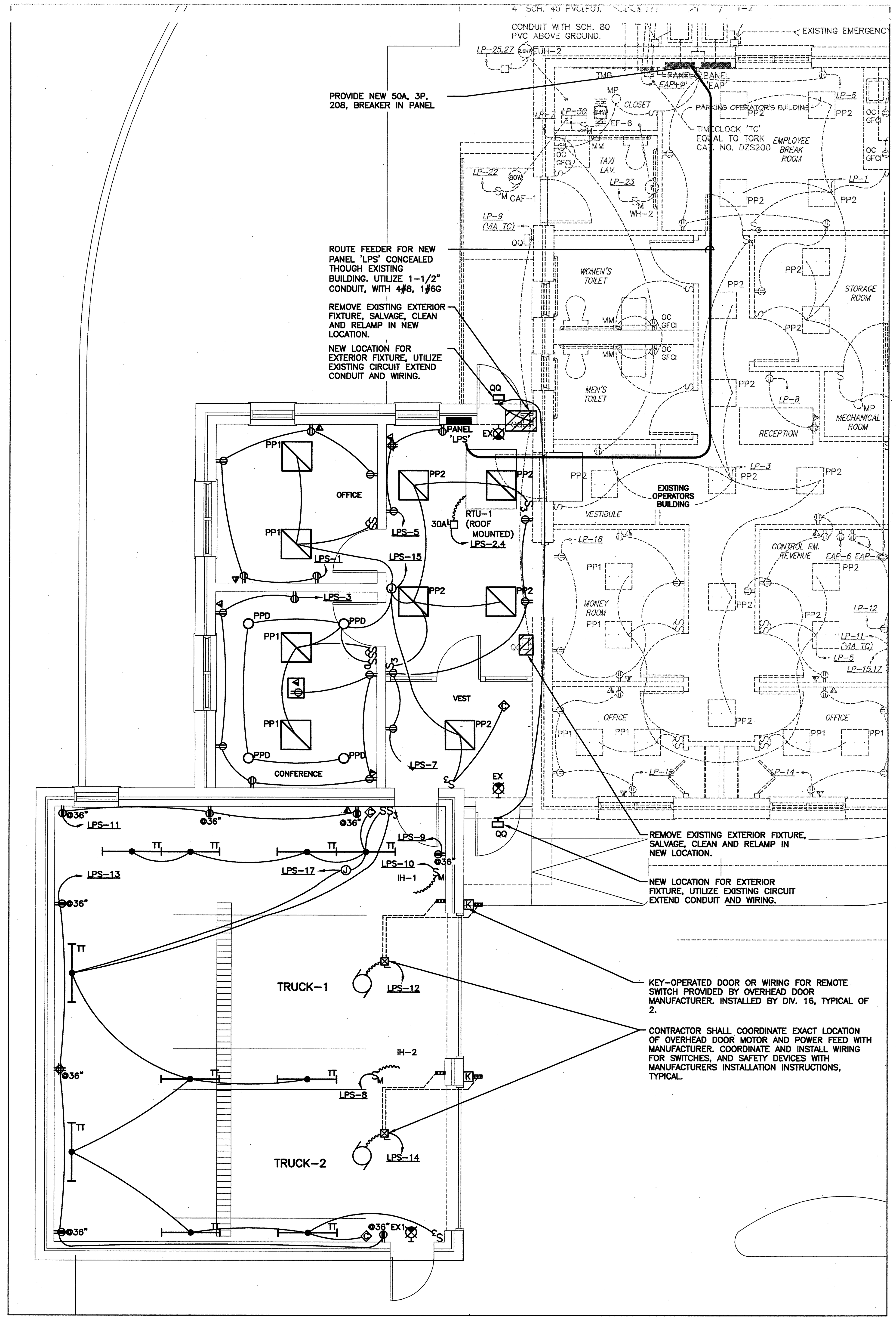
1/16"=1' 5 0 10 20 30 40ft 1/8"=1' 5 0 5 10 15 20ft 1/4"=1' 2 0 2 4 6 8 10ft 1/2"=1' 1 0 1 2 3 4 5ft 3/4"=1' 1 0 1 2 3ft 1"=1' 1 0 1 2ft 1 1/2"=1' 0 1 2ft 3"=1' 0 1ft

If this sheet is less than 30"x42" in size, it has been reduced. Graphic scales must be adjusted accordingly.



