

SECTION 26 06 20.16

ELECTRICAL PANELBOARD SCHEDULE

**SEE ATTACHED**

VOLTS: 208/120 AMPS 225  
MOUNT: Surface PHASE: 3

MAIN: MLO  
WIRES: 4

PANEL: P-E1 Section 1  
LOCATION: Electrical 111

BREAKER		DESCRIPTION	CKT VA	TYPE	CKT NO.	LOAD			CKT NO.	TYPE	CKT VA	DESCRIPTION	BREAKER	
A	P					A	B	C					P	A
20	1	1st Fl Area A Receptacles	1200	R	1	1400			2	R	200	Elev. Mach. Room Receptacle	1	20
20	1	1st Fl Area A Receptacles	1000	R	3		1500		4	O	500	Elevator Controls	1	20
20	1	1st Fl Area A Receptacles	1200	R	5			2800	6	R	1600	1st Fl Area A Recepts WS1	1	20
20	1	1st Fl Area A Refrigerator	1500	O	7	3100			8	R	1600	1st Fl Area A Recepts WS2	1	20
20	1	1st Fl Area A Coffee Maker	1000	O	9		2200		10	R	1200	1st Fl Area A Recepts WS3	1	20
20	1	1st Fl Area A Receptacles	1200	R	11			2400	12	R	1200	1st Fl Area A Recepts WS4	1	20
20	1	1st Fl Area A Receptacles	1200	R	13	2400			14	R	1200	1st Fl Area A Recepts WS5	1	20
20	1	1st Fl Area A Receptacles	1200	R	15		2800		16	R	1600	1st Fl Area A Recepts WS6	1	20
20	1	1st Fl Area A Receptacles	1000	R	17			2600	18	R	1600	1st Fl Area A Recepts WS7	1	20
20	1	1st Fl Area A Receptacles	1000	R	19	2200			20	R	1200	1st Fl Area A Recepts WS8	1	20
20	1	1st Fl Area A Water Cooler	1000	O	21		2600		22	R	1600	1st Fl Area A Recepts WS9	1	20
20	1	1st Fl Area A Water Cooler	1000	O	23			2600	24	R	1600	1st Fl Area A Recepts WS10	1	20
100	3	Panel P-E1 Section 2	11300		25	12500			26	R	1200	1st Fl Area A Recepts WS11	1	20
100	3	Panel P-E1 Section 2	10700		27		12300		28	R	1600	1st Fl Area A Recepts WS12	1	20
100	3	Panel P-E1 Section 2	10500		29			12100	30	R	1600	1st Fl Area A Recepts WS13	1	20
20	1	1st Fl Area A Smoke Dampers	500	O	31	1700			32	R	1200	1st Fl Area A Recepts WS14	1	20
20	1	Spare	500	S	33		1700		34	R	1200	1st Fl Area A Recepts WS15	1	20
20	1	Spare	500	S	35			1000	36	S	500	Spare	1	20
20	1	Spare	500	S	37	1000			38	S	500	Spare	1	20
20	1	Spare	500	S	39		1000		40	S	500	Spare	1	20
20	1	Spare	500	S	41			1000	42	S	500	Spare	1	20

PHASE TOTALS 24300 24100 24500

CONNECTED VOLT-AMPERES= 72900  
CONNECTED AMPERES= 202  
DEMAND VOLT-AMPERES= 36450  
DEMAND AMPERES= 101

CIRCUIT TYPE CODES		DEMAND FACTOR
L	LIGHTS	1.0
M	MOTORS	0.8
R	RECEPTACLES	0.5
H	HEAT	1.0
O	OTHER	0.5
S	SPARE	0.5

PROJECT: **PowerPay Office Fit-Up**  
PROJ. NO: 08-0053  
DATE: 10/28/09  
STATUS: Redesign

**Bartlett Design**  
**LIGHTING & ELECTRICAL ENGINEERING**  
942 WASHINGTON STREET BATH, MAINE 04530  
TEL (207) 443-5447 FAX (207) 443-5560

