

DIRECTORY	KVA LOAD			CKT #	BRK AMPS	PHASE	BRK AMPS	CKT #	KVA LOAD			DIRECTORY
	A	B	C						A	B	C	
HEAT PUMP	*			1	20	A	20	2	0.6			MOTHER RM, STORAGE, FILE RM RECEPTS.
		*		3	20	B	20	4	0.4			BLD TEL/DATA RECEPT.
MEETING RECEPTS.			1.0	5	20	C	20	6			0.4	BLD TEL/DATA RECEPT.
MANAGER RECEPTS.	0.8			7	20	A	20	8	0.6			KITCHEN COUNTER RECEPTS
PRESIDENT, SALES, MGR RECEPTS.		1.6		9	20	B	20	10		0.4		MICROWAVE RECEPTS
LENDER OFFICE, CORR. RECEPTS.			1.0	11	20	C	20	12		*		SPARE
SPARE	*			13	20	A	20	14	0.8			REFRIGERATOR RECEPT.
SPARE		*		15	20	B	20	16	1.0			MICROWAVE RECEPT.
SPARE			*	17	20	C	20	18		0.2		COUNTERTOP RECEPT.
SPARE	*			19	20	A	20	20	0.6			SBA SALES MGR
SPARE		*		21	20	B	20	22		1.1		ENTRY, ATM CLOS., SPRINKLR, BANK BRANCH, CSR LTS
SPARE			*	23	20	C	20	24		1.0		BANK BRANCH, CASH RM, MANAGER, INFORMAL MTG LTS
SUBTOTAL	0.8	1.6	2.0						2.6	2.9	1.6	SUBTOTAL
VOLTAGE: 208Y/120V PHASE: 3 POLES: 4			TOTAL KVA A-PHASE			3.6			PANEL			L1B
MAIN LUGS ONLY BUS AMPS: 100A			TOTAL KVA B-PHASE			4.5			LOCATION			CLOSET
MOUNTING: SURFACE			TOTAL KVA C-PHASE			3.6			TOTAL KVA			11.7
SHORT CIRCUIT RATING: *KAIC			TOTAL KVA			11.7			NOTES: FURNISH NEW SQUARE D NOOD CIRCUIT BREAKERS AT SAME KAIC RATING AS EXISTING CIRCUIT BREAKERS.			

DIRECTORY	KVA LOAD			CKT #	BRK AMPS	PHASE	BRK AMPS	CKT #	KVA LOAD			DIRECTORY
	A	B	C						A	B	C	
BANK BRANCH COUNTER RECEPTS.	0.8			1	30	A	20	2	1.0			OPEN OFFICE RECEPTS.
CASH RECYCLER RECEPT.		1.0		3	20	B	20	4	0.6			CORRIDOR RECEPTS.
BANK BRANCH RECEPT.			0.2	5	20	C	20	6		0.8		SMALL CONF. RM RECEPTS.
CSR OFFICE RECEPTS	0.8			7	20	A	20	8	0.6			WATER COOLER RECEPT.
SERVER ROOM RECEPT.		0.4		9	20	B	20	10		0.4		OPEN OFFICE CUBICLE RECEPTS.
SERVER ROOM RECEPT.			0.4	11	20	C	20	12		0.4		OPEN OFFICE CUBICLE RECEPTS.
COPIER	1.2			13	20	A	20	14	0.6			OPEN OFFICE CUBICLE RECEPTS.
SPARE		*		15	20	B	20	16	0.6			OPEN OFFICE CUBICLE RECEPTS.
SPARE			*	17	20	C	20	18		0.6		OPEN OFFICE CUBICLE RECEPTS.
SPARE	*			19	20	A	20	20	0.6			OPEN OFFICE CUBICLE RECEPTS.
SPARE		*		21	20	B	20	22		0.6		OPEN OFFICE CUBICLE RECEPTS.
SPARE			*	23	20	C	20/20	24		0.6		OPEN OFFICE CUBICLE RECEPTS.
SUBTOTAL	2.8	1.4	0.6						2.8	2.2	2.4	SUBTOTAL
VOLTAGE: 208Y/120V PHASE: 3 POLES: 4			TOTAL KVA A-PHASE			5.6			PANEL			L1A
MAIN LUGS ONLY BUS AMPS: 100A			TOTAL KVA B-PHASE			3.6			LOCATION			CLOSET
MOUNTING: SURFACE			TOTAL KVA C-PHASE			3.0			TOTAL KVA			12.2
SHORT CIRCUIT RATING: *KAIC			TOTAL KVA			12.2			NOTES: FURNISH NEW SQUARE D NOOD CIRCUIT BREAKERS AT SAME KAIC RATING AS EXISTING CIRCUIT BREAKERS.			