OPERATORS BUILDING ADDITION – ELECTRICAL PLAN

SCALE: 1/4" = 1'-0"

PANEL No. [illegible] (EXISTING PANEL)

BUS 225A
PANEL RATING 22 KAIC
SUPPLY VOLTAGE 208Y/120V
SERVICE 3Ø, 4W

LOCATION PARKING OPERATOR'S BUILDING–BREAK RM
MOUNTING FLUSH
DRAWING No.

WIRE	COND	DESCRIPTION	ØA	ØB	ØC	POLE	A	CKT. NO	BUS CONN	CKT. NO	POLE	A	ØA	ØB	ØC	DESCRIPTION	COND	WIRE
2#12, 1#12 G	3/4"	LIGHTING	512			1	20	1	x	2	1	20	180			RECEPTACLES	3/4"	2#12, 1#12G
2#12, 1#12 G	3/4"	LIGHTING		448		1	20	3	x	4	1	20		180		RECEPTACLES	3/4"	2#12, 1#12G
2#12, 1#12 G	3/4"	LIGHTING			704	1	20	5	x	6	1	20			1080	RECEPTACLES	3/4"	2#12, 1#12G
2#12, 1#12 G	3/4"	LIGHTING & RECEPTACLES	944			1	20	7	x	8	1	20	540			RECEPTACLES	3/4"	2#12, 1#12G
2#12, 1#12 G	3/4"	LIGHTING		296		1	20	9	x	10	1	20		720		RECEPTACLES	3/4"	2#12, 1#12G
2#12, 1#12 G	3/4"	LIGHTING			752	1	20	11	x	12	1	20			1260	RECEPTACLES	3/4"	2#12, 1#12G
2#12, 1#12 G	3/4"	MECH – EF-6	84			1	15	13	x	14	1	20	720			RECEPTACLES	3/4"	2#12, 1#12G
*3#6, 1#6G	1-1/4"	PARKING ATTENDANT		3000		2	60*	15	x	16	1	20		720		RECEPTACLES	3/4"	2#12, 1#12G
		BOOTH			3000			17	x	18	1	20			900	RECEPTACLES	3/4"	2#12, 1#12G
2#10, 1#10G	3/4"	CONTROL GATE #4	2500			1	20	19	x	20	1	20	180			RECEPTACLE (ROOF)	3/4"	2#12, 1#12G
2#10, 1#10G	3/4"	CONTROL GATE #5		2500		1	20	21	x	22	1	15		80W		MECH – CAF-1 (80W)	3/4"	2#12, 1#12G
2#12, 1#12 G	3/4"	MECH – WH – 2			100	1	15	23	x	24					2146			
2#12, 1#12 G	3/4"	MECH – EUH-2 (2.6KW)	1300			2	30	25	x	26	3	50	2146			MECH – RTU-2	1"	3#6, 1#6G
				1300				27	x	28				2146				
2#12, 1#12G	3/4"	SPRINKLER ALARM			300	1	20	29	x	30	1	20						
2#10, 1#10G	3/4"	EXISTING				1	20	31	x	32	1	20				SPARE		
2#10, 1#10G	3/4"	EXISTING				1	20	33	x	34	1	20				SPARE		
					3188			35	x	36	1	20				SPARE		
4#6, 1#6G	**1-1/2"**	**NEW SUB PANEL 'LPS'**	**4731**			**3**	**50**	37	x	38	1	20				SPARE		
				3191				39	x	40	1	20				SPARE		
		SPACE						41	x	42	1	20				SPARE		
		TOTAL 1	9987	10735	8044					TOTAL 2			3766	3766	5470			
		TOTAL 2	3766	3766	5470													
		TOTAL 1 + 2	13753	14501	13514													
		CONN. LOAD TOTAL	41768															
		AMPERES	116															

