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MAINE EYE - RETINA & SURGERY CENTER  
161 Marginal Way - Portland, Maine 04101

**Panel No: EMDP**

Mains Rating: 400 A  
A.I.C. Rating: 25kA  
Volts: 120/208 Wye  
Service: 3Phase,4Wires

Supply From: MCB Rating: 400 A

Location: LEVEL 1/EMERG. ELEC. 1228  
Mounting: Surface  
Mains Type: MIAN BREAKER  
Enclosure: Indoor

Wire Size	Cond.	Load Name	Trip	Poles	CKT	ØA	ØB	ØC	ØA	ØB	ØC	CKT	Poles	Trip	Load Name	Cond.	Wire Size
--	--	MEEOP ATS	200A	3	1	0 VA			0 VA			2	3	200 A	MECR ATS	--	--
--	--				3		0 VA					4					
--	--				5		0 VA	0 VA				6					
--	--	MELS ATS	100 A	3	7	0 VA			0 VA			8					
--	--				11		0 VA					10					
--	--				13			0 VA				12					
					17							16					
					13							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					
Total Load:						0 VA			0 VA			0 VA					
Total Connected Load:						0 VA			0 VA			0 VA					
Total Conn. Current:						0 A			0 A			0 A					
Total Est. Demand:						0 VA			0 VA			0 VA					
Total Est. Demand Current:						0 A			0 A			0 A					

**Panel No: MEEQ**

Mains Rating: 400 A  
A.I.C. Rating: 22kA  
Volts: 120/208 Wye  
Service: 3Phase,4Wires

Supply From: NPDT MCB Rating: 400 A

Location: LEVEL 1/EMERG. ELEC. 1228  
Mounting: Surface  
Mains Type: MAIN BREAKER  
Enclosure: Indoor

Wire Size	Cond.	Load Name	Trip	Poles	CKT	ØA	ØB	ØC	ØA	ØB	ØC	CKT	Poles	Trip	Load Name	Cond.	Wire Size
3-#550, 1-#350...	--	OR AIR HANDLER HVAC-4	250 A	3	1	19875 VA						2					
--	--				3	19875 VA						4					
--	--				5	19875 VA						6					
3-#10, 1-#10, 1-#10	--	VACUUM PUMP ROOM 122A	30 A	3	7	2000 VA						8					
--	--				9	2000 VA						10					
--	--				11				2000 VA			12					
--	--				13							14					
					15							16					
					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					
Total Load:						21875 VA			21875 VA			21875 VA					
Total Connected Load:						65624 VA			65624 VA			65624 VA					
Total Conn. Current:						182 A			182 A			182 A					
Total Est. Demand:						65624 VA			65624 VA			65624 VA					
Total Est. Demand Current:						182 A			182 A			182 A					

**Panel No: MECR1**

Mains Rating: 225 A  
A.I.C. Rating: 22kA  
Volts: 120/208 Wye  
Service: 3Phase,4Wires

Supply From: NPDT MCB Rating: 225 A

Location: LEVEL 1/EMERG. ELEC. 1228  
Mounting: Surface  
Mains Type: MAIN BREAKER  
Enclosure: Indoor

