PANEL No. EMDP

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

LOCATION PENTHOUSE GEN. RM
MOUNTING SURFACE
DRAWING No.

WIRE	COND	DESCRIPTION	ØA	ØB	ØC	POLE	A	CKT. NO	CKT. NO	POLE	A	ØA	ØB	ØC	DESCRIPTION	COND	WIRE
			35995					1	2								
4#3/0, 1#6G	2	EMCC		37362		3	200	3	4								
					37377			5	6								
			1579					7	8						SPACE		
4#4, 1#8G	1 1/4	PNL EHLS		3015		3	60	9	10						SPACE		
					3160			11	12						SPACE		
								13	14								
		SPARE				3	50	15	16	3	50				SPARE		
								17	18								
		TOTAL 1	37574	40377	40537				TOTAL	2		–	–	–			
		TOTAL 2	–	–	–												
		TOTAL 1 + 2	37574	40377	40537												

CONN. LOAD TOTAL 118,488
AMPERES 143
ØC AMPERES 146

MAIN BREAKER N/A
FEEDER ENTRANCE TOP
FEEDER SIZE 4#/350 KCMIL, 1#2G
SOURCE 150KW GENERATOR
PANEL TYPE BOLT ON

MAIN LUGS 400 AMPS
ENCLOSURE TYPE NEMA 1
ACCESSORIES

PANEL No. EHLS

BUS 125
PANEL RATING 14 KAIC
SUPPLY VOLTAGE 480Y/277
SERVICE 3Ø-4W

LOCATION PENTHOUSE GEN. RM
MOUNTING SURFACE
DRAWING No.

WIRE	COND	DESCRIPTION	ØA	ØB	ØC	POLE	A	CKT. NO	CKT. NO	POLE	A	ØA	ØB	ØC	DESCRIPTION	COND	WIRE
2#12, 1#12 G	3/4	LTG – STAIRWELL	683			1	20	1	2	1	20	260			LTG – EXT CANOPY	3/4	2#12, 1#12G
2#12, 1#12 G	3/4	LTG – BAGG. CLAIM		1464		1	20	3	4	1	20		1117		LTG – 2ND FLOOR	3/4	2#12, 1#12G
2#12, 1#12 G	3/4	LTG – BAGG. CLAIM			1464	1	20	5	6	1	20			1696	LTG – PENTHOUSE	3/4	2#12, 1#12G
2#12, 1#12 G	3/4	LTG – BAGG. CLAIM	636			1	20	7	8	1	20				SPARE		
2#12, 1#12 G	3/4	LTG – TUG DRIVE		434		1	20	9	10	1	20				SPARE		
		SPARE				1	20	11	12	1	20				SPARE		
		SPACE						13	14						SPACE		
		SPACE						15	16						SPACE		
		SPACE						17	18						SPACE		
								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 1	1319	1898	1464				TOTAL	2		260	1117	1696			
		TOTAL 2	260	1117	1696												
		TOTAL 1 + 2	1579	3015	3160												

CONN. LOAD TOTAL 7754
AMPERES 9
ØC AMPERES 11

MAIN BREAKER NA
FEEDER ENTRANCE BOTTOM
FEEDER SIZE 4#4, 1#8
SOURCE PNL DB4–BE VIA XFER SW.
PANEL TYPE BOLT ON

MAIN LUGS 125 AMPS
ENCLOSURE TYPE NEMA 1
ACCESSORIES

PANEL No. ELEQ

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

LOCATION PENTHOUSE GEN. RM
MOUNTING SURFACE
DRAWING No.

