-	17			3728	3048			18	-	-	-	-	
-	-	3	100AF PREPARED SPACE	19							20	100AF PREPARED SPACE	3	-	-	
-	-	-	-	21							22	-	-	-	-	
-	-	-	-	23							24	-	-	-	-	
3/4" C/3#6+1#8GRD	30	3	XFMR T-10	25			6282		720		26	SPACE	1	-	-	
-	-	-	-	27	1080	360	6096		720		28	SPACE	1	-	-	
-	-	-	-	29			6096		720		30	SPACE	1	-	-	
-	-	1	SPACE	31							32	SPACE	1	-	-	
-	-	1	SPACE	33							34	SPACE	1	-	-	
-	-	1	SPACE	35							36	SPACE	1	-	-	
-	-	1	SPACE	37							38	SPACE	1	-	-	
-	-	1	SPACE	39							40	SPACE	1	-	-	
-	-	1	SPACE	41							42	SPACE	1	-	-	
Connected Load Phase A: (A)			145.8			0	0	14922	18642	6817	Demand Load Phase A: (A)			162.6		
Connected Load Phase B: (A)			150.3			1080	360	14736	18642	6817	Demand Load Phase B: (A)			168.1		
Connected Load Phase C: (A)			145.1			0	0	14736	18642	6817	Demand Load Phase C: (A)			161.9		
Total VA:			136463													
Load: (A)			164.2													
25% Growth: (A)			205.3													

