

LIGHTING FIXTURE SCHEDULE

Table with columns: TYPE (NOTE #), DESCRIPTION, VOLTS, LAMPS NO., TYPE, MAX W., MOUNTING, MANU. / MODEL No. (OR APPROVED EQUAL). Includes rows A through X2 and SCHEDULE NOTES.

ELECTRICAL LEGEND

NOTES: 1. MOUNTING HEIGHTS SHALL BE TO THE CENTER OF THE DEVICE ABOVE FINISHED FLOOR UNLESS OTHERWISE NOTED. Includes symbols for switches, outlets, junction boxes, and wiring methods.

GENERAL ELECTRICAL NOTES

- 1. ALL WORK SHALL BE IN ACCORDANCE WITH THE 2012 NATIONAL ELECTRICAL CODE AND ALL LOCAL COUNTY CODES. WIRING METHODS SHALL BE IN ACCORDANCE WITH N.E.C., LOCAL CODES AND STANDARDS.
2. CONNECT EXIT LIGHTS AND EMERGENCY LIGHTS TO NON-SWITCHED PORTION OF NORMAL LIGHTING CIRCUIT IN EACH ROOM AHEAD OF SWITCH, RELAY AND OCCUPANCY SENSOR. CONNECT NIGHTS LIGHTS TO DEDICATED, NON SWITCHED CIRCUIT SHOWN.
3. ALL WIRING SHALL BE COPPER, #12 AWG MINIMUM, TYPE THHN/THWN-2 INSULATION, INSTALLED IN CONDUIT (3/4" MINIMUM). NO ROMEX OR BX CABLE PERMITTED. NO CABLE MAY BE USED ONLY FOR WORK ABOVE CEILINGS AND CONCEALED IN DRYWALL PARTITIONS.
4. ELECTRICAL CONTRACTOR SHALL VERIFY ALL VOLTAGES OF MECHANICAL EQUIPMENT WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
5. THE WIRE SIZE INDICATED IN THE HOMERUN SHALL BE USED THROUGHOUT THE CIRCUIT.
6. SEAL ALL CONDUIT AND CABLE PENETRATIONS THRU RATED WALLS AND FLOORS TO MAINTAIN FIRE INTEGRITY. REFER TO ARCHITECTURAL DRAWINGS FOR FIRE WALL LOCATIONS.
7. GROUND, PHASE AND NEUTRAL CONDUCTORS SHALL BE PIG-TAILED IN OUTLET BOXES OR MULTI-OUTLET ASSEMBLY FOR EACH RECEPTACLE SO THAT GROUND AND ELECTRICAL SERVICE WILL NOT BE DISTURBED TO OTHER RECEPTACLES ON THE SAME CIRCUIT IF RECEPTACLE IS REMOVED.
8. ALL COMBINED HOMERUN CIRCUITS SHALL USE INDIVIDUAL NEUTRALS (DEDICATED) NO MULTI-WIRE BRANCH CIRCUITS WITH SHARED NEUTRALS SHALL BE USED.
9. PROVIDE AN INDIVIDUAL, DEDICATED GFI RECEPTACLE WHERE RECEPTACLES ARE NOTED TO BE GFI TYPE. NO "FEED-THROUGH" GFI PROTECTION WILL BE PERMITTED.
10. ALL RECEPTACLES WITHIN 6 FEET OF A SINK SHALL BE GFI TYPE.
11. ALL NEW BREAKERS IN EXISTING AND NEW PANELS SERVING MECHANICAL EQUIPMENT SHALL BE HACR RATED.
12. ALL NEW BREAKERS INSTALLED IN EXISTING PANELS AND MCC'S SHALL MATCH EXISTING MANUFACTURER AND AIC RATING.
13. THE ELECTRICAL CONTRACTOR SHALL VERIFY THE ROUGH-IN PROVISIONS SHOWN FOR EACH PIECE OF TENANT LAB EQUIPMENT INCLUDING VOLTAGE, PHASE, AMPERAGE, RECEPTACLE TYPE BASED ON EXISTING EQUIPMENT TO BE MOVED FROM OTHER FACILITIES AND NEW EQUIPMENT PURCHASE ORDERS.
14. THE ELECTRICAL CONTRACTOR SHALL PROVIDE COMPOUND FILLED CONDULET FITTINGS WHERE CONDUITS ENTER/EXIT ALL WALK-IN BOXES AND OTHER AREAS WITH VARYING ROOM TEMPERATURES/HUMIDITY CONDITIONS.
15. PROVIDE NEW PANEL DIRECTORIES IN ALL EXISTING PANELBOARDS.
16. GENERAL ELECTRICAL DEMOLITION BEING PERFORMED UNDER SEPARATE PERMIT. LIMITED ELECTRICAL DEMOLITION FOR THIS PROJECT IS SHOWN ON THE CONTRACT DOCUMENTS.
17. FIRE ALARM SYSTEM RECONFIGURATION DESIGN BEING PERFORMED UNDER SEPARATE PERMIT.