WIRE	COND	DESCRIPTION	ØA	ØB	ØC	POLE	A	CKT. NO	CKT. NO	POLE	A	ØA	ØB	ØC	DESCRIPTION	COND	WIRE
2#12, 1#12G	3/4	GEN. RM RECEPTS	900			1	20	1	2	1	20	1000			BATT. CHARGER	3/4	2#12, 1#12G
2#12, 1#12G	3/4	PENTHOUSE RECEPTS		1080		1	20	3	4	1	20		1500		BLOCK HTR	3/4	2#12, 1#12G
2#12, 1#12G	3/4	B1 ID FAN			1176	1	20	5	6	1	20			1728	DAY TANKS 2 @ 1/3 HP	3/4	2#12, 1#12G
2#12, 1#12G	3/4	B2 ID FAN	1176			1	20	7	8	1	20	720			UH 8&9 2@1/8HP	3/4	2#12, 1#12G
		SPARE				1	20	9	10	2	20		1000		REVOLVING DOOR	3/4	3#12, 1#12G
		SPARE				1	20	11	12					1000			
		SPARE				1	20	13	14	1	20	400			ELEVATOR LIGHTS	3/4	2#12, 1#12G
2#12, 1#12G	3/4	ELEV. P.T. REC & LIGHT		280		1	20	15	16	1	20		180		CCTV POWER SUPPLY	3/4	2#12, 1#12G
2#12, 1#12G	3/4	ELEV. P.T. SUMP PUMP 1/3HP			864	1	20	17	18	1	20				SPARE		
			2221					19	20			552			FIRE DOOR		
4#6, 1#10G	1	EXIST PNL EMP2B		3744		3	50	21	22	3	15		552		1 HP	3/4	3#12, 1#12G
					3031			23	24					552			
			1104					25	26	1	20				SPARE		
3#12, 1#12G	3/4	STACK EXH. FANS		1104		3	20	27	28	1	20				SPARE		
		2 @ 1 HP			1104			29	30	1	20				SPARE		
								31	32								
								33	34								
								35	36								
								37	38								
								39	40								
								41	42								
		TOTAL 1	5401	6208	6175				TOTAL	2		2672	3232	3280			
		TOTAL 2	2672	3232	3280												
		TOTAL 1 + 2	8073	9440	9455												

CONN. LOAD TOTAL 26968
AMPERES 75
ØC AMPERES 79

MAIN BREAKER 150A/3P
FEEDER ENTRANCE BOTTOM
FEEDER SIZE 4#1/0, 1#6G
SOURCE 45KVA XFMR
PANEL TYPE BOLT ON

MAIN LUGS NA
ENCLOSURE TYPE NEMA1
ACCESSORIES

PANEL No. LIE

BUS 100
PANEL RATING 10 KAIC
SUPPLY VOLTAGE 208Y/120
SERVICE 3Ø-4W

LOCATION TUG AREA
MOUNTING SURFACE
DRAWING No.

WIRE	COND	DESCRIPTION	ØA	ØB	ØC	POLE	A	CKT. NO	CKT. NO	POLE	A	ØA	ØB	ØC	DESCRIPTION	COND	WIRE
2#12, 1#12G	3/4	FIDS	500			1	20	1	2	1	20	720			BAGG CLAIM E. RECEPTS	3/4	2#12, 1#12G
2#12, 1#12G	3/4	BAGG CLAIM N. RECEPTS		540		1	20	3	4	1	20		720		BAGG CLAIM E. RECEPTS	3/4	2#12, 1#12G
2#12, 1#12G	3/4	BAGG CLAIM N. RECEPTS			540	1	20	5	6	1	20			720	BAGG CLAIM E. RECEPTS	3/4	2#12, 1#12G
2#12, 1#12G	3/4	TUG AREA RECEPTS	540			1	20	7	8	1	20	900			BAGG CLAIM E. RECEPTS	3/4	2#12, 1#12G
2#12, 1#12G	3/4	TUG AREA RECEPTS		540		1	20	9	10	1	20		720		BAGG CLAIM E. RECEPTS	3/4	2#12, 1#12G
2#12, 1#12G	3/4	OH DOORS 2 @ 1/3 HP			1728	1	20	11	12	1	20			720	BAGG CLAIM E. RECEPTS	3/4	2#12, 1#12G
2#12, 1#12G	3/4	KIOSK	500			1	20	13	14	1	20	835			EF–2 & LOAD DK. RECEPTS	3/4	2#12, 1#12G
2#12, 1#12G	3/4	KIOSK		540		1	20	15	16	1	20		250		VAV CONTROL PWR	3/4	2#12, 1#12G
2#10, 1#10G	3/4	RECEPTS TAXI CUE			360	1	20	17	18	1	20			200	VAV CONTROL PWR	3/4	2#12, 1#12G
3#12, 1#12G	3/4		360			1	20	19	20	1	20	480			UH–003, CUH 18	3/4	2#12, 1#12G
				360		1	20	21	22	1	20		864		OH DOOR 1/3 HP	3/4	2#12, 1#12G
2#12, 1#12G	3/4	RECEPTS, VENDING			500	1	20	23	24	1	20				SPARE		
			500			1	20	25	26	1	20				SPARE		
2#10, 1#12G	3/4	RECEPTS, EXTERIOR		180		1	20	27	28	1	20				SPARE		
2#12, 1#12G	3/4	YAXI CUE HP–1			1250	1	20	29	30	1	20				SPARE		
								31	32								
								33	34								
								35	36								
								37	38								
								39	40								
								41	42								
		TOTAL 1	2400	2120	4378				TOTAL	2		2935	2554	1640			
		TOTAL 2	2935	2554	1640												
		TOTAL 1 + 2	5335	4674	6018												