VOLTS: 208/120 AMPS 225  
MOUNT: Surface PHASE: 3

MAIN: MLO  
WIRES: 4

PANEL: P-E1 Section 2  
LOCATION: Electrical 111

BREAKER		DESCRIPTION	CKT VA	TYPE	CKT NO.	LOAD			CKT NO.	TYPE	CKT VA	DESCRIPTION	BREAKER	
A	P					A	B	C					P	A
20	1	1st Fl Area A Mod Partition	1200	R	43	2600			44	O	1400	1st Fl Area A Hand Dryer	1	20
20	1	1st Fl Area A Mod Partition	1200	R	45		2600		46	O	1400	1st Fl Area A Hand Dryer	1	20
20	1	1st Fl Area A Mod Partition	1200	R	47			2600	48	O	1400	1st Fl Area A Hand Dryer	1	20
20	1	1st Fl Area A Mod Partition	1200	R	49	2600			50	O	1400	1st Fl Area A Hand Dryer	1	20
20	1	1st Fl Area A Mod Partition	1200	R	51		2600		52	O	1400	1st Fl Area A Hand Dryer	1	20
20	1	1st Fl Area A Mod Partition	1200	R	53			2200	54	R	1000	1st Fl Area A Receptacles	1	20
20	1	1st Fl Area A Mod Partition	1200	R	55	2000			56	R	800	1st Fl Area A Receptacles	1	20
20	1	Door Operators	500	O	57		1500		58	R	1000	1st Fl Area A Receptacles	1	20
20	1	Door Operators	500	O	59			1700	60	R	1200	1st Fl Area A Receptacles	1	20
20	1	Door Operators	500	O	61	1100			62	R	600	1st Fl Area A Receptacles	1	20
20	1	Door Operators	500	O	63		1000		64	O	500	Door Operators	1	20
20	1	Door Operators	500	O	65			1000	66	O	500	Door Operators	1	20
20	1	Spare	500	S	67	1000			68	O	500	1st Fl Area A F/A Door Hldrs	1	20
20	1	Spare	500	S	69		1000		70	O	500	1st Fl Area A Handicap Oper	1	20
20	1	Fire Alarm Panel	500	O	71			1000	72	S	500	Spare	1	20
20	1	Fire Alarm Boosters	500	O	73	1000			74	S	500	Spare	1	20
20	1	Spare	500	S	75		1000		76	S	500	Spare	1	20
20	1	Spare	500	S	77			1000	78	S	500	Spare	1	20
20	1	Spare	500	S	79	1000			80	S	500	Spare	1	20
20	1	Spare	500	S	81		1000		82	S	500	Spare	1	20
20	1	Spare	500	S	83			1000	84	S	500	Spare	1	20

PHASE TOTALS 11300 10700 10500

CONNECTED VOLT-AMPERES= 32500  
CONNECTED AMPERES= 90  
DEMAND VOLT-AMPERES= 16250  
DEMAND AMPERES= 45

CIRCUIT TYPE CODES		DEMAND FACTOR
L	LIGHTS	1.0
M	MOTORS	0.8
R	RECEPTACLES	0.5
H	HEAT	1.0
O	OTHER	0.5
S	SPARE	0.5

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VOLTS: 120/208 AMPS 200  
MOUNT: Recess PHASE: 3