OCCUPANCY SENSOR SCHEDULE

Table with columns: TYPE, MOUNTING, DESCRIPTION, VOLTAGE, CATALOG NO. Includes rows for dual technology passive infrared and ultrasonic ceiling sensors, universal voltage power pack relay systems, dual technology wall switches, and ultrasonic ceiling sensors for corridors.

ELECTRICAL ABBREVIATIONS

Table with columns: ABBREV., DESCRIPTION, ABBREV., DESCRIPTION. Lists abbreviations for Ampere, Mounting Height, Main Circuit Breaker, Metal Halide, Main Lugs Only, Mounted, Microwave, Normally Closed, National Electric Code, Non Fused Safety Switch, Night Light, Pole, Phase, Polyvinyl Chloride, Power Receptacle, Room, Existing to be Removed, Underwriters Lab, Volts, Watts, With, Water Heater, Weather-Proof, Kilowatts, Kilo-Volt-Ampere.



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Table with columns: NO, DATE, DESCRIPTION. Includes one revision entry: 1 06/17/13 PERMIT

REVISIONS

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815 HAMPTON LANE TOWSON, MD 21286

LEGEND, ABBREVIATIONS, NOTES, AND SCHEDULE

Table with columns: PROJECT NO, DWG NO, DATE. Includes values: PROJECT NO 13007-00, DWG NO E-001, DATE 06/17/13

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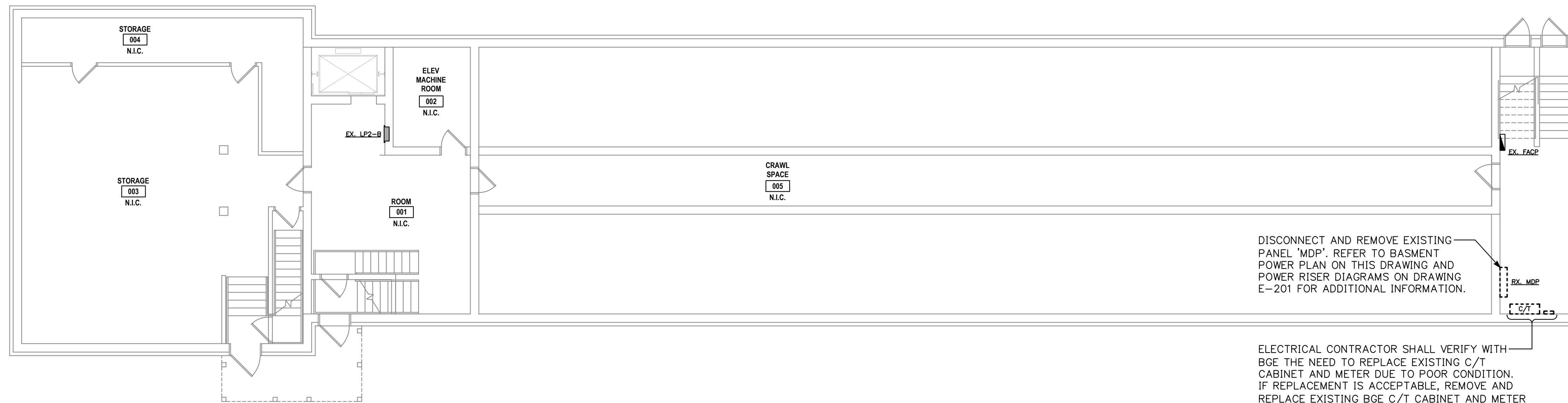
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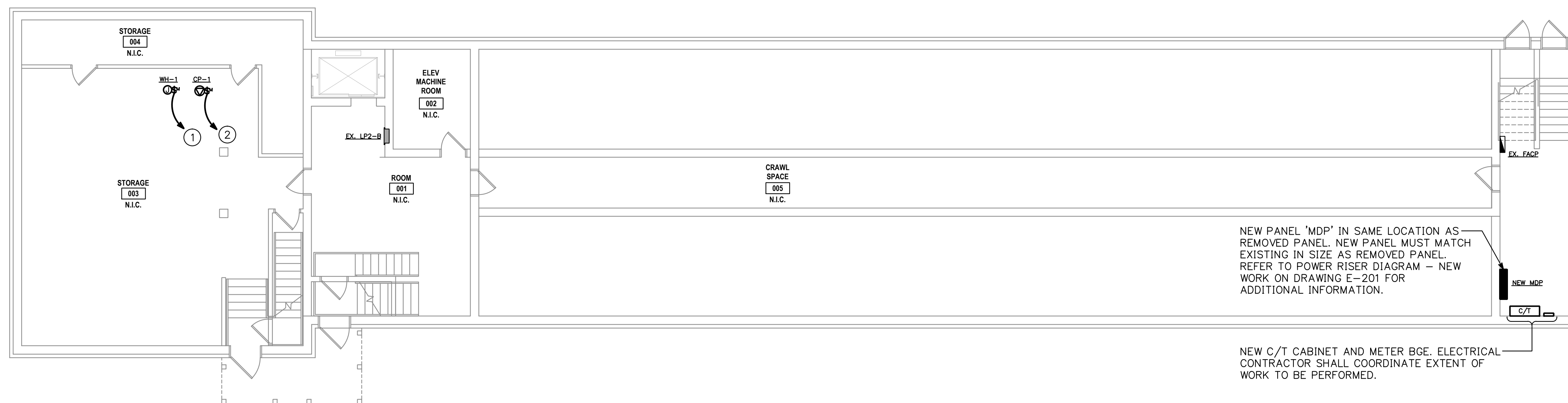
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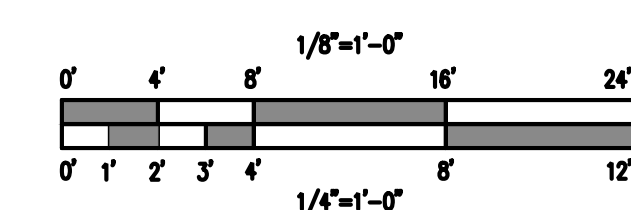
**1 BASEMENT ELECTRICAL DEMOLITION PLAN**  
 E-101 SCALE: 1/8"=1'-0"



