



# 1 FIRST FLOOR POWER PLAN

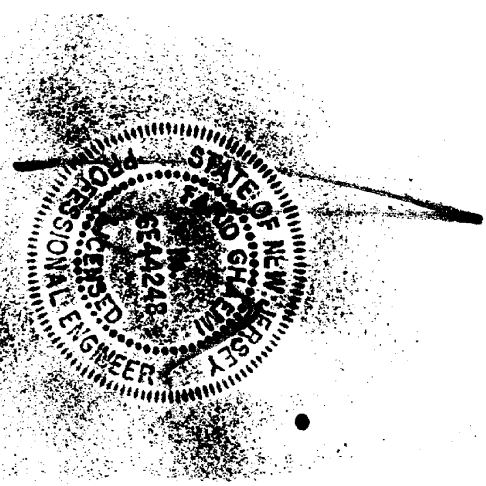


- NOTES:
1. ALL ELECTRICAL DEVICES SHOWN ARE EXISTING TO REMAIN, UNLESS OTHERWISE NOTED. "NEW" ON PLANS AND/OR IN LIGHTING FIXTURE SCHEDULE. CONTRACTOR TO PROVIDE AND INSTALL NEW FACE PLATES FOR ALL NEW AND EXISTING ELECTRICAL DEVICES. COORDINATE FINISHES WITH THE ARCHITECT.
  2. REUSE EXISTING WIRING TO EXISTING ELECTRICAL DEVICES TO REMAIN.
  3. REUSE EXISTING WIRING TO PROPOSED LIGHTING FIXTURES FROM EXISTING AND 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 KALC 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 TO MONITOR INCOMING ELECTRICAL POWER TO THE PANELBOARD. 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.

NAME		PB-1H	LOCATION		CORRIDOR			MAIN BREAKER		MLO
SYSTEM		208/120V, 3 PH, 4W	BUS RATING		200A			AIC RATING		42KAIC
CIR. BRK.		SERVICE TO		KVA		A		B		C
NO.		CIR. BRK.		KVA		A		B		C
1	2	70	PB-A (EXISTING)	5	10.0	5	10.0	5	10.0	5
3	2	70	PB-C (EXISTING)	5	10.0	5	10.0	5	10.0	5
7	2	70	PB-C (EXISTING)	5	10.0	5	10.0	5	10.0	5
9	1	20	HEAT TRACE (EXISTING)	1	1.2	1	1.2	1	1.2	1
11	1	20	HEAT TRACE (EXISTING)	1	1.2	1	1.2	1	1.2	1
13	1	20	SPARE	1	1.2	1	1.2	1	1.2	1
15	1	20	SPARE	1	1.2	1	1.2	1	1.2	1
17	1	20	SPARE	1	1.2	1	1.2	1	1.2	1
19	1	20	SPARE	1	1.2	1	1.2	1	1.2	1
21	1	20	SPARE	1	1.2	1	1.2	1	1.2	1
23	1	20	SPARE	1	1.2	1	1.2	1	1.2	1
25	1	20	SPARE	1	1.2	1	1.2	1	1.2	1
27	1	20	SPARE	1	1.2	1	1.2	1	1.2	1
29	1	20	SPARE	1	1.2	1	1.2	1	1.2	1
TOTAL CONNECTED LOAD				42.3	KVA	11.2	11.1	11.1	11.1	11.1
				117	AMPS					
NOTES: PANELBOARD WITH CUSTOMER METERING, SIMILAR TO E-MOND-MON, MODEL NUMBER E50-208200-R01KIT05 TO MONITOR INCOMING ELECTRICAL POWER TO THE PANELBOARD.										

## 2 PANELBOARD SCHEDULE

M.T.S.



GRANT ENGINEERING CONSULTANTS, LLC  
99 CARTERET STREET  
GLEN RIDGE, NJ 07028  
T: 732.740.7889  
F: 973.566.0123  
WWW.GRANTENGINEERING.ORG

FRANK GARDIN, PE, NJ LIC. NO. 24630424800

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

1 12/02/2014  
REVISION DATE  
DRAWING TITLE

FIRST FLOOR POWER PLAN &  
PANELBOARD SCHEDULE

DATE  
11/12/2014

SCALE  
AS NOTED

DRAWN  
MO

CHECKED  
JTG

DRAWING #

E-200

SHEET \_\_\_\_\_ of \_\_\_\_\_  
DCA PROJECT # 8214-14