MAIN: MLO  
WIRES: 4

PANEL: P-E2 Section 1  
LOCATION: Server Room 120

BREAKER		DESCRIPTION	CKT VA	TYPE	CKT NO.	LOAD			CKT NO.	TYPE	CKT VA	DESCRIPTION	BREAKER	
A	P					A	B	C					P	A
20	1	Network Switch NS1	500	O	1	1000			2	O	500	Network Switch NS10	1	20
20	1	Network Switch NS2	500	O	3		1000		4	O	500	Network Switch NS11	1	20
20	1	Network Switch NS3	500	O	5			1000	6	O	500	Network Switch NS12	1	20
20	1	Network Switch NS4	500	O	7	1000			8	O	500	Network Switch NS13	1	20
20	1	Network Switch NS5	500	O	9		1000		10	O	500	Network Switch NS14	1	20
20	1	Network Switch NS6	500	O	11			1000	12	O	500	Network Switch NS15	1	20
20	1	Network Switch NS7	500	O	13	1000			14	O	500	Network Switch NS16	1	20
20	1	Network Switch NS8	500	O	15		1000		16	O	500	Network Switch NS17	1	20
20	1	Network Switch NS9	500	O	17			1000	18	O	500	Network Switch NS18	1	20
20	1	Spare	500	S	19	4500			20	O	4000	UPS	2	50
20	1	Spare	500	S	21		4500		22	O	4000	UPS	2	50
20	1	Spare	500	S	23			4500	24	O	4000	UPS	2	50
60	3	Panel P-E2 Section 2	5000		25	5500			26	S	500	Spare	1	20
60	3	Panel P-E2 Section 2	5000		27		5500		28	S	500	Spare	1	20
60	3	Panel P-E2 Section 2	5300		29			5800	30	S	500	Spare	1	20

PHASE TOTALS 13000 13000 13300

CONNECTED VOLT-AMPERES= 39300  
CONNECTED AMPERES= 109  
DEMAND VOLT-AMPERES= 19650  
DEMAND AMPERES= 55

CIRCUIT TYPE CODES		DEMAND FACTOR
L	LIGHTS	1.0
M	MOTORS	0.8
R	RECEPTACLES	0.5
H	HEAT	1.0
O	OTHER	0.5
S	SPARE	0.5

PANEL SHALL INCLUDE INTEGRAL TRANSIENT/SURGE SUPPRESSION

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VOLTS: 120/208 AMPS 200  
MOUNT: Recess PHASE: 3

MAIN: MLO  
WIRES: 4

PANEL: P-E2 Section 2  
LOCATION: Server Room 120

BREAKER		DESCRIPTION	CKT VA	TYPE	CKT NO.	LOAD			CKT NO.	TYPE	CKT VA	DESCRIPTION	BREAKER	
A	P					A	B	C					P	A
20	1	Network Switch NS19	500	O	31	1000			32	O	500	Network Switch NS26	1	20
20	1	Network Switch NS20	500	O	33		1000		34	O	500	Network Switch NS27	1	20
20	1	Network Switch NS21	500	O	35			1000	36	O	500	Network Switch NS28	1	20
20	1	Network Switch NS22	500	O	37	1000			38	O	500	Network Switch NS29	1	20
20	1	Network Switch NS23	500	O	39		1000		40	O	500	Network Switch NS30	1	20
20	1	Network Switch NS24	500	O	41			1000	42	O	500	Network Switch NS31	1	20
20	1	Network Switch NS25	500	O	43	1000			44	O	500	Network Switch NS32	1	20
20	1	Network Switch NS33	500	S	45		1000		46	O	500	Network Switch NS34	1	20
20	1	Network Rack	500	O	47			1300	48	R	800	Receptacles	1	20
20	1	Network Rack	500	O	49	1000			50	S	500	Spare	1	20
20	1	Network Rack	500	O	51		1000		52	S	500	Spare	1	20
20	1	Spare	500	S	53			1000	54	S	500	Spare	1	20
20	1	Spare	500	S	55	1000			56	S	500	Spare	1	20
20	1	Spare	500	S	57		1000		58	S	500	Spare	1	20
20	1	Spare	500	S	59			1000	60	S	500	Spare	1	20

PHASE TOTALS | 5000 | 5000 | 5300

CONNECTED VOLT-AMPERES= 15300  
CONNECTED AMPERES= 42  
DEMAND VOLT-AMPERES= 7650  
DEMAND AMPERES= 21

CIRCUIT TYPE CODES		DEMAND FACTOR
L	LIGHTS	1.0
M	MOTORS	0.8
R	RECEPTACLES	0.5
H	HEAT	1.0
O	OTHER	0.5
S	SPARE	0.5

**PANEL SHALL INCLUDE INTEGRAL TRANSIENT/SURGE SUPPRESSION**

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VOLTS: 120/208 AMPS 200  
MOUNT: Surface PHASE: 3