**2 BASEMENT POWER PLAN**  
 E-101 SCALE: 1/8"=1'-0"

**DRAWING NOTES:**

- ① PROVIDE NEW 1P20A CIRCUIT BREAKER IN EXISTING SPACE IN EXISTING PANEL 'LP2-B' FOR GAS WATER HEATER WH-1. NEW BREAKER SHALL MATCH EXISTING MANUFACTURER, TYPE AND A.I.C. RATING. COORDINATE LOCATION OF WATER HEATER WITH PLUMBING CONTRACTOR PRIOR TO ROUGH-IN. UPDATE PANEL DIRECTORY WITH LOAD AND AREA SERVED.
- ② PROVIDE NEW 1P20A CIRCUIT BREAKER IN EXISTING SPACE IN EXISTING PANEL 'LP2-B' FOR RECIRC PUMP CP-1. NEW BREAKER SHALL MATCH EXISTING MANUFACTURER, TYPE AND A.I.C. RATING. COORDINATE LOCATION OF RECIRC PUMP WITH PLUMBING CONTRACTOR PRIOR TO ROUGH-IN. UPDATE PANEL DIRECTORY WITH LOAD AND AREA SERVED.



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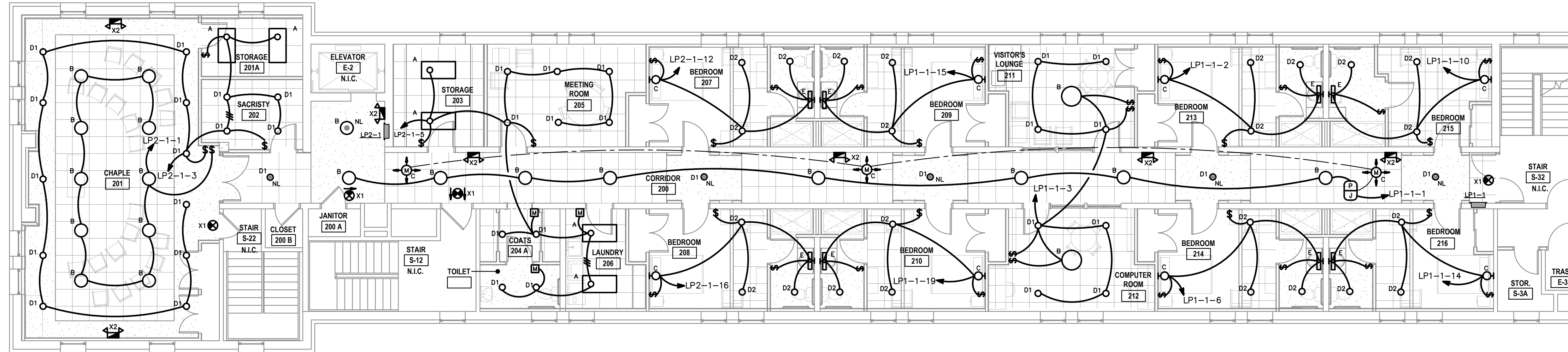
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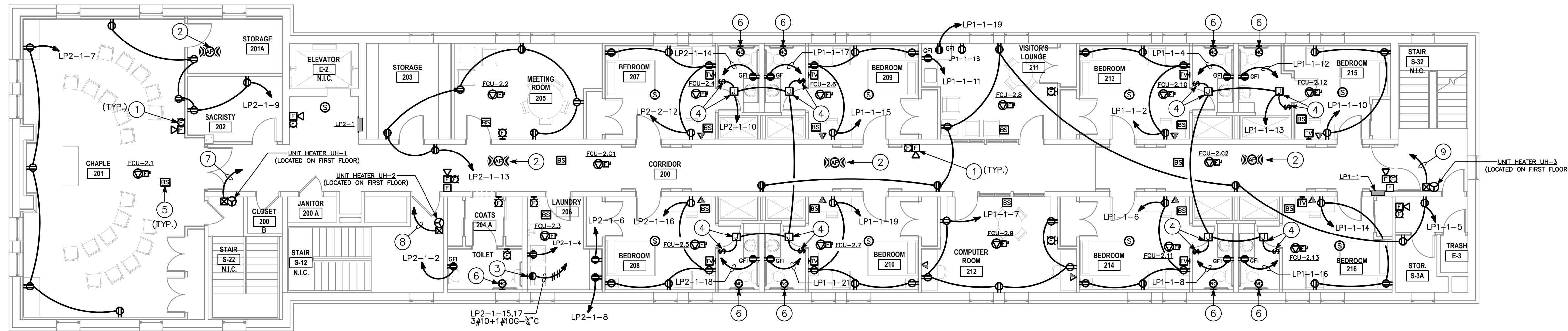
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**BASEMENT  
 DEMOLITION AND  
 POWER PLANS**

PROJECT NO 13007-00	DWG NO <b>E-101</b>