Wire Size	Cond.	Load Name	Trip	Poles	CKT	ØA	ØB	ØC	ØA	ØB	ØC	CKT	Poles	Trip	Load Name	Cond.	Wire Size
1-#12, 1-#12, 1-#12		RECP PRE - OP. 108.4	20 A	1	1	360 VA			360 VA			2	1	20 A	RECP PRE - OP. 108.3	1-#12, 1-#12, 1-#12	
1-#12, 1-#12, 1-#12		RECP PRE - OP. 108.2	20 A	1	3	360 VA			360 VA			4	1	20 A	RECP PRE - OP. 108.1	1-#12, 1-#12, 1-#12	
1-#12, 1-#12, 1-#12		RECP POST - OP. 110.6	20 A	1	5			360 VA				6	1	20 A	RECP POST - OP. 110.5	1-#12, 1-#12, 1-#12	
1-#12, 1-#12, 1-#12		RECP POST - OP. 110.4	20 A	1	7	360 VA			360 VA			8	1	20 A	RECP POST - OP. 110.3	1-#12, 1-#12, 1-#12	
1-#12, 1-#12, 1-#12		RECP POST - OP. 110.2	20 A	1	9	360 VA			360 VA			10	1	20 A	RECP POST - OP. 110.1	1-#12, 1-#12, 1-#12	
1-#12, 1-#12, 1-#12		RECP PRE - OP. 108.5	20 A	1	11			360 VA				12	1	20 A	RECP PRE - OP. 108.6	1-#12, 1-#12, 1-#12	
1-#12, 1-#12, 1-#12		RECP NURSE 109	20 A	1	13	180 VA			360 VA			14	1	20 A	RECP NURSE 109	1-#12, 1-#12, 1-#12	
1-#12, 1-#12, 1-#12		RECP NURSE 109	20 A	1	15	360 VA			720 VA			16	1	20 A	RECP NURSE 109	1-#12, 1-#12, 1-#12	
1-#12, 1-#12, 1-#12		RECP Room 110, 108	20 A	1	17			360 VA				18	1	20 A	RECP OR 1-1 133-1	1-#12, 1-#12, 1-#12	
1-#12, 1-#12, 1-#12		RECP OR 1-1 133-1	20 A	1	19	360 VA			360 VA			20	1	20 A	RECP OR 1-1 133-1	1-#12, 1-#12, 1-#12	
1-#12, 1-#12, 1-#12		RECP OR 1-1 133-1	20 A	1	21	360 VA			360 VA			22	1	20 A	RECP OR 1-1 133-1	1-#12, 1-#12, 1-#12	
1-#12, 1-#12, 1-#12		RECP OR 1-1 133-1	20 A	1	23			360 VA				24	1	20 A	RECP OR 2-1 134-1	1-#12, 1-#12, 1-#12	
1-#12, 1-#12, 1-#12		RECP OR 2-1 134-1	20 A	1	25	360 VA			180 VA			26	1	20 A	RECP OR 2-1 134-1	1-#12, 1-#12, 1-#12	
1-#12, 1-#12, 1-#12		RECP OR 2-1 134-1	20 A	1	27	360 VA			360 VA			28	1	20 A	RECP OR 2-1 134-1	1-#12, 1-#12, 1-#12	
1-#12, 1-#12, 1-#12		RECP OR 2-1 134-1	20 A	1	29	360 VA			360 VA			30	1	20 A	RECP OR3 122	1-#12, 1-#12, 1-#12	
1-#12, 1-#12, 1-#12		RECP OR3 122	20 A	1	31	360 VA			360 VA			32	1	20 A	RECP OR3 122	1-#12, 1-#12, 1-#12	
1-#12, 1-#12, 1-#12		RECP OR3 122	20 A	1	33	180 VA			360 VA			34	1	20 A	RECP OR3 122	1-#12, 1-#12, 1-#12	
1-#12, 1-#12, 1-#12		RECP OR3 122	20 A	1	35			360 VA				36	1	20 A	RECP OR3 122	1-#12, 1-#12, 1-#12	
1-#12, 1-#12, 1-#12		RECP OR4-1 152-1	20 A	1	37	360 VA			360 VA			38	1	20 A	RECP OR4-1 152-1	1-#12, 1-#12, 1-#12	
1-#12, 1-#12, 1-#12		RECP OR4-1 152-1	20 A	1	39	360 VA			360 VA			40	1	20 A	RECP OR4-1 152-1	1-#12, 1-#12, 1-#12	
1-#12, 1-#12, 1-#12		RECP OR4-1 152-1	20 A	1	41			360 VA				42	1	20 A	RECP OR4-1 152-1	1-#12, 1-#12, 1-#12	
Total Load:						4680 VA			5220 VA			4860 VA					
Total Connected Load:						14760 VA			14760 VA			14760 VA					
Total Conn. Current:						41 A			41 A			41 A					
Total Est. Demand:						12380 VA			12380 VA			12380 VA					
Total Est. Demand Current:						34 A			34 A			34 A					

**Panel No: MELS1**

Mains Rating: 100 A  
A.I.C. Rating: 22kA  
Volts: 120/208 Wye  
Service: 3Phase,4Wires

Supply From: NPDT MCB Rating: 100 A

Location: LEVEL 1/EMERG. ELEC. 1228  
Mounting: Surface  
Mains Type: MAIN BREAKER  
Enclosure: Indoor

Wire Size	Cond.	Load Name	Trip	Poles	CKT	ØA	ØB	ØC	ØA	ØB	ØC	CKT	Poles	Trip	Load Name	Cond.	Wire Size
1-#12, 1-#12, 1-#12		FIRE ALARM PANEL VESTIBULE...	20 A	1	1	50 VA			2625 VA			2	3	20 A	MELSHV	--	--
1-#12, 1-#12, 1-#12		NURSE CALL PANEL ELEC. 1228	20 A	1	3	50 VA			5186 VA			4	--	--	--	--	--
1-#12, 1-#12, 1-#12		FAPS FIRST FLOOR	20 A	1	5			0 VA				6	--	--	--	--	--
1-#12, 1-#12, 1-#12		FAPS SECOND FLOOR	20 A	1	7	0 VA			500 VA			8	1	20 A	MED GAS MANIFOLDS	1-#12, 1-#12, 1-#12	
1-#12, 1-#12, 1-#12		MED GAS ALARM	20 A	1	9	250 VA			100 VA			10	1	20 A	GENERATOR RANKU	1-#12, 1-#12, 1-#12	
1-#12, 1-#12, 1-#12		MED GAS ALARM	20 A	1	11	250 VA			720 VA			12	1	20 A	LTS OR 2-1 134-1	1-#12, 1-#12, 1-#12	
1-#12, 1-#12, 1-#12		LTS OR-1 133-1	20 A	1	13	720 VA			720 VA			14	1	20 A	LTS OR3 122	1-#12, 1-#12, 1-#12	
1-#12, 1-#12, 1-#12																	