MAIN: MLO  
WIRES: 4

PANEL: P1 Section 1  
LOCATION: Electrical 135

BREAKER		DESCRIPTION	CKT VA	TYPE	CKT NO.	LOAD			CKT NO.	TYPE	CKT VA	DESCRIPTION	BREAKER	
A	P					A	B	C					P	A
1	20	1st Fl Area B Recepts WS1	1200	R	1	2800			2	R	1600	1st Fl Area B Recepts WS6	1	20
1	20	1st Fl Area B Recepts WS1	1200	R	3		2800		4	R	1600	1st Fl Area B Recepts WS6	1	20
1	20	1st Fl Area B Recepts WS2	1200	R	5			2800	6	R	1600	1st Fl Area B Recepts WS7	1	20
1	20	1st Fl Area B Recepts WS2	1200	R	7	2800			8	R	1600	1st Fl Area B Recepts WS7	1	20
1	20	1st Fl Area B Recepts WS3	1600	R	9		2800		10	R	1200	1st Fl Area B Recepts WS8	1	20
1	20	1st Fl Area B Recepts WS3	1600	R	11			2800	12	R	1200	1st Fl Area B Recepts WS8	1	20
1	20	1st Fl Area B Recepts WS4	1600	R	13	2800			14	R	1200	1st Fl Area B Recepts WS9	1	20
1	20	1st Fl Area B Recepts WS4	1600	R	15		2800		16	R	1200	1st Fl Area B Recepts WS9	1	20
1	20	1st Fl Area B Recepts WS5	1200	R	17			2400	18	R	1200	1st Fl Area B Recepts WS10	1	20
1	20	1st Fl Area B Recepts WS5	1200	R	19	2400			20	R	1200	1st Fl Area B Recepts WS10	1	20
1	20	Spare	500	S	21		1500		22	R	1000	1st Fl Area B Mod Partition	1	20
1	20	Spare	500	S	23			1500	24	R	1000	1st Fl Area B Mod Partition	1	20
100	3	Panel P1 Section 2	15400		25	16400			26	R	1000	1st Fl Area B Mod Partition	1	20
100	3	Panel P1 Section 2	13200		27		14200		28	R	1000	1st Fl Area B Mod Partition	1	20
100	3	Panel P1 Section 2	13600		29			14600	30	R	1000	1st Fl Area B Mod Partition	1	20
1	20	Spare	500	S	31	1500			32	R	1000	1st Fl Area B Mod Partition	1	20
1	20	Spare	500	S	33		1000		34	S	500	Spare	1	20
1	20	Spare	500	S	35			1000	36	S	500	Spare	1	20
1	20	Spare	500	S	37	1000			38	S	500	Spare	1	20
1	20	Spare	500	S	39		1000		40	S	500	Spare	1	20
1	20	Spare	500	S	41			1000	42	S	500	Spare	1	20

PHASE TOTALS 29700 26100 26100

CONNECTED VOLT-AMPERES= 81900  
CONNECTED AMPERES= 227  
DEMAND VOLT-AMPERES= 40950  
DEMAND AMPERES= 114

CIRCUIT TYPE CODES		DEMAND FACTOR
L	LIGHTS	1.0
M	MOTORS	0.8
R	RECEPTACLES	0.5
H	HEAT	1.0
O	OTHER	0.5
S	SPARE	0.5

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VOLTS: 120/208 AMPS 200  
MOUNT: Surface PHASE: 3