CONN. LOAD TOTAL 16027
AMPERES 45
ØC AMPERES 50

MAIN BREAKER NA
FEEDER ENTRANCE TOP
FEEDER SIZE 4#4, 1#8G
SOURCE EXIST. PNL LP2A
PANEL TYPE BOLT ON

MAIN LUGS 100
ENCLOSURE TYPE NEMA 1
ACCESSORIES

PANEL No. H2E

BUS 225
PANEL RATING 14 KAIC
SUPPLY VOLTAGE 480Y/277
SERVICE 3Ø-4W

LOCATION 2ND FLOOR ELECT RM
MOUNTING SURFACE
DRAWING No.

WIRE	COND	DESCRIPTION	ØA	ØB	ØC	POLE	A	CKT. NO	CKT. NO	POLE	A	ØA	ØB	ØC	DESCRIPTION	COND	WIRE
2#12, 1#12G	3/4	LTG BAGG. CLAIM	3172			1	20	1	2	1	20	2108			LTG – 2ND FLR	3/4	2#12, 1#12G
2#12, 1#12G	3/4	LTG BAGG. CLAIM		3172		1	20	3	4	1	20		390		CANOPY LTG	3/4	3#12, 1#12G
2#12, 1#12G	3/4	LTG BAGG. CLAIM			3172	1	20	5	6	1	20			390	CANOPY LTG		
2#12, 1#12G	3/4	LTG BAGG. CLAIM	1944			1	20	7	8	1	20	440			CANOPY LTG	3/4	3#12, 1#12G
2#12, 1#12G	3/4	LTG BAGG. CLAIM		1944		1	20	9	10	1	20		220		CANOPY LTG		
2#12, 1#12G	3/4	LTG BAGG. CLAIM			1944	1	20	11	12	1	20			600	CANOPY LTG	3/4	3#12, 1#12G
2#12, 1#12G	3/4	LTG BAGG. CLAIM	2520			1	20	13	14	1	20	600			CANOPY LTG		
2#12, 1#12G	3/4	1ST FLR OFF. LOAD DOCK		1876		1	20	15	16	1	20				SPARE		
		SPARE				1	20	17	18	1	20				SPARE		
2#12, 1#12G	3/4	EXTERIOR BOLLARDS	2990			1	20	19	20	1	20				SPARE		
2#12, 1#12G	3/4	LTG TUG AREA STOR./EXT		2624		1	20	21	22	1	20				SPARE		
2#12, 1#12G	3/4	EXT LTS EAST END			1626	1	20	23	24	1	20				SPARE		
		PNL L2E	5292					25	26						SPACE		
3#4, 1#8G	1	VIA 45KVA XFMR		5340		3	70	27	28						SPACE		
					4104			29	30						SPACE		
		SPACE						31	32						SPACE		
		SPACE						33	34						SPACE		
		SPACE						35	36						SPACE		
		SPACE						37	38						SPACE		
		SPACE						39	40						SPACE		
		SPACE						41	42						SPACE		
		TOTAL 1	15918	14956	10846				TOTAL	2		3148	610	990			
		TOTAL 2	3148	610	990												
		TOTAL 1 + 2	19066	15566	11836												

CONN. LOAD TOTAL 46468
AMPERES 56
ØA AMPERES 69

MAIN BREAKER NA
FEEDER ENTRANCE BOTTOM
FEEDER SIZE 4#1/0, 1#6G
SOURCE PNL DP4–BE
PANEL TYPE BOLT ON

MAIN LUGS 225
ENCLOSURE TYPE NEMA 1
ACCESSORIES

PANEL No. L2E

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

LOCATION 2ND FLOOR ELECT RM
MOUNTING SURFACE
DRAWING No.