DATE 06/17/13	



1 SECOND FLOOR LIGHTING PLAN  
E-102 SCALE: 1/8"=1'-0"



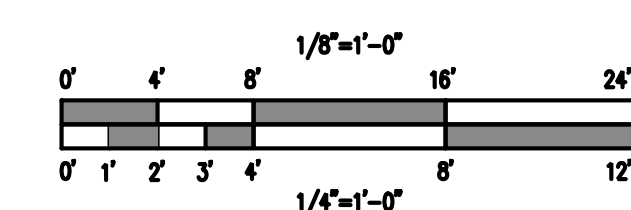
2 SECOND FLOOR POWER PLAN  
E-102 SCALE: 1/8"=1'-0"

**GENERAL PLAN NOTES:**

- REFER TO DRAWING E-301 FOR MECHANICAL EQUIPMENT CONNECTION SCHEDULE.
- PROVIDE (2) CAT 6 PLENUM RATED CABLES PER VOICE/DATA OUTLET. CABLES SHALL BE RUN FROM OUTLET, DOWN TO CRAWL SPACE AND BACK UP TO EXISTING FIRST FLOOR IDF. PROVIDE 3' SLACK AT OUTLET, CRAWL SPACE, IDF CEILING AND IN IDF ROOM.
- PROVIDE RG6 PLENUM RATED COAX CABLE FOR TV OUTLETS. CABLES SHALL BE RUN FROM OUTLET, DOWN TO CRAWL SPACE AND BACK UP TO EXISTING FIRST FLOOR IDF. PROVIDE 3' SLACK AT OUTLET, CRAWL SPACE, IDF CEILING AND IN IDF ROOM.
- FIRE ALARM DEVICES SHOWN FOR REFERENCE ONLY. CONTRACTOR SHALL CONTRACT SERVICES OF A CERTIFIED FIRE ALARM VENDOR TO EVALUATE THE EXISTING BUILDING SYSTEM, DESIGN NEW DEVICE LAYOUT TO ACCOMMODATE RENOVATED AREAS, PREPARE PERMIT AND SHOP DRAWINGS FOR A FULLY FUNCTIONAL, CODE COMPLIANT FIRE ALARM SYSTEM.