*BOLD INDICATES NEW CIRCUITS IN EXISTING PANEL
*VERIFY POWER REQUIREMENTS

MAIN BREAKER 150A
FEEDER ENTRANCE BOTTOM
FEEDER SIZE SEE FLOOR PLAN
SOURCE UTILITY XFMR
PANEL TYPE BOLT-ON

MAIN LUGS N/A
ENCLOSURE TYPE NEMA 1
ACCESSORIES

PANEL No. EAP (EXISTING PANEL)

BUS 100A
PANEL RATING 22 KAIC
SUPPLY VOLTAGE 208Y/120V
SERVICE 3Ø, 4 WIRE

LOCATION PARKING OPERATOR'S BUILDING–BREAK RM
MOUNTING FLUSH
DRAWING No.

WIRE	COND	DESCRIPTION	ØA	ØB	ØC	POLE	A	CKT. NO	BUS CONN	CKT. NO	POLE	A	ØA	ØB	ØC	DESCRIPTION	COND	WIRE
2#12, 1#12G	3/4"	CONTROL GATE, DETAIL A,E4-1	2500			1	30	1	x	2	1	20	180			RECP – CASHIER	3/4"	2#12, 1#12G
2#12, 1#12G	3/4"	CONTROL GATE, NO. 1		2500		1	30	3	x	4	1	20		180		RECP – CONTROL RM REVENUE	3/4"	2#12, 1#12G
2#12, 1#12G	3/4"	CONTROL GATE, NO. 2			2500	1	30	5	x	6	1	20			180	RECP – CONTROL RM REVENUE	3/4"	2#12, 1#12G
2#12, 1#12G	3/4"	CONTROL GATE, NO. 3	2500			1	30	7	x	8	1	20				SPARE		
2#12, 1#12G	3/4"	CONTROL GATE, DETAIL M,E1-9		2500		1	30	9	x	10	1	20				SPARE		
2#12, 1#12G	3/4"	CONTROL GATE, DETAIL N,E1-9			2500	1	30	11	x	12	1	20				SPARE		
		SPARE				1	20	13	x	14	1	20				SPARE		
		SPARE				1	20	15	x	16	1	20				SPARE		
		SPARE				1	20	17	x	18	1	20				SPARE		
		TOTAL 1	5000	5000	5000					TOTAL 2			180	180	180			
		TOTAL 2	180	180	180													
		TOTAL 1 + 2	5180	5180	5180													
		CONN. LOAD TOTAL	15540															
		AMPERES	43															

MAIN BREAKER 50A
FEEDER ENTRANCE BOTTOM/TOP
FEEDER SIZE SEE ONE-LINE DIAGRAM
SOURCE SEE ONE-LINE DIAGRAM
PANEL TYPE BOLT-ON

MAIN LUGS N/A
ENCLOSURE TYPE NEMA 1
ACCESSORIES

PANEL No. LPS (NEW PANEL)

BUS 100A
PANEL RATING 10 KAIC
SUPPLY VOLTAGE 208Y/120V
SERVICE 3 PHASE, 4 WIRE

LOCATION OPEN ROOM
MOUNTING FLUSH
DRAWING No.