WIRE	COND	DESCRIPTION	ØA	ØB	ØC	POLE	A	CKT. NO	CKT. NO	POLE	A	ØA	ØB	ØC	DESCRIPTION	COND	WIRE
		SPARE				1	20	1	2	1	20	720			RECEPTS 2ND FLR	3/4	3#12, 1#12G
		SPARE				1	20	3	4	1	20		720		RECEPTS 2ND FLR		
		SPARE				1	20	5	6	1	20			720	RECEPTS 2ND FLR		
		SPARE				1	20	7	8	1	20	720			RECEPTS 2ND FLR	3/4	4#12, 1#12G
		SPARE				1	20	9	10	1	20		540		RECEPTS 2ND FLR		
		SPARE				1	20	11	12	1	20			360	TMB RECEPT	3/4	3#12, 1#12G
		SPARE				1	20	13	14	1	20	360			TMB RECEPT		
		SPARE				1	20	15	16	1	20		500		HEAT TAPE	3/4	2#10, 1#10G *
		SPARE				1	20	17	18	1	20			500	HEAT TAPE	3/4	2#10, 1#10G *
		SPACE						19	20	1	20	1056			UH 2@ 1/6HP	3/4	2#12, 1#12G
		SPACE						21	22	1	20		1056		UH 2@ 1/6HP	3/4	2#12, 1#12G
		SPACE						23	24	1	20			540	ELECT RM RECEPT	3/4	2#12, 1#12G
		SPACE						25	26	1	20				SPARE		
		SPACE						27	28	1	20				SPARE		
		SPACE						29	30	1	20				SPARE		
		SPACE						31	32	1	20				SPARE		
		SPACE						33	34	1	20				SPARE		
		SPACE						35	36	1	20				SPARE		
		SPACE						37	38			2436			PANEL LPE		
		SPACE						39	40	3	50		2524			1	4#6, 1#8G
		SPACE						41	42					1984			
		TOTAL 1	0	0	0				TOTAL	2		5292	5340	4104			
		TOTAL 2	5292	5340	4104												
		TOTAL 1 + 2	5292	5340	4104												

CONN. LOAD TOTAL 14736
AMPERES 41
ØB AMPERES 45
* HEAT TAPE BRKRS TO BE GFCI W/30 MILLIAMP TRIP

MAIN BREAKER 150A/3P
FEEDER ENTRANCE BOTTOM
FEEDER SIZE 4#1/0, #6G
SOURCE 45 KVA
PANEL TYPE BOLT ON

MAIN LUGS NA
ENCLOSURE TYPE NEMA 1
ACCESSORIES

PANEL No. LPE

BUS 100
PANEL RATING 10 KAIC
SUPPLY VOLTAGE 208Y/120
SERVICE 3Ø-4W

LOCATION PENTHOUSE
MOUNTING SURFACE
DRAWING No.

WIRE	COND	DESCRIPTION	ØA	ØB	ØC	POLE	A	CKT. NO	CKT. NO	POLE	A	ØA	ØB	ØC	DESCRIPTION	COND	WIRE
2#12, 1#12G	3/4	PENTHOUSE RECEPTS	1080			1	20	1	2						SPACE		
2#12, 1#12G	3/4	MOD PWR		300		1	20	3	4						SPACE		
2#12, 1#12G	3/4	MOD PWR			300	1	20	5	6						SPACE		
						1	20	7	8						SPACE		
2#12, 1#12G	3/4	STAIRWELL RECEPTS		1080		1	20	9	10						SPACE		
2#12, 1#12G	3/4	PENTHOUSE RECEPTS			540	1	20	11	12						SPACE		
2#12, 1#12G	3/4	COOLING TOUR RECEPT	180			1	20	13	14						SPACE		
2#12, 1#12G	3/4	CC–1 11FLA		1144		2	20	15	16						SPACE		
		SPARE			1144			17	18						SPACE		
								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 1	2436	2524	1984				TOTAL	2		0	0	0			
		TOTAL 2	0	0	0												
		TOTAL 1 + 2	2436	2524	1984												

CONN. LOAD TOTAL 6944
AMPERES 19
ØB AMPERES 21

MAIN BREAKER NA
FEEDER ENTRANCE BOTTOM
FEEDER SIZE 4#6, 1#8G
SOURCE PNL L2E
PANEL TYPE BOLT ON

MAIN LUGS 100 AMPS
ENCLOSURE TYPE NEMA 1
ACCESSORIES

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REVIS'N	DESCRIPTION	DRAWN	CHECKED	APPR'VD	DATE
0	BID SUBMITTAL	CEJ			FEB. 29, 2004
1	CONSTRUCTION SET	CEJ	WRH	CBT	APR. 22, 2004

Dufresne-Henry
Portland, Maine
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www.dufresne-henry.com

STATE OF MAINE — COLIN B. TAYLOR — 4592 — REGISTERED PROFESSIONAL ENGINEER

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

ELECTRICAL PANEL SCHEDULES

SCALE : AS NOTED
DATE : JUNE 2002
DESIGNED: WRH
DRAWN : BVD
CHECKED: WRH
APPROVED:

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

PROJ. 8100063
SHT OF
SHEET NO.
E8