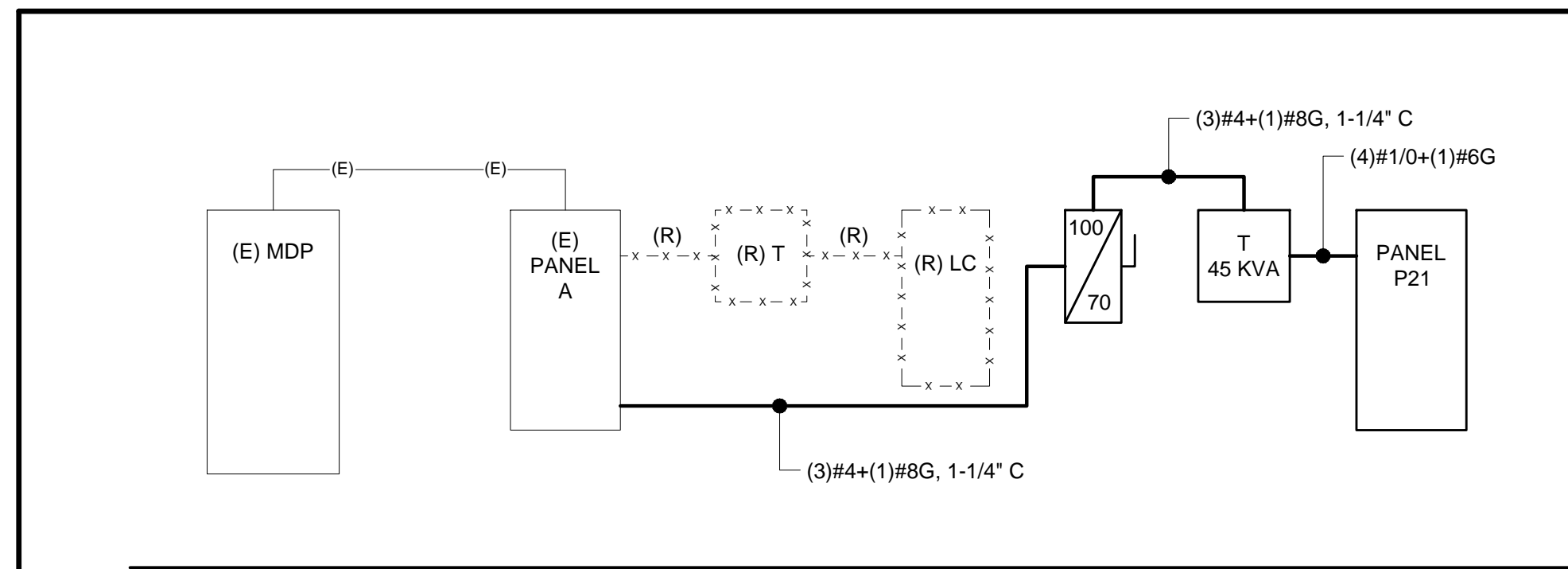


PANEL SCHEDULE ~ P21									
VOLTAGE: 208/120V			MCB: 150A			AIC: 10KA			
3-PHASE, 4-WIRE									
CKT NO	BRKR SIZE	NO OF POLES	PH	CIRCUIT LOAD (KVA) CONNECTED			BRANCH CIRCUIT DESCRIPTION		
				A	B	C			
1	20	1	A	1.26			RECEPTACLES: 103		
3	20	1	B		1.44		RECEPTACLES: 103, 112		
5	20	1	C			1.44	RECEPTACLES: 112, 116		
7	20	1	A	1.62			RECEPTACLES: 116, 117, 118		
9	20	1	B		1.62		RECEPTACLES: 117, 119, EXTERIOR		
11	20	1	C			1.80	RECEPTACLES: 103, ROOFTOP		
13	20	1	A	0.00			REFRIGERATOR: 114		
15	20	1	B		0.00		REFRIGERATOR: 114		
17	20	1	C			0.00	DISHWASHER: 114		
19	20	1	A	0.54			RECEPTACLES: 114		
21	20	1	B		0.54		RECEPTACLES: 114		
23	20	1	C			1.44	RECEPTACLES: 109, 110, E101		
25	20	1	A	1.44			RECEPTACLES: 105, 106, 107, 109		
27	20	1	B		1.44		RECEPTACLES: 104		
29	20	1	C			1.08	RECEPTACLES: 104, EXTERIOR		
31	20	1	A	0.00			MECHANICAL CONTROLS		
33	20	1	B		0.00		BUILDING MOUNTED SIGNS		
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		
SUBTOTAL				4.86	5.04	5.76			
2	20	1	A	0.06			EXHAUST FAN EF-1		
4	20	2	B		2.70		SPLIT AC UNIT DAC-1		
6	20	2	C			2.70			
8	20	1	A	1.44			RECEPTACLES: 201, 204		
10	20	1	B		1.26		RECEPTACLES: 203		
12	20	1	C			1.26	RECEPTACLES: 202		
14	20	1	A	0.00			LIGHTING CONTROL PANEL		
