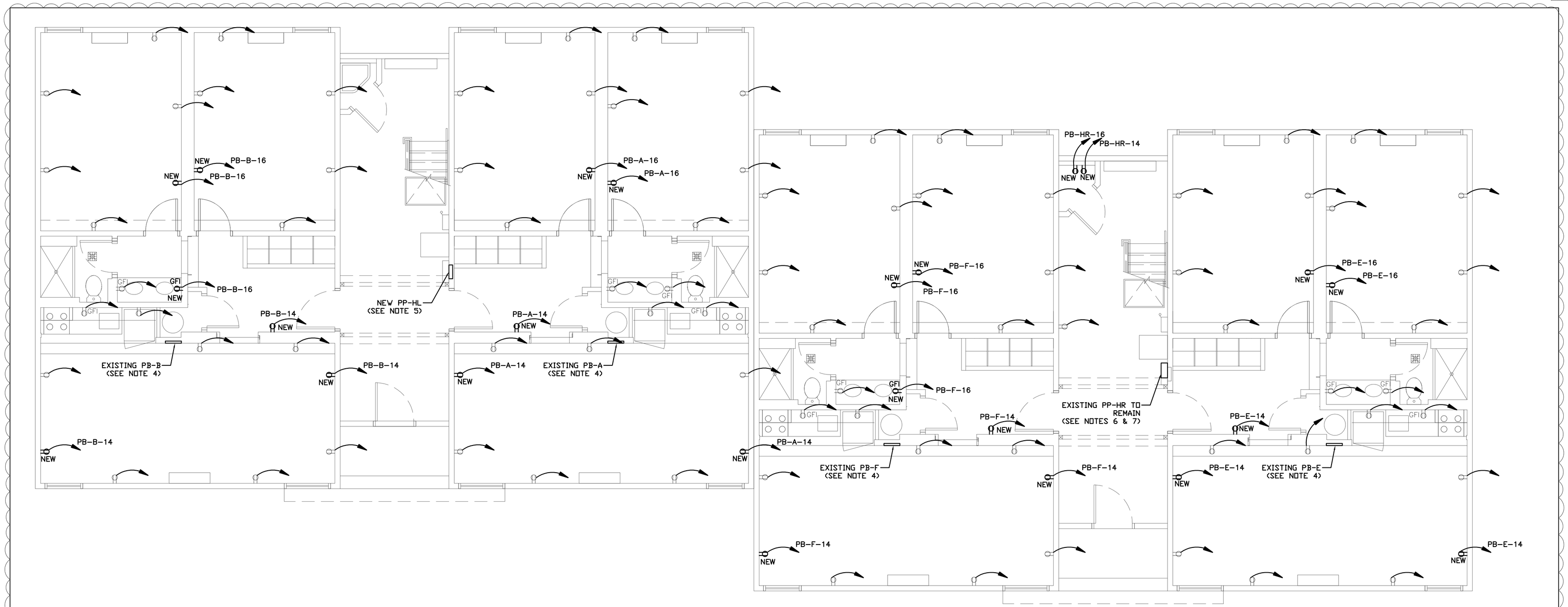

1 FIRST FLOOR POWER PLAN
1/4" = 1' - 0"

NORTH

NOTES:

1. ALL ELECTRICAL DEVICES SHOWN ARE EXISTING TO BE REPLACED WITH NEW DEVICES, UNLESS OTHERWISE NOTED "NEW" ON PLANS AND/OR IN LIGHTING FIXTURE SCHEDULE. CONTRACTOR TO PROVIDE AND INSTALL NEW BACK BOXES, FACE PLATES, AND ALL OTHER ASSOCIATED HARDWARE FOR ALL NEW ELECTRICAL DEVICES; COORDINATE FINISHES WITH THE ARCHITECT.
2. INSTALL NEW WIRING TO EXISTING ELECTRICAL DEVICES TO BE REPLACED FROM THEIR EXISTING TENANT PANELBOARD CIRCUITS. MATCH EXISTING WIRING SIZE; MINIMUM WIRING SIZE SHALL NOT BE SMALLER THAN #12 AWG.
3. INSTALL NEW WIRING TO PROPOSED LIGHTING FIXTURES FROM NEW LIGHT SWITCHES.
4. INSTALL TWO (2) NEW MOLDED-CASE CIRCUIT BREAKERS, 240VAC, 20A, 1-POLE IN EXISTING APARTMENT PANELBOARD SPACES 14 & 16; MATCH EXISTING KAIC RATING.
5. REPLACE EXISTING 200A, 3-PHASE, 208/120VAC PANELBOARD AS SHOWN, REUSE EXISTING WIRING AND CONDUITS. INSTALL A NEW CUSTOMER METERING, SIMILAR TO E-MOND-MON MODEL NUMBER E50-208200-R01KIT-05. REFER TO PANELBOARD SCHEDULE FOR MORE INFORMATION.
6. INSTALL A NEW CUSTOMER METERING, SIMILAR TO E-MOND-MON MODEL NUMBER E50-208200-R01KIT-05 TO MONITOR INCOMING ELECTRICAL POWER TO THE PANELBOARD.
7. INSTALL TWO (2) NEW MOLDED-CASE CIRCUIT BREAKERS, 240VAC, 20A, 1-POLE IN EXISTING HOUSE PANELBOARD PP-HR, SPACES 14 & 16; MATCH EXISTING KAIC RATING.

NAME PP-HL — LOCATION CORRIDOR — MAIN BREAKER MLO
SYSTEM 208/120V. 3 PH 4 W. — BUS RATING 200A — AIC RATING 42KAIC

No.	CIR. BKR POLE	CIR. BKR TRIP	SERVICE TO	KVA	A	B	C	KVA	SERVICE TO	CIR. BKR TRIP	CIR. BKR POLE	No.
1				5	10.0			5				2
3	2	70	PB-A (EXISTING)	5		10.0		5	PB-B (EXISTING)	70	2	4
5				5			10.0	5				6
7	2	70	PB-C (EXISTING)	5	10.0			5	PB-D (EXISTING)	70	2	8
9	1	20	HEAT TRACE (EXISTING)	1		1.2		0.2	OUTSIDE GFI RECEPTACLE (EXISTING)	20	1	10
11	1	20	HEAT TRACE (EXISTING)	1			1.1	0.1	JANITOR CLOSET LIGHTING	20	1	12
13	1	20	SPARE						SPARE	20	1	14
15	1	20	SPARE						SPARE	20	1	16
17												18
19												20
21												22
23												24
25												26
27												28
29												30
					20.0	11.2	11.1					

TOTAL CONNECTED LOAD 42.3 KVA
117 AMPS

NOTES: PANELBOARD WITH CUSTOMER METERING, SIMILAR TO E-MOND-MON; MODEL NUMBER: E50-208200-R01KIT-05 TO MONITOR INCOMING ELECTRICAL POWER TO THE PANELBOARD.

2 PANELBOARD SCHEDULE
N.T.S.

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RAMAPO COLLEGE OF NEW JERSEY
"BUCKEYE" RESIDENCE INTERIOR RENOVATION
505 RAMAPO VALLEY ROAD, MAHWAH, NEW JERSEY

2	01/05/2015
1	12/02/2014
REVISION	DATE

DRAWING TITLE
FIRST FLOOR POWER PLAN & PANELBOARD SCHEDULE

DATE 11/12/2014
SCALE AS NOTED
DRAWN MO
CHECKED JFG
DRAWING # E-200

SHEET ____ of ____
DCA PROJECT # 9214-14