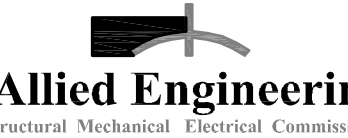




**PDT ARCHITECTS**  
 49 DARTMOUTH STREET  
 PORTLAND, MAINE 04101  
 207-775-0559  
 www.pdtarch.com

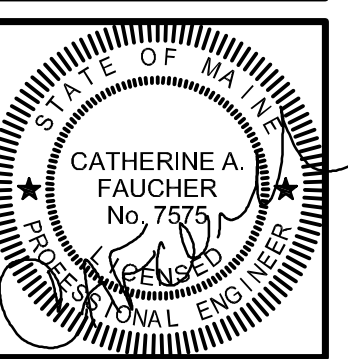


**Allied Engineering**  
 Structural Mechanical Electrical Consulting  
 100 Veranda Street  
 Portland, Maine 04103  
 T: 207.221.2266  
 F: 207.221.2266  
 W: www.allied-eng.com

ALLIED PROJECT NO.:  
 13008  
 CAD FILE:  
 13008M.DWG

**COPYRIGHT**  
 PDT Architects  
 Reuse or reproduction of the  
 contents of this document is not  
 permitted without written  
 permission of PDT Architects

TruChoice FCU - 272 Park Avenue  
 PORTLAND, MAINE



PDT JOB NO.  
 12084

DRWN.  
 CHK.  
 SCALE:  
 AS NOTED

ISSUE:  
 04/26/2013  
 CONSTRUCTION  
 DOCUMENTS

TITLE  
 ELECTRICAL  
 SCHEDULES &  
 POWER RISER  
 DIAGRAM

SHEET  
 EP600

PANEL SCHEDULE ~ L3									
VOLTAGE: 208/120V			MCO: 225A			AIC: 10,000			
3-PHASE, 4-WIRE			MGB:			LOCATION: ELECTRIC ROOM			
CKT NO	BRKR SIZE	NO OF POLES	PH	CIRCUIT LOAD (KVA) CONNECTED			BRANCH CIRCUIT DESCRIPTION	WIRE SIZE	CONDUIT
				A	B	C			
1	20	1	A	1.50			(E) BASEMENT OFFICE	(2)#12, (1)#12G	1/2"
3	20	1	B		1.50		EH-3 RM 103, EH-3 RM 107	(2)#12, (1)#12G	1/2"
5	20	1	C			1.50	EH-3 RM 111, EH-3 RM 112	(2)#12, (1)#12G	1/2"
7	20	1	A	1.50			EH-3 RM 104, EH-3 RM 105	(2)#12, (1)#12G	1/2"
9	20	1	B		1.50		EH-4 RM 110	(2)#12, (1)#12G	1/2"
11	20	1	C			1.25	EH-2 RM 113	(2)#12, (1)#12G	1/2"
13	20	1	A	1.50			EH-4 STAIR 1	(2)#12, (1)#12G	1/2"
15	20	1	B		0.75		EH-3 RM 103	(2)#12, (1)#12G	1/2"
17	20	1	C			0.97	LOBBY LIGHTING	(2)#12, (1)#12G	1/2"
19	20	1	A	0.86			FIRST FLOOR LIGHTING	(2)#12, (1)#12G	1/2"
21	20	1	B		0.90		RM 103 & EXTERIOR LTG	(2)#12, (1)#12G	1/2"
23	20	1	C		1.20		PRIMARY BANK SIGN	(2)#10, (1)#10G	1/2"
				5.56	4.65	4.92	SUBTOTAL		
2	20	1	A	0.00			(E) SUMP PUMP	(2)#12, (1)#12G	1/2"
4	20	1	B		0.00		(E) COMPUTER ROOM	(2)#12, (1)#12G	1/2"
6	20	1	C		0.00	0.00	(E) ALARM PANEL	(2)#12, (1)#12G	1/2"
8	20	1		1.20			BLDG MTD BANK SIGN	(2)#10, (1)#10G	1/2"
10	30	2			2.50		EH-1 IN 101	(2)#10, (1)#10G	1/2"
12	20	1	C			2.50	SPARE		
14	20	1	A	0.00			SPARE		
16	20	1	B		0.00		SPARE		
18	20	1	C		0.00		SPARE		
20	20	1	A	0.00			SPARE		
22	20	1	B		0.00		SPARE		
24	20	1	C		0.00		SPARE		
				1.20	2.50	2.70	SUBTOTAL		

