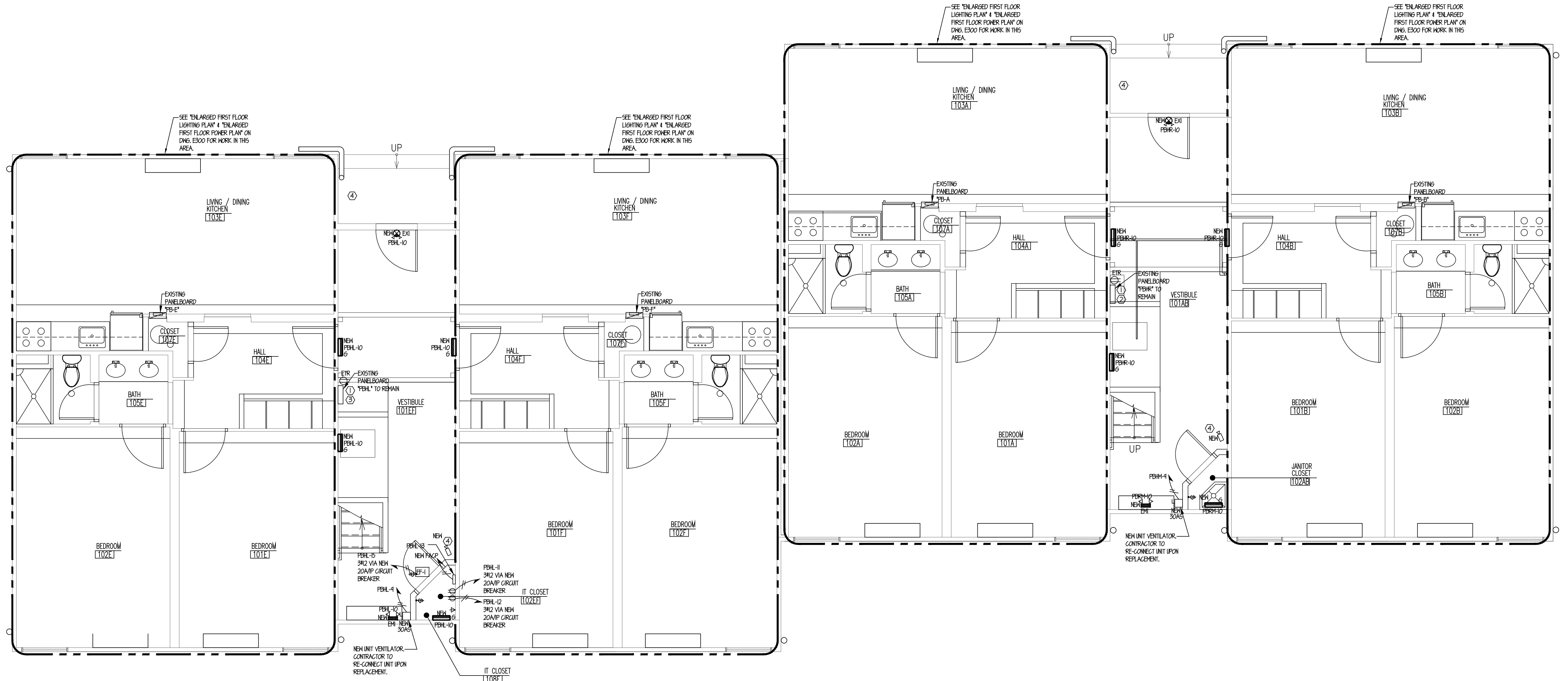


**CRAWL SPACE ELECTRICAL PLAN**  
SCALE: 1/4"=1'-0"



**FIRST FLOOR ELECTRICAL PLAN**  
SCALE: 1/4"=1'-0"

**LIGHTING NOTES:**

- WHERE EXISTING WIRING AND CIRCUITRY WHICH IS TO REMAIN IS LEFT EXPOSED BY DEMOLITION AND REMOVAL OF PARTITION AND/OR HANG CEILING, REROUTE SUCH WIRING TO MAINTAIN THE CIRCUIT CONTINUITY.
- WHERE EXISTING WIRING AND CIRCUITRY TO REMAIN IS LEFT SHUTTERED UP FROM FLOOR BY THE DEMOLITION AND REMOVAL OF PARTITIONS, REROUTE SUCH WIRING AS REQUIRED TO MAINTAIN CIRCUIT CONTINUITY AND CUT BACK CONDUIT BELOW TOP OF FINISHED SLAB TO PERMIT FATHOMING.
- WHERE EXISTING CIRCUITRY IS BEING UTILIZED FOR CONNECTION OF NEW LOAD OR BEING RETAINED FOR EXISTING LOADS AND SUCH CIRCUITRY IS NOT EXACTLY AS INDICATED ON PLANS, MAKE SUCH MODIFICATIONS AS MAY BE REQUIRED TO WIRING TO ACCOMPLISH THE DESIGN INTENT.
- WHERE EXISTING LIGHTING EQUIPMENT, WIRING, ETC. IS INDICATED AS REMAINING AND SUCH ITEMS INTERFERE WITH THE INSTALLATION OR THE DEMOLITION WORK OF OTHER TRADES, DISCONNECT, REMOVE, AND RELOCATE TO AVOID CONFLICTS. REINSTALL AND RECONNECT SUCH ITEMS AS REQUIRED.
- WHERE EXISTING FIXTURES ARE BEING REMOVED AND SUCH REMOVAL DISTURBS THE CIRCUITRY TO FIXTURES WHICH ARE TO REMAIN, PROVIDE ALL NECESSARY MODIFICATIONS AND ADDITIONS TO WIRING AS REQUIRED TO RETAIN SERVICE AND SWITCH CONTROL FOR REMAINING FIXTURES.
- NUMBERS INDICATED FOR BRANCH CIRCUITS ARE FOR GROUPING ONLY.
- ALL PANELBOARD DIRECTORIES ARE TO BE UPDATED FOR FUTURE REFERENCE.