MAIN: MLO  
WIRES: 4

PANEL: P1 Section 2  
LOCATION: Electrical 135

BREAKER		DESCRIPTION	CKT VA	TYPE	CKT NO.	LOAD			CKT NO.	TYPE	CKT VA	DESCRIPTION	BREAKER	
A	P					A	B	C					P	A
1	20	1st Fl Area B Recepts WS11	1600	R	43	3200			44	R	1600	1st Fl Area B Recepts WS16	1	20
1	20	1st Fl Area B Recepts WS11	1600	R	45		3200		46	R	1600	1st Fl Area B Recepts WS16	1	20
1	20	1st Fl Area B Recepts WS12	1600	R	47			3200	48	R	1600	1st Fl Area B Recepts WS17	1	20
1	20	1st Fl Area B Recepts WS12	1600	R	49	3200			50	R	1600	1st Fl Area B Recepts WS17	1	20
1	20	1st Fl Area B Recepts WS13	1600	R	51		3200		52	R	1600	1st Fl Area B Recepts WS18	1	20
1	20	1st Fl Area B Recepts WS13	1600	R	53			3200	54	R	1600	1st Fl Area B Recepts WS18	1	20
1	20	1st Fl Area B Recepts WS14	1600	R	55	2800			56	R	1200	1st Fl Area B Recepts WS19	1	20
1	20	1st Fl Area B Recepts WS14	1600	R	57		2800		58	R	1200	1st Fl Area B Recepts WS19	1	20
1	20	1st Fl Area B Recepts WS15	1600	R	59			3200	60	R	1600	1st Fl Area B Recepts WS20	1	20
1	20	1st Fl Area B Recepts WS15	1600	R	61	3200			62	R	1600	1st Fl Area B Recepts WS20	1	20
1	20	Spare	500	S	63		1000		64	S	500	Spare	1	20
1	20	Spare	500	S	65			1000	66	S	500	Spare	1	20
1	20	Spare	500	S	67	1000			68	S	500	Spare	1	20
1	20	Spare	500	S	69		1000		70	S	500	Spare	1	20
1	20	Spare	500	S	71			1000	72	S	500	Spare	1	20
1	20	Spare	500	S	73	1000			74	S	500	Spare	1	20
1	20	Spare	500	S	75		1000		76	S	500	Spare	1	20
1	20	Spare	500	S	77			1000	78	S	500	Spare	1	20
1	20	Spare	500	S	79	1000			80	S	500	Spare	1	20
1	20	Spare	500	S	81		1000		82	S	500	Spare	1	20
1	20	Spare	500	S	83			1000	84	S	500	Spare	1	20

PHASE TOTALS 15400 13200 13600

CONNECTED VOLT-AMPERES= 42200  
CONNECTED AMPERES= 117  
DEMAND VOLT-AMPERES= 21100  
DEMAND AMPERES= 59

CIRCUIT TYPE CODES		DEMAND FACTOR
L	LIGHTS	1.0
M	MOTORS	0.8
R	RECEPTACLES	0.5
H	HEAT	1.0
O	OTHER	0.5
S	SPARE	0.5

PROJECT: **PowerPay Office Fit-Up**  
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VOLTS: 120/208 AMPS 200  
MOUNT: Surface PHASE: 3

