NOTE:

CIRCUIT DESCRIPTIONS TAKEN FROM EXISTING PANEL SCHEDULES. FIELD VERIFY ACTUAL LOADS. FURNISH AND INSTALL NEW TYPED PANEL SCHEDULES FOR EXISTING PANELS SHOWING FINAL CIRCUIT DESCRIPTION.

PANEL No. LP1A

EXISTING

BUS 225
PANEL RATING 10 KAIC
SUPPLY VOLTAGE 208Y/120
SERVICE 3Ø-4W

LOCATION 1ST FLOOR
MOUNTING SURFACE
DRAWING No.

WIRING WIRE	WIRING COND	DESCRIPTION	VA OR W ØA	VA OR W ØB	VA OR W ØC	BREAKER POLE	BREAKER A	CKT. NO	BUS CONN	CKT. NO	BREAKER POLE	BREAKER A	VA OR W ØA	VA OR W ØB	VA OR W ØC	DESCRIPTION	WIRING COND	WIRING WIRE
		SERVICE CORRIDOR				1	20	1	X	2	1	20				DELTA BAGG OFF./SOME SIGNS		
		UNKNOWN				1	20	3	X	4	1	20				SMARTE CART		
		UNKNOWN				1	20	5	X	6	1	20				UNKNOWN		
		UNKNOWN				1	20	7	X	8	1	20				DISPLAY SIGNS		
		DISPLAY SIGNS				1	20	9	X	10	1	20		(1000)		BEAM FLOODS * (DISPLAY SIGN)	(3/4)	(3#12, 1#12G.)
		BEAM FLOODS * (DISPLAY SIGN)			(1000)	1	20	11		12	1	20			(1000)	ROW 1 LIGHTS * (DISPLAY SIGN)		
(4#12, 1#12G)	(3/4)	ROW2 LIGHTS * (DISPLAY SIGN)	(1000)			1	20	13	X	14	1	20	(1000)			ROW 3 LIGHTS * (DISPLAY SIGN)	(3/4)	(3#12, 1#12G.)
		ROW 4 LIGHTS * (DISPLAY SIGN)		(1000)		1	20	15	X	16	1	20		(1000)		ROW 5 LIGHTS * (DISPLAY SIGN)		
		ROW 6 LIGHTS *				1	20	17		18	1	20				ROW 7 LIGHTS *		
		ROW 8 LIGHTS *				1	20	19	X	20	1	20				ROW 9 LIGHTS *		
(2#12, 1#12G)	(3/4)	ROW 10 LIGHTS *(SMART CARD)		(1000)		1	20	21	X	22	1	20				UNKNOWN		
		UNKNOWN				1	20	23		24	1	20				RECEPT IN INFO CLOSET		
		CONTINENTAL RECEPTS				1	20	25	X	26	1	20				UNKNOWN		
		DELTA RECEPTS				1	20	27		28	1	20				DISC. TEL. BOOTHS		
		LOAD DK & BAGG EAST SIGNS *				1	20	29	X	30	1	20				ANNUNCIATOR SIGNS – FIDS BAGG		
		BAGG N WALL RECEPTS *				1	20	31	X	32	1	20				UNKNOWN		
		BAGG N WALL RECEPTS *				1	20	33	X	34	1	20				BAGG SLIDING DOOR		
								35		36	1	20				UNKNOWN		
		TAXI DISPATCH OFF *				3	60	37	X	38	1	20				BAGG CLAIM OH DOOR HTR		
								39	X	40	1	20				UNKNOWN		
		BACK HALL				1	20	41		42	1	20				STAIRWELL SIGNS/FLOODS/INFO		
		TOTAL 1								TOTAL 2						TRACKLIGHTS		
		TOTAL 2																
		TOTAL 1 + 2																
		CONN. LOAD TOTAL																
		AMPERES																

* CIRCUITS TO BE DELETED
( ) NEW CIRCUITS BEING ADDED

MAIN BREAKER
FEEDER ENTRANCE
FEEDER SIZE
SOURCE CITY PNL ELEC. RM #1
PANEL TYPE

MAIN LUGS 225
ENCLOSURE TYPE NEMA 1
ACCESSORIES

PANEL No. EMP2A

EXISTING. PANEL TO BE USED AS JUNCTION BOX

BUS 60
PANEL RATING 10 KAIC
SUPPLY VOLTAGE 208Y/120
SERVICE 3Ø-4W

LOCATION BASEMENT BOILER RM
MOUNTING SURFACE
DRAWING No.