**POWER PLAN NOTES:**

- WHERE EXISTING WIRING AND CIRCUITRY WHICH IS TO REMAIN IS LEFT EXPOSED BY DEMOLITION AND REMOVAL OF PARTITION AND/OR HANG CEILING, REROUTE SUCH WIRING TO MAINTAIN THE CIRCUIT CONTINUITY.
- WHERE EXISTING WIRING AND CIRCUITRY TO REMAIN IS LEFT SHUTTERED UP FROM FLOOR BY THE DEMOLITION AND REMOVAL OF PARTITIONS, REROUTE SUCH WIRING AS REQUIRED TO MAINTAIN CIRCUIT CONTINUITY AND CUT BACK CONDUIT BELOW TOP OF FINISHED SLAB TO PERMIT FATHOMING.
- WHERE EXISTING CIRCUITRY IS BEING UTILIZED FOR CONNECTION OF NEW LOAD OR BEING RETAINED FOR EXISTING LOADS AND SUCH CIRCUITRY IS NOT EXACTLY AS INDICATED ON PLANS, MAKE SUCH MODIFICATIONS AS MAY BE REQUIRED TO WIRING TO ACCOMPLISH THE DESIGN INTENT.
- WHERE EXISTING LIGHTING EQUIPMENT, WIRING, ETC. IS INDICATED AS REMAINING AND SUCH ITEMS INTERFERE WITH THE INSTALLATION OR THE DEMOLITION WORK OF OTHER TRADES, DISCONNECT, REMOVE, AND RELOCATE TO AVOID CONFLICTS. REINSTALL AND RECONNECT SUCH ITEMS AS REQUIRED.
- WHERE EXISTING FIXTURES ARE BEING REMOVED AND SUCH REMOVAL DISTURBS THE CIRCUITRY TO FIXTURES WHICH ARE TO REMAIN, PROVIDE ALL NECESSARY MODIFICATIONS AND ADDITIONS TO WIRING AS REQUIRED TO RETAIN SERVICE AND SWITCH CONTROL FOR REMAINING FIXTURES.
- NUMBERS INDICATED FOR BRANCH CIRCUITS ARE FOR GROUPING ONLY.
- ALL PANELBOARD DIRECTORIES ARE TO BE UPDATED FOR FUTURE REFERENCE.
- CONTRACTOR SHALL COORDINATE ALL DATA LOCATIONS, DEVICES, WIRING, EQUIPMENT, ETC. WITH COLLEGE PRIOR TO INSTALLATION FOR CONNECTION TO CAMPUS SYSTEM.