**DRAWING NOTES:**

- PROVIDE NEW FIRE ALARM DEVICE AS SHOWN. NEW FIRE ALARM DEVICE SHALL MATCH EXISTING BUILDING DEVICES AND BE 100% COMPATIBLE WITH EXISTING SYSTEM. CONNECT TO EXISTING BUILDING FIRE ALARM SYSTEM AS REQUIRED. PROVIDE ALL NECESSARY COMPONENTS AND MATERIALS TO ACCOMMODATE NEW DEVICE ON EXISTING SYSTEM.
- WIFI ACCESS POINT - PROVIDE CEILING LOW VOLTAGE OUTLET BOX FOR DATA CABLES AND 15' SERVICE LOOP ABOVE CEILING. FIELD LOCATE WITH TENANT.
- PROVIDE NEMA 14-30R RECEPTACLE FOR DRYER. COORDINATE DEVICE REQUIREMENTS WITH EQUIPMENT MANUFACTURER PRIOR TO ROUGH-IN.
- PROVIDE JUNCTION BOX AND FAN TIMER SWITCH FOR EXHAUST TERMINAL AT BATHROOM EXHAUST GRILL. FAN TIMER SWITCH SHALL BE WATT STOPPER RT-50 OR APPROVED EQUAL. COORDINATE LOCATION AND ELECTRICAL REQUIREMENTS WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
- BRANCH SELECTOR BOX BY MECHANICAL - PROVIDE 208V POWER TO EACH BOX. REFER TO MECHANICAL SCHEDULE ON DRAWING E-301.
- PROVIDE RECESSED JUNCTION BOX WITH CONDUIT/PULLSTRING TO CEILING CAVITY FOR NURSE CALL SYSTEM DEVICES AND WIRING BY OWNER'S VENDOR.
- PROVIDE NEW 2P20A CIRCUIT BREAKER IN EXISTING SPACE IN EXISTING FIRST FLOOR PANEL 'LP2-G' FOR ELECTRIC UNIT HEATER UH-1. NEW BREAKER SHALL MATCH EXISTING MANUFACTURER, TYPE AND A.I.C. RATING. COORDINATE LOCATION OF HEATER WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN. UPDATE PANEL DIRECTORY WITH LOAD AND AREA SERVED.
- PROVIDE NEW 2P20A CIRCUIT BREAKER IN EXISTING SPACE IN EXISTING FIRST FLOOR PANEL 'LP2-G' FOR ELECTRIC UNIT HEATER UH-2. NEW BREAKER SHALL MATCH EXISTING MANUFACTURER, TYPE AND A.I.C. RATING. COORDINATE LOCATION OF HEATER WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN. UPDATE PANEL DIRECTORY WITH LOAD AND AREA SERVED.
- PROVIDE NEW 2P20A CIRCUIT BREAKER IN EXISTING SPACE IN EXISTING FIRST FLOOR PANEL 'LP1-G' FOR ELECTRIC UNIT HEATER UH-3. NEW BREAKER SHALL MATCH EXISTING MANUFACTURER, TYPE AND A.I.C. RATING. COORDINATE LOCATION OF HEATER WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN. UPDATE PANEL DIRECTORY WITH LOAD AND AREA SERVED.



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NO	DATE	DESCRIPTION
1	06/17/13	PERMIT