PANEL SCHEDULE ~ L2									
VOLTAGE: 208/120V			MCO: 225A			AIC: 10,000			
3-PHASE, 4-WIRE			MGB:			LOCATION: OFFICE 107			
CKT NO	BRKR SIZE	NO OF POLES	PH	CIRCUIT LOAD (KVA) CONNECTED			BRANCH CIRCUIT DESCRIPTION	WIRE SIZE	CONDUIT
				A	B	C			
1	20	1	A	1.20			RECEPTACLES	(2)#12, (1)#12G	1/2"
3	20	1	B		1.20		RECEPTACLES	(2)#12, (1)#12G	1/2"
5	20	1	C			1.60	RECEPTACLES	(2)#12, (1)#12G	1/2"
7	20	1	A	1.60			RECEPTACLES	(2)#12, (1)#12G	1/2"
9	20	1	B		0.80		RECEPTACLES	(2)#12, (1)#12G	1/2"
11	20	1	C			0.80	RECEPTACLES	(2)#12, (1)#12G	1/2"
13	20	1	A	0.80			RECEPTACLES	(2)#12, (1)#12G	1/2"
15	20	1	B		1.00		RECEPTACLES	(2)#12, (1)#12G	1/2"
17	20	1	C			1.20	DIGITAL MARKETING TV'S	(2)#12, (1)#12G	1/2"
19	20	1	A	1.00			RECEPTACLES	(2)#12, (1)#12G	1/2"
21	20	1	B		1.00		RECEPTACLES	(2)#12, (1)#12G	1/2"
23	20	1	C			3.00	TUBE SYSTEM CUSTOMER UNIT	(2)#10, (1)#10G	1/2"
25	30	1	A	3.00			TUBE SYSTEM CUSTOMER UNIT	(2)#10, (1)#10G	1/2"
27	20	1	B		1.00		GENERATOR BATTERY CHARGER	(2)#12, (1)#12G	1/2"
29	20	1	C			1.50	GENERATOR BLOCK HEATER	(2)#12, (1)#12G	1/2"
31	20	1	A	0.20			ROOFTOP RECEPTACLE	(2)#12, (1)#12G	1/2"
33	20	1	B		0.00		SPARE		
35	20	1	C		0.00		SPARE		
37	20	1	A	0.00			SPARE		
39	20	1	B		0.00		SPARE		
41	20	1	C		0.00		SPARE		
				7.80	5.00	8.10	SUBTOTAL		
2	20	1	A	0.80			TELLERS RECEPTACLES	(2)#12, (1)#12G	1/2"
4	20	1	B		0.80		TELLERS RECEPTACLES	(2)#12, (1)#12G	1/2"
6	20	1	C			1.20	CASH DISPENSER	(2)#12, (1)#12G	1/2"
8	20	1	A	1.20			TUBE SYSTEM OPERATOR UNIT	(2)#12, (1)#12G	1/2"
10	20	1	B		1.20		TUBE SYSTEM OPERATOR UNIT	(2)#12, (1)#12G	1/2"
12	20	1	C			0.60	AUDIO SWITCHER BOX	(2)#12, (1)#12G	1/2"
14	20	1	A	0.60			COPIER - 105	(2)#12, (1)#12G	1/2"
16	20	1	B		1.60		COUNTER RECEPTACLES	(2)#12, (1)#12G	1/2"
18	20	1	C			1.00	COUNTER RECEPTACLES	(2)#12, (1)#12G	1/2"
20	20	1	A	1.00			COUNTER RECEPTACLES	(2)#12, (1)#12G	1/2"
22	20	1	B		1.20		ATM	(2)#12, (1)#12G	1/2"
24	20	1	C			1.20	ATM	(2)#12, (1)#12G	1/2"
26	20	1	A	0.30			FACP	(2)#12, (1)#12G	1/2"
28	20	1	B		0.80		TELLERS RECEPTACLES	(2)#12, (1)#12G	1/2"
30	20	1	C			0.20	DOOR HARDWARE	(2)#12, (1)#12G	1/2"
32	20	1	A	0.00			SPARE		
34	20	1	B		0.00		SPARE		
36	20	1	C		0.00		SPARE		
38	20	1	A	0.00			SPARE		
40	20	1	B		0.00		SPARE		
42	20	1	C		0.00		SPARE		
				3.90	5.60	4.20	SUBTOTAL		