WIRING WIRE	WIRING COND	DESCRIPTION	VA OR W ØA	VA OR W ØB	VA OR W ØC	BREAKER POLE	BREAKER A	CKT. NO	BUS CONN	CKT. NO	BREAKER POLE	BREAKER A	VA OR W ØA	VA OR W ØB	VA OR W ØC	DESCRIPTION	WIRING COND	WIRING WIRE
	**	RAMP LTS POLE 12				2	20	1	X	2	1	20				FUEL TRANSFER PUMP	**	
								3	X	4	1	15				EXIT ; TS/CONTROL PWR	**	
	**	BOILER RM LIGHTS				1	20	5	X	6	2	20				REVOLVING DOORS	**	
	**	BOILER RM REC.				1	20	7	X	8								
	**	ROLL UP DOORS				2	20	9	X	10	1	20				GEN DAY TNK/BLK HTR	*	
		TUG TUNNEL						11	X	12	1	20				SNOW MELT BLK HTR	**	
								13	X	14								
								15	X	16								
								17	X	18								
								19	X	20								
								21	X	22								
								23	X	24								
								25	X	26								
								27	X	28								
								29	X	30								
								31	X	32								
								33	X	34								
								35	X	36								
								37	X	38								
								39	X	40								
								41	X	42								
		TOTAL 1										TOTAL 2						
		TOTAL 2																
		TOTAL 1 + 2																
		CONN. LOAD TOTAL																
		AMPERES																

* CIRCUIT TO BE DELETED
** EXTEND CIRCUIT TO PNL EMP2B

MAIN BREAKER
FEEDER ENTRANCE
FEEDER SIZE
SOURCE 6 KW GEN
PANEL TYPE

MAIN LUGS
ENCLOSURE TYPE NEMA 1
ACCESSORIES

PANEL No. LP2A

EXISTING

BUS 225
PANEL RATING 10 KAIC
SUPPLY VOLTAGE 208Y/120
SERVICE 3Ø-4W

LOCATION TUG AREA
MOUNTING SURFACE
DRAWING No.

WIRING WIRE	WIRING COND	DESCRIPTION	VA OR W ØA	VA OR W ØB	VA OR W ØC	BREAKER POLE	BREAKER A	CKT. NO	BUS CONN	CKT. NO	BREAKER POLE	BREAKER A	VA OR W ØA	VA OR W ØB	VA OR W ØC	DESCRIPTION	WIRING COND	WIRING WIRE
		TUG DRIVE				1	20	1	X	2	1	15				CONTROL		
		OUTSIDE LIGHTS				1	20	3	X	4	1	20				BAGG TUNN LTS/OUTDOOR CAM		
		CIRC. PUMP & EXH FAN				1	20	5		6	1	20				DUMB WAITER TUNN. LTS		
								7	X	8	1	20				TUG DRIVE UNIT HTRS *		
		TRASH COMPACTOR				3	60	9	X	10	1	20				KIOSK		
								11	X	12	1	20				ANNUNCIATOR FIDS		
								13	X	14								
		SMALL AIR HANDLER *				3	15	15	X	16	3	30				SMALL AC ON ROOF *		
		TUG DRIVE						17	X	18								
								19	X	20	2	30				ELEC HEAT *		
		DOOR OPENERS				3	20	21	X	22						DELTA/CONT. OFFICE		
								23	X	24	1	20				OUTLET		
		UNIT HTR HALL *				1	20	25	X	26		5335						4#4
		SPARE				1	20	27	X	28	3	70	4674			BIG HVAC UNIT *		1 1/4 1#8G
		HOST LOAD. DOK. OHD				1	20	29	X	30			6018			NEW FEED TO PNL L1E		
								31	X	32								
								33	X	34								
								35	X	36								
								37	X	38								
								39	X	40								
								41	X	42								
		TOTAL 1								TOTAL 2								
		TOTAL 2																
		TOTAL 1 + 2																
		CONN. LOAD TOTAL																
		AMPERES																

* CIRCUITS TO BE DELETED

MAIN BREAKER
FEEDER ENTRANCE
FEEDER SIZE
SOURCE CITY PNL ELEC RM#1
PANEL TYPE

MAIN LUGS 225
ENCLOSURE TYPE NEMA 1
ACCESSORIES

PANEL No. EMP2B

EXISTING

BUS 100
PANEL RATING 10 KAIC
SUPPLY VOLTAGE 208Y/120
SERVICE 3Ø-W4

LOCATION BASEMENT BOILER RM
MOUNTING SURFACE
DRAWING No.