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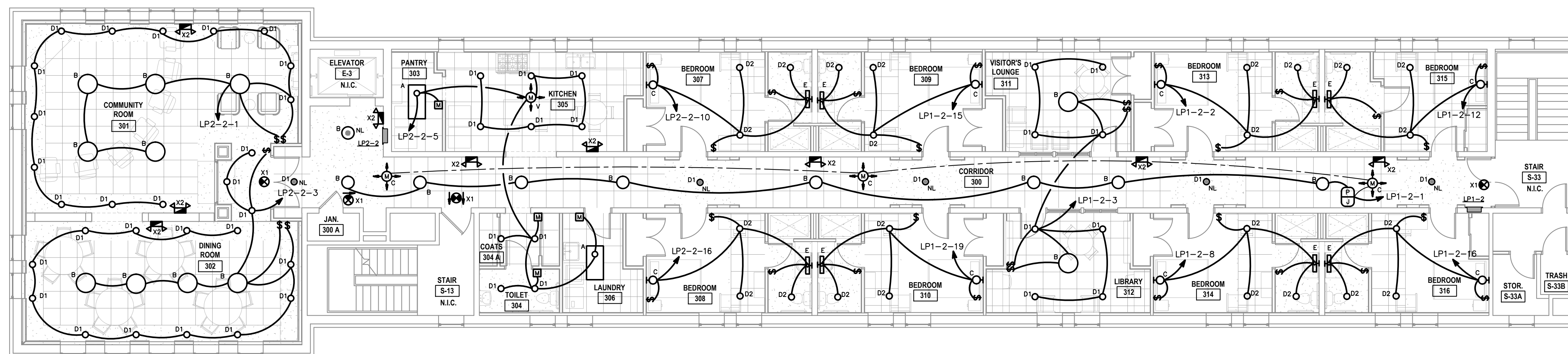
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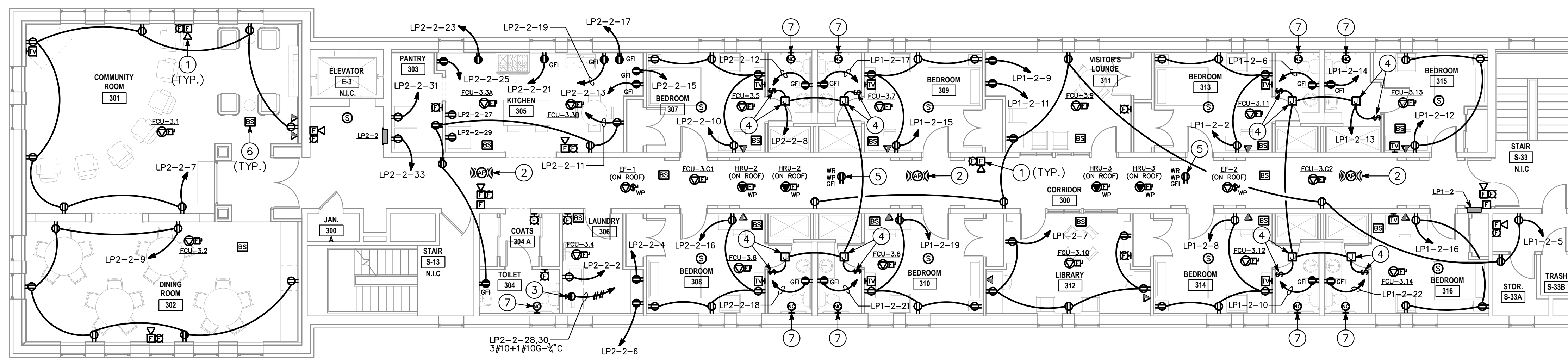
**SECOND FLOOR  
LIGHTING AND  
POWER PLANS**

PROJECT NO 13007-00	DWG NO <b>E-102</b>
DATE 06/17/13	





**1 THIRD FLOOR LIGHTING PLAN**  
 E-103 SCALE: 1/8"=1'-0"



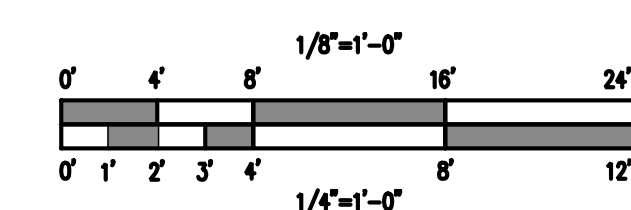
**2 THIRD FLOOR POWER PLAN**  
 E-103 SCALE: 1/8"=1'-0"

**GENERAL PLAN NOTES:**

1. REFER TO DRAWING E-301 FOR MECHANICAL EQUIPMENT CONNECTION SCHEDULE.
2. PROVIDE (2) CAT 6 PLENUM RATED CABLES PER VOICE/DATA OUTLET. CABLES SHALL BE RUN FROM OUTLET, DOWN TO CRAWL SPACE AND BACK UP TO EXISTING FIRST FLOOR IDF. PROVIDE 3' SLACK AT OUTLET, CRAWL SPACE, IDF CEILING AND IN IDF ROOM.
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- 2 WIFI ACCESS POINT - PROVIDE CEILING LOW VOLTAGE OUTLET BOX FOR DATA CABLES AND 15' SERVICE LOOP ABOVE CEILING. FIELD LOCATE WITH TENANT.
- 3 PROVIDE NEMA 14-30R RECEPTACLE FOR DRYER. COORDINATE DEVICE REQUIREMENTS WITH EQUIPMENT MANUFACTURER PRIOR TO ROUGH-IN.
- 4 PROVIDE JUNCTION BOX AND FAN TIMER SWITCH FOR EXHAUST TERMINAL AT BATHROOM EXHAUST GRILL. FAN TIMER SWITCH SHALL BE WATT STOPPER RT-50 OR APPROVED EQUAL. COORDINATE LOCATION AND ELECTRICAL REQUIREMENTS WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
- 5 PROVIDE A RECEPTACLE AT MECHANICAL EQUIPMENT LOCATED ON ROOF FOR MAINTENANCE USE. CIRCUIT LP1-2-23.
- 6 BRANCH SELECTOR BOX BY MECHANICAL - PROVIDE 208V POWER TO EACH BOX. REFER TO MECHANICAL SCHEDULE ON DRAWING E-301.
- 7 PROVIDE RECESSED JUNCTION BOX WITH CONDUIT/PULLSTRING TO CEILING CAVITY FOR NURSE CALL SYSTEM DEVICES AND WIRING BY OWNER'S VENDOR.