ELECTRICAL SCHEDULE OF MECHANICAL EQUIPMENT																	
TAG	DESCRIPTION	VOLTS	PH	LOAD	MCA	MOPD	DISCONNECT SWITCH				STARTER (NEMA)		PANEL	WIRING IN CONDUIT	NOTES		
							FRAME	POLES	FUSE	NEMA ENCL	FBD	SIZE/VFD				FBD	CBD
RTU-1	ROOF TOP UNIT	208	3	21.1A	23.8A	30A	30A	3	30A	3R	26	-	-	-	Exist MDP	3#10, 1#10G IN 3/4".	3
RTU-2	ROOF TOP UNIT	208	1	15.9A	18.1A	25A	25A	2	25A	3R	26	-	-	-	Exist MDP	2#10, 1#10G IN 3/4".	3
RTU-4	ROOF TOP UNIT	208	3	21.1A	23.8A	30A	30A	3	30A	3R	26	-	-	-	Exist MDP	3#10, 1#10G IN 3/4".	4
EH-1	ELECTRIC FAN HEATER - CEILING	208	1	5000W	24A	30A	-	-	-	-	23	-	-	-	L3	2#10, 1#10G IN 3/4".	1, 2, 5
EH-2	ELECTRIC BASEBOARD HEATER - WALL	120	1	1250W	10.4A	20A	-	-	-	-	-	-	-	-	L3	2#12, 1#12G IN 3/4".	1, 2, 5
EH-3	ELECTRIC BASEBOARD HEATER - WALL	120	1	750W	6.3A	20A	-	-	-	-	-	-	-	-	L3	2#12, 1#12G IN 3/4".	1, 2, 5
EH-4	ELECTRIC FAN HEATER - WALL	120	1	1500W	12.5A	20A	-	-	-	-	-	-	-	-	L3	2#12, 1#12G IN 3/4".	1, 2, 5
NOTES:																	
1 REFER TO POWER PLAN FOR QUANTITY AND CIRCUITING																	
2 PROVIDE CIRCUIT BREAKER AT EXISTING PANEL L3																	
3 PROVIDE FUSES IN EXISTING 60A FRAME BUCKET AT MDP																	
4 PROVIDE HARDWARE AND FUSES IN EXISTING 30A FRAME BUCKET AT MDP																	
5 FULL VOLTAGE THERMOSTAT FURNISHED WITH UNIT, E.C. TO INSTALL AND CIRCUIT																	
ABBREVIATIONS:																	
FWE FURNISHED WITH EQUIPMENT																	
NF NOT FUSED																	
SWBD SWITCHBOARD																	
FBD FURNISHED BY DIVISION																	
CBD CONTROL WIRING BY DIVISION																	