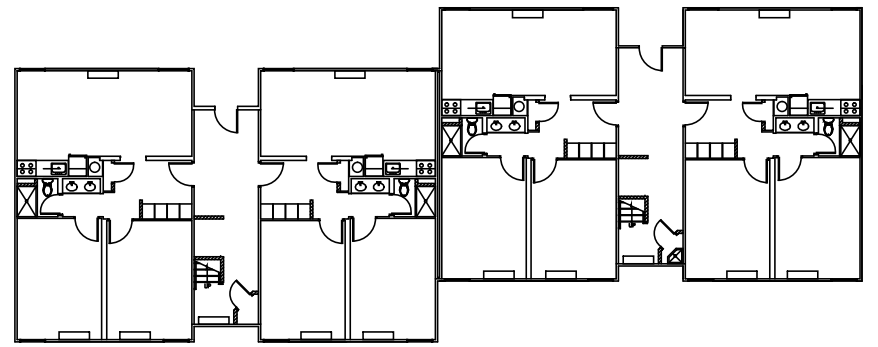
**KEY NOTES:**

- CONTRACTOR TO PROVIDE AND INSTALL NEW CUSTOMER SUB-METERING TO INCOMING ELECTRICAL POWER TO THE PANELBOARD. SUB-METERING TO BE SIMILAR TO MFR. E-MON-D-MON MODEL E50-20000-R00KT-05, OR OTHERWISE APPROVED EQUAL.
- CONTRACTOR TO PROVIDE AND INSTALL TWO (2) NEW HOLES-CLASE, 1/2" DIA. HOLES IN EXISTING CIRCUIT BREAKERS IN EXISTING PANELBOARD "PB", SPACES 15 AND 16.
- CONTRACTOR TO PROVIDE AND INSTALL FOUR (4) NEW HOLES-CLASE, 1/2" DIA. HOLES IN EXISTING CIRCUIT BREAKERS IN EXISTING PANELBOARD "PB", SPACES 11, 12, 13 AND 14.
- CONTRACTOR TO REMOVE AND RE-INSTALL EXISTING INTERIOR SECURITY CAMERA. RE-INSTALL EXISTING EXTERIOR SECURITY CAMERAS TO HAVE WIRING RUN INSIDE OF BUILDING AND REMOVE EXTERIOR CONDUIT. VERIFY ALL CAMERA LOCATIONS IN FIELD.

**Revisions**

Date	Issue	Description
06-03-15	1	ISSUED FOR CONSTRUCTION
11-16-15	2	REVISED PER NADCO ELECTRONIC STAMP

**Key Plan**



**Consultants**

**LINWOOD ENGINEERING ASSOCIATES, P.A.**

CONSULTING MECHANICAL & ELECTRICAL ENGINEERS

**LEA** 955 Lincoln Ave. 2001 Dupont Drive-Suite 150  
Glen Rock, New Jersey Irvine, California  
07452 92512  
t: 201.857.3998 t: 714.424.0001  
f: 201.857.3984 f: 714.424.0004  
www.linwoodengineering.com

**Project**

INTERIOR RENOVATIONS  
AT THE  
SCIENCE - H RESIDENCE

**RAMAPO COLLEGE**  
OF NEW JERSEY  
505 Ramapo Valley Road  
Mahwah, New Jersey 07430-1680

**Client**

**RAMAPO COLLEGE**  
OF NEW JERSEY  
505 Ramapo Valley Road  
Mahwah, New Jersey 07430-1680

**SNS** Architects & Engineers, PC  
1 PARAGON DRIVE, MONTVALE, NEW JERSEY, 07645  
tel: 201.573.1767 fax: 201.573.0808 www.sns-arch-eng.com

Fay W. Logan, AIA  
John M. Lignos, AIA  
Lorin J. Sonenshine, AIA  
Steven Napolitano, PE

**Michael T. Davina, P.E.**  
NJ #48654  
CT #0025779

**Robert J. Hatch, P.E.**  
AR #13868  
CA #E16118  
CT #15218  
FL #69560  
MA #48516  
NJ #35419  
NY #019975  
PA #56608

Cert./Lic. No. 02-03-15 Scale AS NOTED

Drawn By MD Checked By SG

Dwg. Title  
**ENLARGED FIRST & SECOND FLOOR ELECTRICAL PLANS**

Work Order No. 4698H Dwg. No. E200