WIRE	COND	DESCRIPTION	ØA	ØB	ØC	POLE	A	CKT. NO	BUS CONN	CKT. NO	POLE	A	ØA	ØB	ØC	DESCRIPTION	COND	WIRE
2#12, 1#12G	3/4"	RECP – OFFICE	900			1	20	1	x	2	2	20	843			MECH – RTU-1	3/4"	3#10, 1#10G
2#12, 1#12G	3/4"	RECP – CONFERENCE		1260		1	20	3	x	4				843				
2#12, 1#12G	3/4"	RECP – OPEN AREA			720	1	20	5	x	6	1	20			180	RECP – ROOF	3/4"	2#12, 1#12G
2#12, 1#12G	3/4"	RECP – OPEN AREA	720			1	20	7	x	8	1	20	132			MECH – IH-2	3/4"	2#12, 1#12G
2#12, 1#12G	3/4"	RECP – TRUCK		180		1	20	9	x	10	1	20		132		MECH – IH-1	3/4"	2#12, 1#12G
2#12, 1#12G	3/4"	RECP – TRUCK SIDE AREA			540	1	20	11	x	12	1	20			1236	EQUIP – OH DOOR – 1	3/4"	2#10, 1#10G
2#12, 1#12G	3/4"	RECP – TRUCK 1 & 2	900			1	20	13	x	14	1	20	1236			EQUIP – OH DOOR – 2	3/4"	2#10, 1#10G
2#12, 1#12G	3/4"	LTS – OFFICE AREA		776		1	20	15	x	16	1	20				SPARE		
2#12, 1#12G	3/4"	LTS – TRUCK			512	1	20	17	x	18	1	20				SPARE		
2#12, 1#12G	3/4"	SPARE				1	20	19	x	20	1	30				SPARE		
		SPARE				1	20	21	x	22	1	30				SPARE		
		SPARE				1	20	23	x	24	1	20				SPARE		
		TOTAL 1	2520	2216	1772					TOTAL 2			2211	975	1416			
		TOTAL 2	2211	975	1416													
		TOTAL 1 + 2	4731	3191	3188													
		CONN. LOAD TOTAL	11110															
		AMPERES	31															

MAIN BREAKER 50A
FEEDER ENTRANCE TOP/BOTTOM
FEEDER SIZE SEE PANEL 'LP'
SOURCE PANEL 'LP'
PANEL TYPE BOLT-ON

MAIN LUGS N/A
ENCLOSURE TYPE NEMA 1
ACCESSORIES

LIGHTING FIXTURE SCHEDULE

TYPE	LOCATION / USE	MANUFACTURER	CATALOG NUMBER	TYPE	COLOR	MOUNTING	VOLTAGE	LAMPS	REMARKS	TOTAL WATTS
EX1	EXIT SIGN, WP, WALL MOUNTED	LIITHONIA	LV S AB 1 R 120 WL	LED	ALUM.	WALL	120	LED	WET LOCATION	2.2
EX	EXIT SIGN, WALL MOUNTED	LIITHONIA	LE S 1 R 120	LED	ALUM.	WALL	120	LED		1.2
PP1	RECESSED 2' X 2' PARABOLIC, 3 LAMP	METALUX	2EP3GX3U1-5/8-S-33I-120-EB82	FLUOR	N/A	RECESSED	120	(3) U1-5/8		94
PP2	RECESSED 2' X 2' PARABOLIC, 2 LAMP	METALUX	2EP3GX2U1-5/8-S-33-120-EB81	FLUOR	N/A	RECESSED	120	(2) U1-5/8		64
PPD	CONFERENCE ROOM	PRESCOLITE	LF8INC-MW90PAR38-8V-PL-WP	INCAN	WHITE	RECESSED	120			
QQ	EXTERIOR ENTRY, RAMP	MCPHILBEN	102 WT 50MH 120___ PCB	MH	NOTE 1	WALL	120	(1) 50W MH	WITH PHOTO CELL	72
TT	TRUCK SHED	COOPER	VT2-2T8-LEX-120-ER81-WL	FLUOR	WHITE	PENDANT	120	(2) F32T8/35K		64
EM	EMERGENCY LIGHTING FIXTURE	LITHONIA	ELT24-N-H1212	HAL	NOTE 1	WALL	120	(2)12W		12

NOTES:

1. ROUTE DATA AND TELEPHONE CONDUITS IN NEW ADDITION BACK TO TMB IN EXISTING CLOSET.
2. ADDITION DOES NOT REQUIRE A FIRE DETECTION SYSTEM.

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CONFORMED SET FOR FIELD USE

CITY OF PORTLAND
PORTLAND, MAINE

DEPARTMENT OF WATERFRONT AND TRANSPORTATION

PORTLAND INTERNATIONAL JETPORT

PHASE II
PARKING GARAGE

1001 WESTBROOK ST., PORTLAND, MAINE

No.	Date	Revision

Title
OPERATORS BUILDING ELECTRICAL PLAN

Scale AS SHOWN

STATE OF MAINE — LICENSED PROFESSIONAL ENGINEER

File Name
Drawn By MLC
Checked By WRH
Job No. 195210126
Date 02/25/08
Drawing No. E2-1