WIRING WIRE	WIRING COND	DESCRIPTION	VA OR W ØA	VA OR W ØB	VA OR W ØC	BREAKER POLE	BREAKER A	CKT. NO	BUS CONN	CKT. NO	BREAKER POLE	BREAKER A	VA OR W ØA	VA OR W ØB	VA OR W ØC	DESCRIPTION	WIRING COND	WIRING WIRE
		FUEL TANK	*			1	20	1	X	2			*			FUEL XFER PUMPS		
		NETWORK RECEPT ELEC RM		*		1	20	3	X	4	3	20		*				
		UNKNOWN			*	1	20	5	X	6					*			
	**	RAMP LTS POLE 12	*			2	20	7	X	8						SPACE		
	**			*				9	X	10	2	40		500		SCAN SYSTEM		
	**	BOILER RM LTS			*	1	20	11		12					500	11-29		
	**	BOILER RM RECEPTS	*			1	20	13	X	14	2	20	648			FIRE GRILL 1/2HP	3/4	3#12, 1#12G
	**	ROLL UP DOORS		*		2	20	15	X	16				648		(NEW CIRCUIT)		
	**	TUG TUNNEL			*			17	X	18	2	20			*	REVOLVING DOORS		
	**	FUEL TRANSFER PUMP	*			1	20	19	X	20			*			*		
	**	EXIT LTS/CONTROL PWR		*		1	15	21	X	22						SPACE		
	**	SNOW MELT BLK HTR			*	1	20	23	X	24						SPACE		
								25	X	26								
								27	X	28								
								29	X	30								
								31	X	32								
								33	X	34								
								35	X	36								
								37	X	38								
								39	X	40								
								41	X	42								
		TOTAL 1	1573	2596	2531							TOTAL 2	648	1148	500			
		TOTAL 2	648	1148	500													
		TOTAL 1 + 2	2221	3744	3031													
		CONN. LOAD TOTAL		8996														
		AMPERES		25														
		ØB AMPERES		31														

* LOAD INCLUDED IN TOTAL TAKEN FROM WESTERLY EXPANSION
** CIRCUITS EXTENDED FROM PANEL EMP2A. PROVIDE NEW BRKR

MAIN BREAKER
FEEDER ENTRANCE
FEEDER SIZE
SOURCE REFEED FROM PNL ELEQ
PANEL TYPE

MAIN LUGS
ENCLOSURE TYPE
ACCESSORIES

PANEL No. C

EXISTING
REFEED FROM PNL DP4BE

BUS 400A
PANEL RATING 14 KAIC
SUPPLY VOLTAGE 480/277Y
SERVICE 3Ø-4W

LOCATION BASEMENT BOILER RM
MOUNTING SURFACE
DRAWING No.

WIRING WIRE	WIRING COND	DESCRIPTION	VA OR W ØA	VA OR W ØB	VA OR W ØC	BREAKER POLE	BREAKER A	CKT. NO	BUS CONN	CKT. NO	BREAKER POLE	BREAKER A	VA OR W ØA	VA OR W ØB	VA OR W ØC	DESCRIPTION	WIRING COND	WIRING WIRE
		SPARE				1	20	1	X	2	1	20				HERTZ POLE LTS		
		SPARE				1	20	3	X	4	1	20				SPARE		
		SPARE				1	20	5		6	1	20				SPARE		
		SPARE				1	20	7	X	8								
		SPARE				1	20	9	X	10	3	15				PUMP #1		
		SPARE				1	20	11		12								
		SPARE				1	20	13	X	14								
		SPARE				1	20	15	X	16	3	70				HVAC UNIT		
		SPACE				1	20	17	X	18						ABOVE HOST		
								19	X	20								
		BURNER PWR				3	20	21	X	22	3	15				PUMP #2		
								23	X	24								
								25	X	26								
		CAROUSEL A				3	50	27	X	28	3	50				CAROUSEL B		
								29	X	30								
		SPACE						31	X	32						SPACE		
		SPACE						33	X	34						SPACE		
		SPACE						35	X	36						SPACE		
		SPACE						37	X	38						SPACE		
		SPACE						39	X	40						SPACE		
		UNKNOWN				1	20	41	X	42	1	20				UNKNOWN		
		TOTAL 1								TOTAL 2								
		TOTAL 2																
		TOTAL 1 + 2																
		CONN. LOAD TOTAL																
		AMPERES																

NOTE:
NO INCREASE IN ELECT. LOAD FOR PANEL

MAIN BREAKER
FEEDER ENTRANCE TOP
FEEDER SIZE CITY PNL, ELEC RM. #2
SOURCE
PANEL TYPE

MAIN LUGS 400A
ENCLOSURE TYPE
ACCESSORIES

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REVISN	DESCRIPTION	DATE	DRAWN	CHECKED	APPRVD
1	CONSTRUCTION SET	APR. 22, 2004	CEJ	WRH	CGT
0	BID SUBMITTAL	FEB. 23, 2004	CEJ		

STATE OF MAINE — WILLIAM R. HENRY — REGISTERED PROFESSIONAL ENGINEER

PDA Architects
Phillip J. Doughty Assoc. • Architects
362 U.S. Route One, Falmouth, Maine 04105 • 207. 781. 5346

ADDITIONS AND ALTERATIONS:
EASTERLY EXPANSION OF BAGGAGE CLAIM FACILITY
PORTLAND INTERNATIONAL JETPORT, PORTLAND, MAINE

ELECTRICAL PANEL SCHEDULES

SCALE : AS NOTED
DATE : JUNE 2003
DESIGNED : WRH
DRAWN : BVD
CHECKED : WRH
APPROVED :

PROJ. 0100063
SHT OF
SHEET NO.
E9