MAIN: MLO  
WIRES: 4

PANEL: P3 Section 1  
LOCATION: Electrical 135

BREAKER		DESCRIPTION	CKT VA	TYPE	CKT NO.	LOAD			CKT NO.	TYPE	CKT VA	DESCRIPTION	BREAKER	
A	P					A	B	C					P	A
20	1	2nd Fl Area B Lights	1232	L	1	1738			2	L	506	2nd Fl Area B Lights	1	20
20	1	2nd Fl Area B Lights	954	L	3		1908		4	L	954	2nd Fl Area B Lights	1	20
20	1	2nd Fl Area B Mod Partitions	1200	R	5			2330	6	L	1130	2nd Fl Area B Lights	1	20
20	1	2nd Fl Area B Mod Partitions	1200	R	7	2800			8	R	1600	2nd Fl Area B Recepts WS1	1	20
20	1	2nd Fl Area B Mod Partitions	1200	R	9		2800		10	R	1600	2nd Fl Area B Recepts WS2	1	20
20	1	2nd Fl Area B Mod Partitions	1200	R	11			2800	12	R	1600	2nd Fl Area B Recepts WS3	1	20
20	1	2nd Fl Area B Mod Partitions	1200	R	13	2800			14	R	1600	2nd Fl Area B Recepts WS4	1	20
20	1	2nd Fl Area B Mod Partitions	1200	R	15		2800		16	R	1600	2nd Fl Area B Recepts WS5	1	20
20	1	2nd Fl Area B Mod Partitions	1200	R	17			2800	18	R	1600	2nd Fl Area B Recepts WS6	1	20
20	1	2nd Fl Area B Mod Partitions	1200	R	19	2800			20	R	1600	2nd Fl Area B Recepts WS7	1	20
20	1	2nd Fl Area B Mod Partitions	1200	R	21		2800		22	R	1600	2nd Fl Area B Recepts WS8	1	20
20	1	2nd Fl Area B Skylight Cntrl	500	O	23			2100	24	R	1600	2nd Fl Area B Recepts WS9	1	20
100	3	Panel P3 Section 2	10800		25	12400			26	R	1600	2nd Fl Area B Recepts WS10	1	20
100	3	Panel P3 Section 2	10800		27		12400		28	R	1600	2nd Fl Area B Recepts WS11	1	20
100	3	Panel P3 Section 2	11100		29			12700	30	R	1600	2nd Fl Area B Recepts WS12	1	20
20	1	2nd Fl Area B Lights	1061	L	31	2661			32	R	1600	2nd Fl Area B Recepts WS13	1	20
20	1	Spare	500	S	33		1700		34	R	1200	2nd Fl Area B Recepts WS14	1	20
20	1	Spare	500	S	35			1700	36	R	1200	2nd Fl Area B Recepts WS15	1	20
20	1	Spare	500	S	37	1000			38	S	500	Spare	1	20
20	1	Spare	500	S	39		1000		40	S	500	Spare	1	20
20	1	Spare	500	S	41			1000	42	S	500	Spare	1	20

PHASE TOTALS 26199 25408 25430

CONNECTED VOLT-AMPERES= 77037  
CONNECTED AMPERES= 214  
DEMAND VOLT-AMPERES= 41437  
DEMAND AMPERES= 115

CIRCUIT TYPE CODES		DEMAND FACTOR
L	LIGHTS	1.0
M	MOTORS	0.8
R	RECEPTACLES	0.5
H	HEAT	1.0
O	OTHER	0.5
S	SPARE	0.5

PROJECT: **PowerPay Office Fit-Up**  
PROJ. NO: 08-0053  
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VOLTS: 120/208 AMPS 200  
MOUNT: Surface PHASE: 3

MAIN: MLO  
WIRES: 4

PANEL: P3 Section 2  
LOCATION: Electrical 135

BREAKER		DESCRIPTION	CKT VA	TYPE	CKT NO.	LOAD			CKT NO.	TYPE	CKT VA	DESCRIPTION	BREAKER	
A	P					A	B	C					P	A
20	1	2nd Fl Area C Exercise Equip	1000	R	43	2200			44	R	1200	2nd Fl Area B Receptacles	1	20
20	1	2nd Fl Area C Exercise Equip	1000	R	45		2500		46	O	1500	2nd Fl Area B Refrigerator	1	20
20	1	2nd Fl Area C Exercise Equip	1000	R	47			2000	48	O	1000	2nd Fl Area B Coffee Maker	1	20
20	1	2nd Fl Area C Exercise Equip	1000	R	49	1400			50	R	400	2nd Fl Area B Receptacles	1	20
20	1	2nd Fl Area C Exercise Equip	1000	R	51		1400		52	R	400	2nd Fl Area B Receptacles	1	20
20	1	2nd Fl Area C Exercise Equip	1000	R	53			2000	54	R	1000	2nd Fl Area B Receptacles	1	20
20	1	2nd Fl Area C Exercise Equip	1000	R	55	2000			56	R	1000	2nd Fl Area B Receptacles	1	20
20	1	2nd Fl Area C Exercise Equip	1000	R	57		2200		58	R	1200	2nd Fl Area B Receptacles	1	20
20	1	2nd Fl Area C Exercise Equip	1000	R	59			2200	60	R	1200	2nd Fl Area B Receptacles	1	20
20	1	2nd Fl Area C Receptacles	1000	R	61	2200			62	R	1200	2nd Fl Area B Receptacles	1	20
20	1	2nd Fl Area B Window Cntrl	500	O	63		1700		64	R	1200	2nd Fl Area B Receptacles	1	20
20	1	2nd Fl Area B Window Cntrl	500	O	65			1900	66	O	1400	2nd Fl Area B Hand Dryer	1	20
20	1	2nd Fl Area B Window Cntrl	500	O	67	1000			68	S	500	Spare	1	20
20	1	2nd Fl Area B Window Cntrl	500	O	69		1000		70	S	500	Spare	1	20
20	1	2nd Fl Area B Window Cntrl	500	O	71			1000	72	S	500	Spare	1	20
20	1	Spare	500	O	73	1000			74	S	500	Spare	1	20
20	1	Spare	500	O	75		1000		76	S	500	Spare	1	20
20	1	Spare	500	O	77			1000	78	S	500	Spare	1	20
20	1	Spare	500	O	79	1000			80	S	500	Spare	1	20
20	1	Spare	500	O	81		1000		82	S	500	Spare	1	20
20	1	Spare	500	O	83			1000	84	S	500	Spare	1	20