LIGHTING CONTROL PANEL SCHEDULE ~ LCP			
PROVIDE INTEGRAL ASTRONOMICAL TIME CLOCK			
DESIGNATION:	LCP	MOUNTING:	SURFACE
CONTROL VOLTAGE:	120	LOCATION:	BASEMENT
CONTROL CIRCUIT:	L3-19	PROJECT:	TRUCHOICE FCU
RELAY NO	CIRCUIT NO	NOTE NO	DESCRIPTION
1	L3-21	1	DRIVE-THRU ATM LANE CANOPY LIGHTS
2	L3-21	1	DRIVE-THRU CANOPY LIGHTS
3	L3-19	1	WALL PACKS AND EGRESS LIGHT
4	L3-19	1	SECURE VESTIBULE 101 LIGHTS
5	L3-17	4	LOBBY 102 LIGHTS SWITCH a
6	L3-17	3	LOBBY 102 DN LTS + COVE LTS SWITCH b
7	L3-21	3	LOBBY 102 + TELLER AREA 103 NIGHT LIGHTS
8	L3-21	1	LANDSCAPE STEP LIGHTS
9	L3-23	1	PRIMARY BANK SIGN
10	L3-21	1	FLAG POLE LIGHTS
11	L3-12	1	BUILDING MOUNTED BANK SIGN
12	L3-21	2	TELLER AREA LIGHTS SWITCH d
13	L3-21	2	TELLER AREA LIGHTS SWITCH e
14	L3-21	1	PARKING LOT POLE LIGHTS
15			SPARE
16			SPARE
17			SPARE
18			SPARE
19			SPARE
20			SPARE
21			SPARE
22			SPARE
23			SPARE
24			SPARE
NOTES:			
1 PROGRAM FOR AUTO-ON/AUTO-OFF TIME CONTROL - COORDINATE TIME WITH OWNER			
2 PROGRAM FOR MANUAL ON AUTO OFF - COORDINATE TIME WITH OWNER			
3 PROGRAM FOR AUTO-ON/AUTO-OFF TIME CONTROL WITH MANUAL ON/OFF OVERRIDE VIA SWITCH LOCATED IN TELLER AREA.			
4 DURING OCCUPIED HOURS PHOTOCCELL SHUTS LIGHTING OFF WHEN AVERAGE ILLUMINATION AT 30 INCHES AFF IS ABOVE 70FC AND TURNS LIGHTING ON WHEN AVERAGE ILLUMINATION AT 30 INCHES AFF DROPS BELOW 40FC. PROVIDE MANUAL ON/OFF OVERRIDE VIA SWITCH LOCATED IN TELLER AREA.			