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	30	2	C			0.00			
26	20	1	A	0.00					
28	20	1	B		0.00				
30	20	1	C			0.00			
32	20	1	A	0.00					
34	20	1	B		0.00				
36	20	1	C			0.00			
38	20	1	A	0.00					
40	20	1	B		0.00				
42	20	1	C			0.00			
SUBTOTAL				1.50	3.96	3.96			

EXISTING PANEL SCHEDULE ~ PANEL A									
VOLTAGE: 480/277V									
3-PHASE, 4-WIRE									
CKT NO	BRKR SIZE	NO OF POLES	PH	CIRCUIT LOAD (KVA) CONNECTED			BRANCH CIRCUIT DESCRIPTION		
				A	B	C			
1			A	0.00			EXISTING BREAKERS TO REMAIN		
3	20	3	B		0.00				
5			C			0.00			
7	20	1	A	0.00					
9	20	1	B		0.00				
11	20	1	C			0.00			
13	20	1	A	2.53			LIGHTING VIA LCP: 2ND FLOOR, 101, 104, 105, 106, 107, 108, 109, 110, 111, EXTERIOR CANOPY		
15	20	1	B		2.14		LIGHTING VIA LCP: 101, 102, 103, EXTERIOR CANOPY		
17			C			0.00	SPACE		
19			A	0.00			SPACE		
21			B		0.00		SPACE		
23			C			0.00	SPACE		
SUBTOTAL				2.53	2.14	0.00			
2			A	0.00			EXISTING BREAKERS TO REMAIN		
4	20	3	B		0.00				
6			C			0.00			
8	20	1	A	0.00					
10	20	1	B		0.00				
12	20	1	C			0.00			
14	20	1	A	2.59			LIGHTING VIA LCP: 103, 104, 106, 107, 112, 113, 114, 115, 116, 117, 118, 119, 103		
16			B		0.00		SPACE		
18			C			0.00	SPACE		
20			A	0.00			SPACE		
22			B		0.00		SPACE		
24			C			0.00	SPACE		
SUBTOTAL				2.59	0.00	0.00			