PHASE TOTALS 10800 10800 11100

CONNECTED VOLT-AMPERES= 32700  
CONNECTED AMPERES= 91  
DEMAND VOLT-AMPERES= 16350  
DEMAND AMPERES= 45

CIRCUIT TYPE CODES		DEMAND FACTOR
L	LIGHTS	1.0
M	MOTORS	0.8
R	RECEPTACLES	0.5
H	HEAT	1.0
O	OTHER	0.5
S	SPARE	0.5

PROJECT: **PowerPay Office Fit-Up**  
PROJ. NO: 08-0053  
DATE: 10/28/09  
STATUS: Redesign

**Bartlett Design**  
**LIGHTING & ELECTRICAL ENGINEERING**  
942 WASHINGTON STREET BATH, MAINE 04530  
TEL (207) 443-5447 FAX (207) 443-5560

VOLTS: 120/208 AMPS 100  
MOUNT: Recess PHASE: 3

MAIN: MLO  
WIRES: 4

PANEL: P4  
LOCATION: Storsge 127

BREAKER		DESCRIPTION	CKT VA	TYPE	CKT NO.	LOAD			CKT NO.	TYPE	CKT VA	DESCRIPTION	BREAKER	
A	P					A	B	C					P	A
40	2	Oven	3120	O	1	6240			2	O	3120	Oven	2	40
40	2	Oven	3120	O	3		6240		4	O	3120	Oven	2	40
20	1	Receptacels	400	R	5			800	6	R	400	Receptacles	1	20
20	1	Ice maker	1000	O	7	2500			8	O	1500	Refrigerator	1	20
20	1	Refrgierator	1500	O	9		3000		10	O	1500	Refrigerator	1	20
20	1	Coffee Maker	1000	R	11			2500	12	O	1500	Dishwasher	1	20
20	1	Coffee Maker	1000	R	13	2200			14	R	1200	Receptacles	1	20
20	1	Refrigerated Drawer	1000	O	15		2500		16	O	1500	Dishwasher	1	20
20	1	Refrigerated Drawer	1000	O	17			2500	18	O	1500	Owner's Equipment	1	20
20	1	Ice maker	1000	O	19	2500			20	O	1500	Owner's Equipment	1	20
20	1	Owner's Equipment	1000	O	21		2500		22	O	1500	Owner's Equipment	1	20
20	1	Microwave	1000	R	23			2000	24	R	1000	Microwave	1	20
20	1	Microwave	1000	R	25	2000			26	R	1000	Microwave	1	20
20	1	Water Cooler	1000	O	27		2000		28	O	1000	Water Cooler	1	20
20	1	Spare	500	S	29			1000	30	S	500	Spare	1	20
20	1	Spare	500	S	31				32	S	500	Spare	1	20
20	1	Spare	500	S	33				34	S	500	Spare	1	20
20	1	Spare	500	S	35				36	S	500	Spare	1	20
20	1	Spare	500	S	37				38	S	500	Spare	1	20
20	1	Spare	500	S	39				40	S	500	Spare	1	20
20	1	Spare	500	S	41				42	S	500	Spare	1	20