LUMINAIRE SCHEDULE									
TYPE	DESCRIPTION	MFR	CATALOG SERIES NUMBER SEE NOTE 1	MOUNTING	VOLTS	LAMP			KEY NOTES
						QTY PER FIXTURE	WATTS	TYPE	
L1	2x4 VOLUMETRIC LED GRID TROFFER	LITHONIA	2VTL4-48L-ADP-D47-LP835	RECESSED	MVOLT	-	47	LED ARRAY 3500K	
L2	6" ROUND DOWNLIGHT, ENERGY STAR RATED	JUNO	11C922LEDG3-35K-1-27C-WH	RECESSED	120	-	15	LED ARRAY 3500K	
L3	6" SQUARE DOWNLIGHT, DRIVE-UP CANOPY	PRESCOLITE	LF6SQLED8-6SQLED8-35K-CL	RECESSED	120	-	46	LED ARRAY 3500K	
L4	4" ROUND DOWNLIGHT, ENERGY STAR RATED	JUNO	IC1LED3G-35K-1-17C-WH	RECESSED	120	-	10.5	LED ARRAY 3500K	
L5	12" EGRESS LIGHT WITH REMOTE MICRO INVERTER	LUMINAIRE LIGHTING	AEL-12-10W LED-DP-B2H-TX/SD-EMB20R	EXTERIOR WALL OVER DOOR	120	-	10	LED ARRAY 3500K	
L6	CONTINUOUS LINEAR LED STRIP LIGHT FOR COVE, 6000 SERIES	TEMPO INDUSTRIES	6312-6-20-35	IN COVE	120	-	8.8W/ FT	LED ARRAY 3500K	7,8
L7	INGROUND FLAGPOLE LIGHT WITH DIRECTIONAL SHIELD	LSI INDUSTRIES	XG-B-LED-19-350-CW-UE-NFL25-NB-DSB	IN GROUND	120	-	23	LED ARRAY	
L8	PARKING LOT POLE LIGHT, DLC APPROVED	SPAULDING	CL1-A-30L-U-5K-5	16' POLE	120	-	70	LED ARRAY	9
L8A	PARKING LOT POLE LIGHT WITH BACKLIGHT CONTROL, DLC APPROVED	SPAULDING	CL1-A-30L-U-5K-4-BC	14' POLE	120	-	70	LED ARRAY	9
L9	WALL PACK	HUBBELL	LMC-18LUSK	WALL 12'	120	-	45	LED ARRAY	9
F1	1x4 SURFACE MOUNT	COLUMBIA	SM14-228-FS-A19-EP-U	CEILING SURFACE	120	2	28	T5 3500K	
O/C	OPEN/CLOSED LANE SIGN	SIGNAL-TECH	5887 (TCL718GR-100)	CANOPY FASCIA	120	-	4	LED ARRAY	3
ATM	ATM LANE SIGN	SIGNAL-TECH	5863 (TCL718GR-125)	CANOPY FASCIA	120	-	4	LED ARRAY	3
X	BLACK UNIVERSAL FACE EXIT SIGN WITH INTEGRAL BATTERY, RED LETTERS	DUAL LITE	LXJR-B-E-I	SEE PLANS	120	-	3.8	LED ARRAY	4
NOTES:									
1 NOTE THAT THESE NUMBERS ARE NOT COMPLETE CATALOG #S. PROVIDE ALL REQUIREMENTS ON SCHEDULE, NOTES, SPECS, AND DRAWINGS COMBINED.									
2 CATALOG SERIES NUMBERS ARE USED TO ESTABLISH A LEVEL OF QUALITY AND NOT INTENDED TO LIMIT COMPETITION. SERIES NUMBERS ARE NOT COMPLETE CATALOG NUMBERS. COMPLY WITH ADDITIONAL REQUIREMENTS IN SPECIFICATIONS AND DRAWINGS.									
3 PROVIDE TRIPLE GANG SWITCH #TG332 WITH (2) SINGLE POLE/DOUBLE THROW SWITCHES FOR OPEN/CLOSED SIGNS, AND (1) ON/OFF SWITCH FOR CONTROL OF ATM SIGN									
4 PROVIDE WALL, CEILING, OR PENDANT MOUNTING AS INDICATED ON PLANS. PROVIDE NUMBER OF FACES AND ARROWS AS INDICATED.									
5 PROVIDE PROGRAMMED START BALLAST WITH ROOMS THAT HAVE OCCUPANCY SENSORS.									
6 VERIFY CEILING STRUCTURE AND MOUNTING HEIGHT PRIOR TO ORDERING ANY LIGHT FIXTURES.									
7 FIELD DIMENSION COVE LIGHTING PRIOR TO ORDERING TO ENSURE PROPER FIXTURE LENGTHS. NOTIFY ARCHITECT OF ANY DISCREPANCIES IN LENGTHS SHOWN ON DRAWINGS AND ACTUAL FIELD DIMENSIONS. ADJUST LENGTHS OF ANY SPECIFIED FIXTURE AS DIRECTED BY ARCHITECT.									
8 PROVIDE POWER SUPPLIES, CONNECTORS, ETC TO CREATE A CONTINUOUS COVE LIGHT.									
9 FINISH BY ARCHITECT FROM MANUFACTURER'S STANDARD FINISHES									