NOTES:

1. SEE E0.0 FOR LEGEND, ABBREVIATIONS AND GENERAL NOTES.

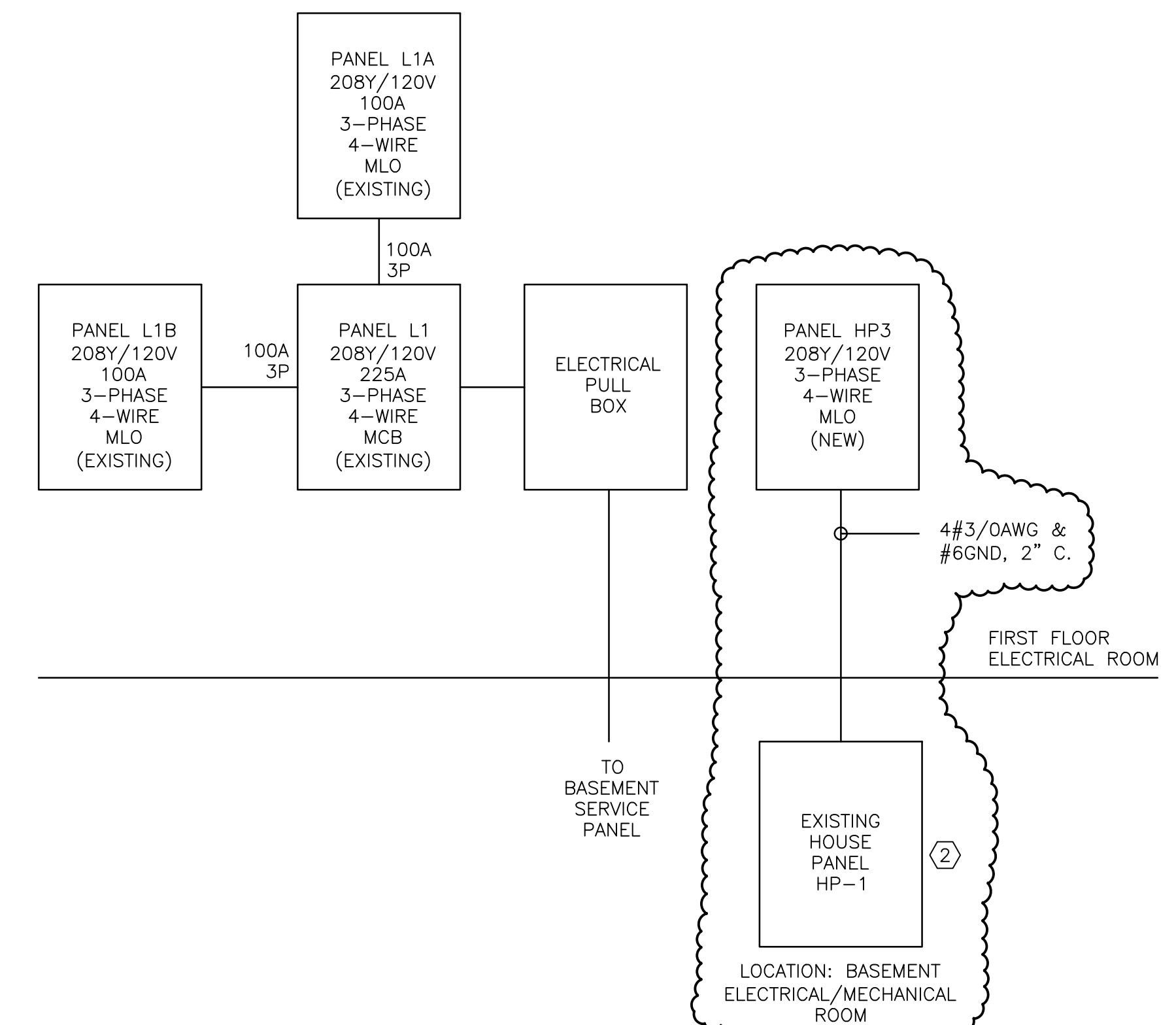
KEYED NOTES:

① REPLACE EXISTING DUAL CIRCUIT BREAKER WITH A NEW SQUARE D NOOD CIRCUIT BREAKER SAME KAIC RATING AS EXISTING CIRCUIT BREAKER.

② FURNISH NEW 200A 3-POLE BREAKER IN EMPTY LOCATION OF EXISTING HOUSE PANEL HP-1 TO SERVE NEW PANEL HP-3, SQUARE D MODEL#: JDA36200. MATCH 25KAIC @ 208V AC RATING OF EXISTING BREAKERS