PHASE TOTALS 17440 18240 10800

CONNECTED VOLT-AMPERES= 46480  
CONNECTED AMPERES= 129  
DEMAND VOLT-AMPERES= 23240  
DEMAND AMPERES= 65

CIRCUIT TYPE CODES		DEMAND FACTOR
L	LIGHTS	1.0
M	MOTORS	0.8
R	RECEPTACLES	0.5
H	HEAT	1.0
O	OTHER	0.5
S	SPARE	0.5

PROJECT: **PowerPay Office Fit-Up**  
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942 WASHINGTON STREET BATH, MAINE 04530  
TEL (207) 443-5447 FAX (207) 443-5560

VOLTS: 120/208 AMPS 225  
MOUNT: Surface PHASE: 3

MAIN: MLO  
WIRES: 4

PANEL: P5  
LOCATION: Electrical 135

BREAKER		DESCRIPTION	CKT VA	TYPE	CKT NO.	LOAD			CKT NO.	TYPE	CKT VA	DESCRIPTION	BREAKER	
A	P					A	B	C					P	A
20	1	1st Floor Lights Area B	924	L	1	2311			2	L	1387	1st Floor Lights Area B	1	20
20	1	1st Floor Lights Area B	1166	L	3		2241		4	L	1075	1st Floor Lights Area B	1	20
20	1	1st Fl Area B Receptacles	1000	R	5			2400	6	O	1400	1st Fl Area B Hand Dryer	1	20
20	1	1st Fl Area B Receptacles	1200	R	7	2600			8	O	1400	1st Fl Area B Hand Dryer	1	20
20	1	1st Fl Area B Receptacles	1200	R	9		2600		10	O	1400	1st Fl Area B Hand Dryer	1	20
20	1	1st Fl Area B Receptacles	1200	R	11			2600	12	O	1400	1st Fl Area B Hand Dryer	1	20
20	1	1st Fl Area B Receptacles	1000	R	13	2200			14	R	1200	1st Fl Area B Receptacles	1	20
20	1	1st Fl Area B Receptacles	1200	R	15		2400		16	R	1200	1st Fl Area B Receptacles	1	20
20	1	1st Fl Area B Receptacles	1200	R	17			2400	18	R	1200	1st Fl Area B Receptacles	1	20
20	1	1st Fl Area B Receptacles	1400	R	19	2600			20	R	1200	1st Fl Area B Receptacles	1	20
20	1	1st Fl Area B Receptacles	1200	R	21		2200		22	O	1000	1st Fl Area B Water Cooler	1	20
20	1	Exterior Lights Type S2 & S3	955	L	23			1455	24	O	500	1st Fl Area C Window Cntrl	1	20
20	1	Exterior Lights Type S1/S4/S5	1263	L	25	1763			26	L	500	Exterior Pole Lights	1	20
20	1	Exterior Lights Type S1/S5	1159	L	27		1659		28	O	500	1st Fl Area B Handicap Oper	1	20
20	1	Exterior Lights Type S1/S4/S5	1018	L	29			1942	30	L	924	1st Floor Lights Area B	1	20
20	1	Spare	500	S	31	1000			32	S	500	Spare	1	20
20	1	Spare	500	S	33		1000		34	S	500	Spare	1	20
20	1	Spare	500	S	35			1000	36	S	500	Spare	1	20
20	1	Spare	500	S	37	1000			38	S	500	Spare	1	20
20	1	Spare	500	S	39		1000		40	S	500	Spare	1	20
20	1	Spare	500	S	41			1000	42	S	500	Spare	1	20

PHASE TOTALS 13474 13100 12797

CONNECTED VOLT-AMPERES= 39371  
CONNECTED AMPERES= 109  
DEMAND VOLT-AMPERES= 24871  
DEMAND AMPERES= 69

CIRCUIT TYPE CODES		DEMAND FACTOR
L	LIGHTS	1.0
M	MOTORS	0.8
R	RECEPTACLES	0.5
H	HEAT	1.0
O	OTHER	0.5
S	SPARE	0.5

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