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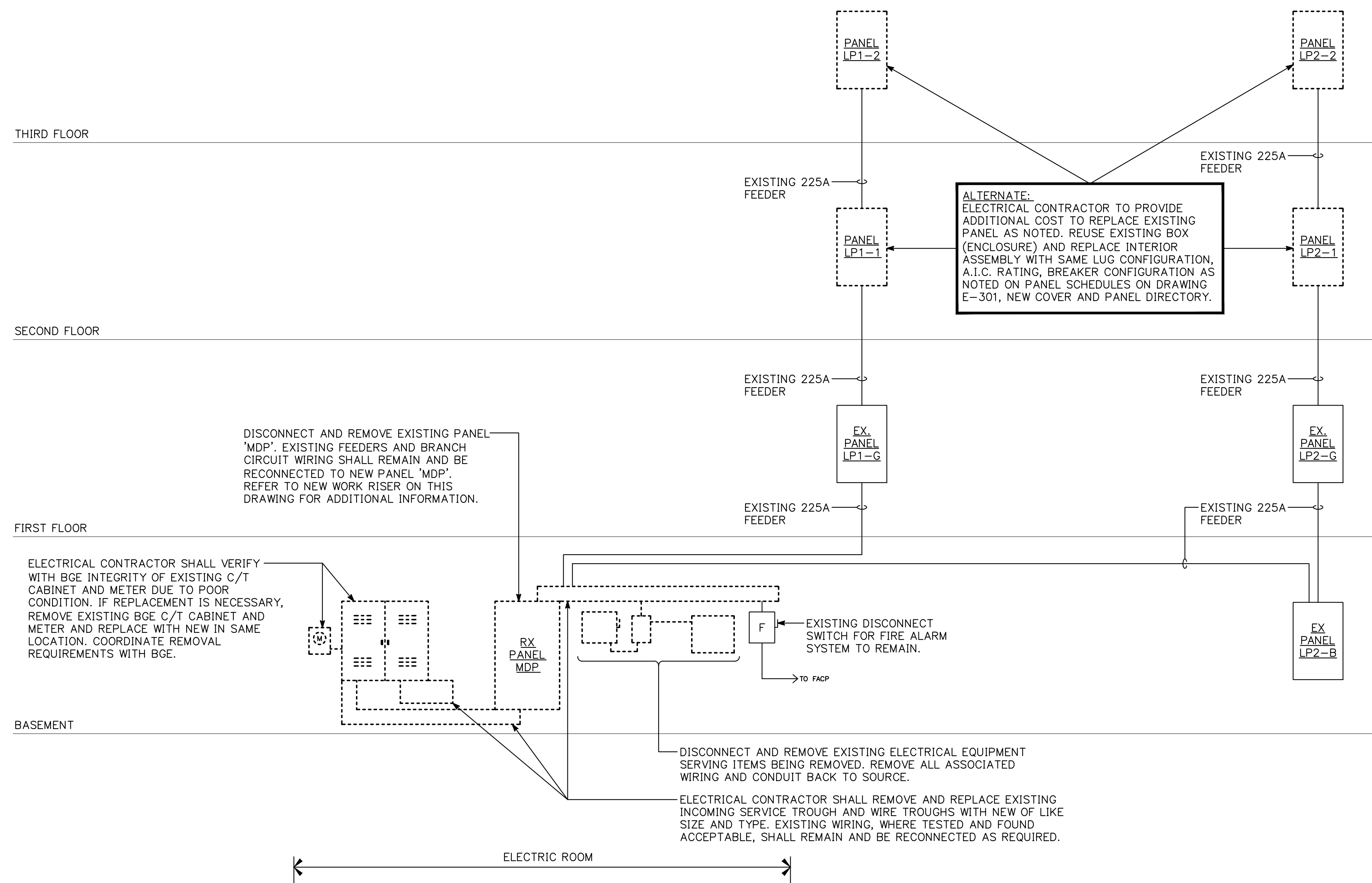
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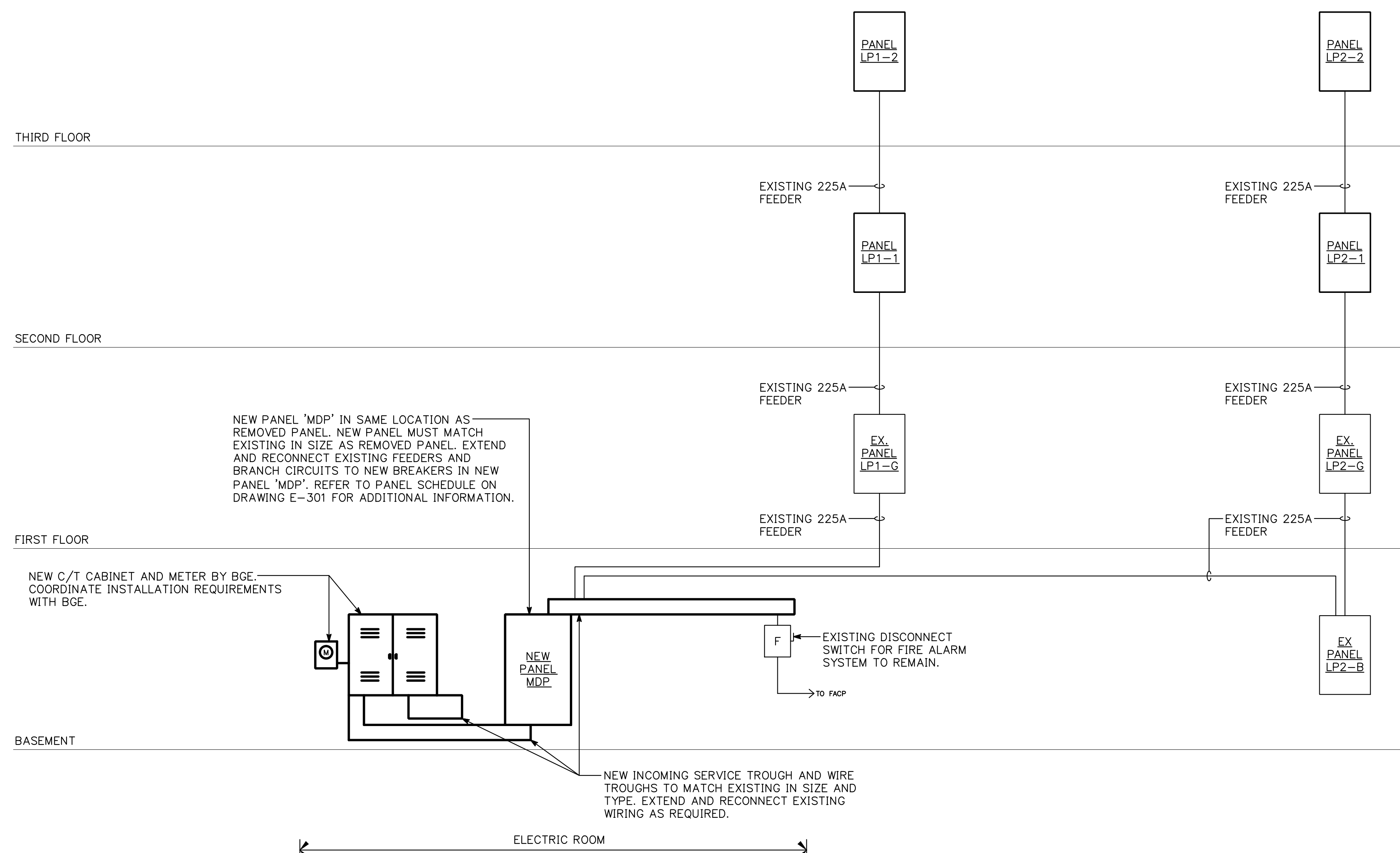
**THIRD FLOOR  
 LIGHTING AND  
 POWER PLANS**

PROJECT NO 13007-00	DWG NO E-103
DATE 06/17/13	



**POWER RISER DIAGRAM - DEMOLITION**

NO SCALE



**POWER RISER DIAGRAM - NEW WORK**

NO SCALE



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**POWER RISER DIAGRAMS**

PROJECT NO 13007-00	DWG NO <b>E-201</b>
DATE 06/17/13	