DIRECTORY	KVA LOAD			CKT #	BRK AMPS	PHASE	BRK AMPS	CKT #	KVA LOAD			DIRECTORY
	A	B	C						A	B	C	
MEN, WOMEN RECEPTS.	0.4			21	20	A	20	22	1.4			OPEN OFFICE LTS
MORTG LENDER RECEPTS.		1.2		23	20	B	20	24	1.5			MEN, WOMEN, MTG LENDER, SWING SPACE, CONF. RM LTS
SWING SPACE RECEPTS.			1.2	25	20	C	20	26		1.3		SM CONF. CORR. COM. LNDR, MTHRS RM, BLD TEL/DATA LTS
HANDICAP FRONT DOOR	*			27	20	A	20	28	0.9			SERVER RM, HALLWAY, RECEPTION, COATS, TOILET LTS
SWING SPACE RECEPTS.		0.6		29	20	B	20	30	0.4			WORK ROOM RECEPTS.
CONFERENCE RECEPTS.			1.2	31	20	C	20	32		1.2		WORK ROOM SHREDDER
CONFERENCE RECEPTS.	1.8			33	20	A	20	34	1.2			WORK ROOM COPIER
RECEPTION RECEPTS.		1.2		35	20	B	20	36	0.4			BANK BRANCH RECEPTS.
TOILET RECEPT.			0.2	37	20	C	20	38		1.2		ATM MACHINE RECEPT.
HUMAN RESOURCES, CAFE RECEPTS.	0.8			39	20	A	20	40	0.6			ATM WALL & CORR. RECEPTS.
COMM LENDER RECEPTS.		1.2		41	20	B	20	42	0.2			SPRINKLER SERVICE RECEPT.
SPARE		*		43	20	C	20	44		0.6		CASH ROOM RECEPT.
SPARE	*			45	20	A	20	46	0.4			CASH ROOM RECEPT.
SPARE		*		47	20	B	20	48		1.0		DOOR OPERATOR
SPARE			*	49	20	C	20	50		1.0		COUNTER RECEPTS
PANEL L1A	4.4			51		A		52	3.6			PANEL L1B
		3.6		53	100	B	100	54		4.5		
			3.0	55		C		56		3.6		
SECURITY PANEL	1.0			57	20	A	20	58	0.2			DOOR HOLDERS
SPARE		*		59	20	B	20	60		*		SPARE
SPARE			*	61	20	C	20	62		*		SPARE
SUBTOTAL	4.0	7.8	5.6						8.7	8.0	9.3	SUBTOTAL
VOLTAGE: 208Y/120V PHASE: 3 POLES: 4			TOTAL KVA A-PHASE			12.7			PANEL			L1
MAIN BREAKER: 225A BUS AMPS: 225A			TOTAL KVA B-PHASE			15.8			LOCATION			CLOSET
MOUNTING: SURFACE			TOTAL KVA C-PHASE			14.9			TOTAL KVA			43.4
SHORT CIRCUIT RATING: *KAIC			TOTAL KVA			43.4			NOTES: FURNISH NEW SQUARE D NOOD CIRCUIT BREAKERS AT SAME KAIC RATING AS EXISTING CIRCUIT BREAKERS.			

DIRECTORY	KVA LOAD			CKT #	BRK AMPS	PHASE	BRK AMPS	CKT #	KVA LOAD			DIRECTORY
	A	B	C						A	B	C	
HP-17(HACR)	0.7			1	15	A	35	2	1.8			HP-33(HACR)
		0.7		3		B		4		1.8		
			2.0	5		C		6			2.4	HP-34(HACR)
HP-18(HACR)	2.0			7	35	A	45	8	2.4			
		3.6		9		B		10		1.7		HP-35(HACR)
HP-19(HACR)			3.6	11	60	C	30	12			1.7	
	3.6			13		A		14	1.8			HP-36(HACR)
HP-31(HACR)		3.6		15	60	B	35	16		1.8		
			2.0	17		C		18		*		SPARE
HP-32(HACR)	2.0			19	35	A	20	20	*			SPARE
SPARE		*		21	20	B	20	22		*		SPARE
SPARE			*	23	20	C	20	24		*		SPARE
SPARE	*			25	20	A	20	26	*			SPARE
SPARE		*		27	20	B	20	28	*			SPARE
SPARE			*	29	20	C	20	30		*		SPARE
SUBTOTAL	8.3	7.9	7.6						6.0	5.3	4.1	SUBTOTAL
VOLTAGE: 208Y/120V PHASE: 3 POLES: 4			TOTAL KVA A-PHASE			14.3			PANEL			HP3
MAIN LUGS ONLY BUS AMPS: 200A			TOTAL KVA B-PHASE			13.2			LOCATION			FIRST FLOOR
MOUNTING: SURFACE			TOTAL KVA C-PHASE			11.7			TOTAL KVA			39.2
SHORT CIRCUIT RATING: 25KAIC			TOTAL KVA			39.2			NOTES: FED FROM HOUSE PANEL IN BASEMENT. FURNISH HACR BREAKERS FOR HEAT PUMP CIRCUITS.			



1 ELECTRICAL RISER DIAGRAM
SCALE: NOT TO SCALE

FINAL BID SET
FEBRUARY 4, 2015



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Portland
Branch
27 Pearl Street
1st Floor Tenant
Space
Portland, Maine

ISSUED FOR REVIEW
NOT FOR CONSTRUCTION
January 30th, 2015

ELECTRICAL PANEL SCHEDULES &
ONE-LINE DIAGRAM

Scale: As Noted

E1.1