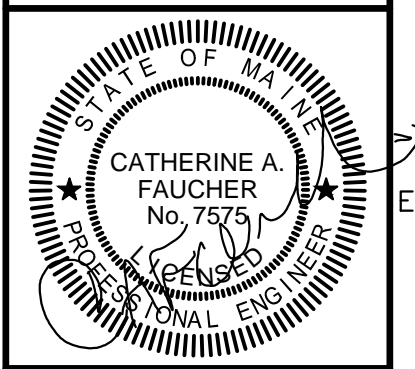
LIGHTING CONTROL PANEL SCHEDULE ~ LCP									
DESIGNATION: LCP			MOUNTING: SURFACE						
CONTROL VOLTAGE: 120									
CONTROL CIRCUIT: P21-14									
RELAY NO	CIRCUIT NO	NOTE NO	DESCRIPTION						
1	(E) CKT	1	TYPE W1 WALL PACKS						
2	PNL A #13	1	VESTIBULE 101						
3	PNL A #15	1	VESTIBULE 102						
4	PNL A #15	3	CUSTOMER WAITING AREA - DIMMING ZONE m						
5	PNL A #15	3	CUSTOMER WAITING AREA - DIMMING ZONE n						
6	PNL A #15	2	CUSTOMER WAITING AREA - DIMMING ZONE t						
7	PNL A #15	2	CUSTOMER WAITING AREA - DIMMING ZONE u						
8	PNL A #15	2	CUSTOMER WAITING AREA - DIMMING ZONE v						
9	PNL A #15	2	CUSTOMER WAITING AREA - DIMMING ZONE w						
10	PNL A #15	2	CUSTOMER WAITING AREA - DIMMING ZONE y						
11	PNL A #15	2	CUSTOMER WAITING AREA - DIMMING ZONE z						
12			SPARE						
13			SPARE						
14			SPARE						
15			SPARE						
16			SPARE						
NOTES									
1	PROGRAM FOR AUTO-ON/AUTO-OFF CONTROL VIA ASTRONOMICAL CLOCK.								
2	PROGRAM FOR MANUAL-DIMMING VIA INDICATED CONTROLS WITH AUTO-OFF VIA TIME SCHEDULE.								
3	PROGRAM FOR MANUAL-DIMMING VIA INDICATED CONTROLS WITH AUTOMATIC DAYLIGHT RESPONSIVE DIMMING VIA PHOTOCELL AND AUTO-OFF VIA TIME SCHEDULE. PHOTOCELL SHALL BE SET TO MAINTAIN AN AVERAGE OF 30 FOOTCANDLES AT 30 INCHES AFF.								

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	ROOFTOP UNIT	480	3		13.5	15	-	-	-	-	FWE	-	-	23	(E) A	(3) #12 +(1) #12G	
RTU-2	ROOFTOP UNIT	480	3		40	45	-	-	-	-	FWE	-	-	23	(E) MDP	(3) #8 +(1) #8G	2
EF-1	EXHAUST FAN	120	1	49W			20	1	NF	1	26	-	-	23	P21	(2) #12 +(1) #12G	
DAC-1	SPLIT A/C UNIT	208	1		13	20	20	1	NF	1	26	-	-	23	P21	(2) #12 +(1) #12G	3
NOTES:																	
1	LEAD/LAG																
2	DUCT SMOKE DETECTORS FURNISHED BY DIVISION 26, INSTALLED BY DIVISION 23, WIRED TO FIRE ALARM BY DIVISION 26.																
3	POWER TO CU BY DIVISION 26, WIRING BETWEEN AC AND CU PROVIDED BY DIVISION 23																
4	WIRE AND CONNECT MOTORIZED DAMPER AT EXHAUST FAN. CONNECT DAMPER TO SAME BRANCH CIRCUIT THAT SUPPLIES FAN.																
5	UNIT IS CONSISTS OF MULTIPLE MOTORS FACTORY WIRED FOR SINGLE-POINT POWER CONNECTION.																
6	CORD AND PLUG FURNISHED WITH EQUIPMENT																
ABBREVIATIONS:																	
FWE	FURNISHED WITH EQUIPMENT																
NF	NOT FUSED																
SWBD	SWITCHBOARD																
FBD	FURNISHED BY DIVISION																
CBD	CONTROL WIRING BY DIVISION																



160 Veranda Street  
Portland, Maine 04103  
T: 207.221.2260  
F: 207.221.2266  
Web: www.allied-eng.com

**Allied Engineering**  
Structural Mechanical Electrical Commissioning



**GRANT HAYS ASSOCIATES**  
ARCHITECTURE & INTERIOR DESIGN  
P.O. BOX 6199 FALMOUTH MAINE 04105  
207.571.9100 gha@granthays.com

Date:	02-12-2016
Drawn By:	DLL
Checked By:	SRM
Project Mgr:	WPF
Project No.:	15028
Client File:	15028_E.DWG
Graphic Scale:	0 1"

**NEA** NORTH EAST AIR  
PORTLAND INTERNATIONAL JETPORT  
PORTLAND, MAINE 04102  
1011 WESTBROOK STREET  
© Copyright 2016 NEA AIRPORT ENGINEERS, INC.

**ELECTRICAL DETAILS AND SCHEDULES**

**EP-2**

N:\Projects\2015\15028 - Northeast Air Terminal Building\00 Drawing Files\2015\15028\_E.dwg Feb 16, 2016 - 2:48pm