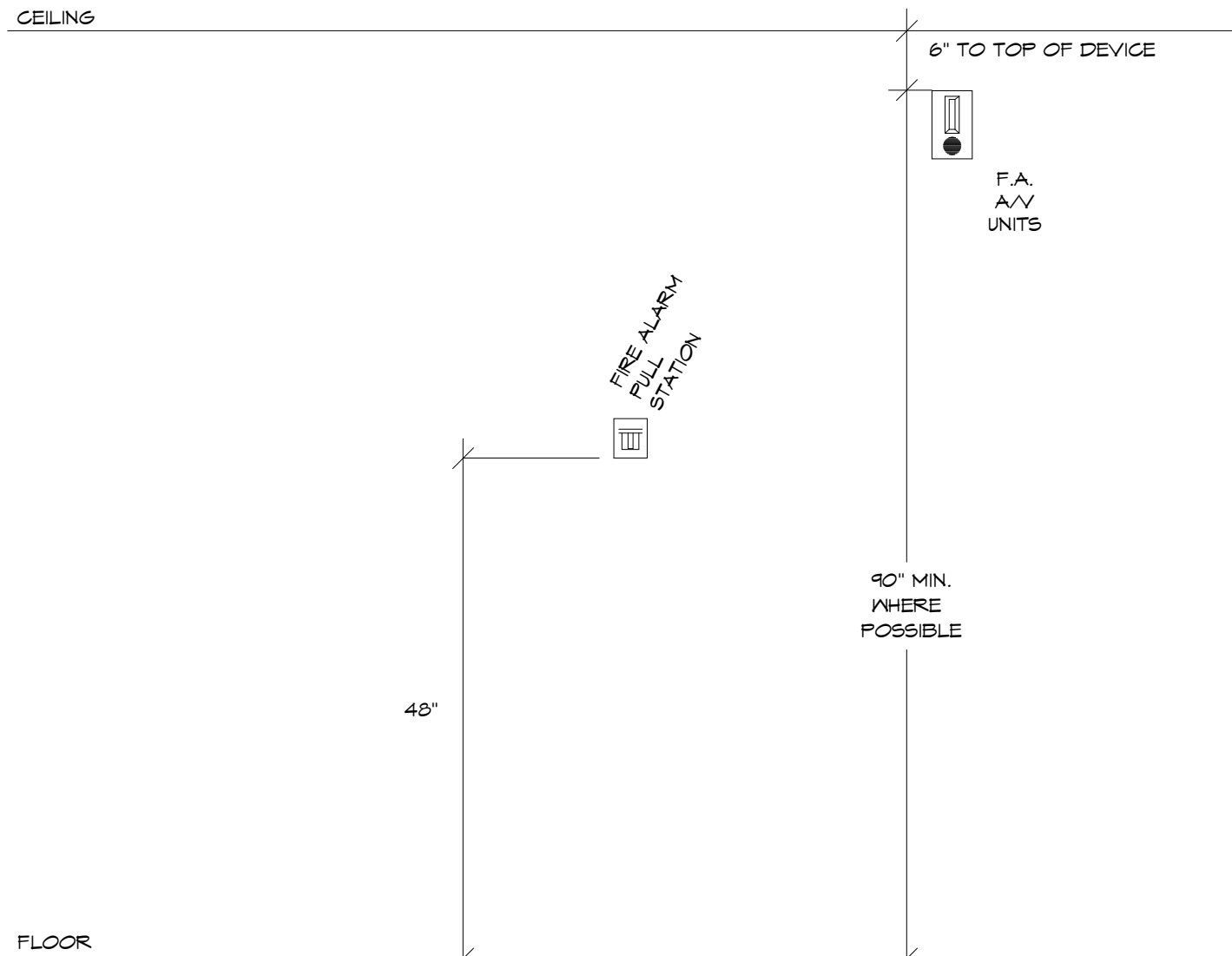


GENERAL NOTES

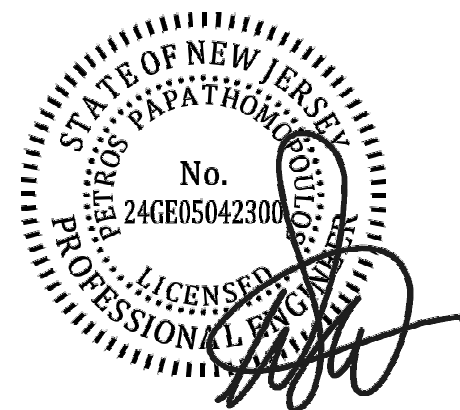
1. THESE GENERAL ELECTRICAL NOTES SHALL APPLY TO ALL E SERIES DRAWINGS, IN COORDINATION WITH DIVISION 26, 27, 4 2B SECTIONS, AND FRONT END (DIVISION 0 AND 1) REQUIREMENTS. ALL WORK ASSOCIATED WITH THE E SERIES DRAWINGS SHALL BE COORDINATED WITH ALL OTHER TRADES TO AVOID CONFLICTS.
2. ALL WORK SHALL BE PERFORMED IN COOPERATION WITH THE UNIVERSITY AND THE ARCHITECT/ENGINEER. THE CONTRACTOR SHALL COORDINATE ALL WORK WITH THE CONSTRUCTION SCHEDULE ESTABLISHED BY THE UNIVERSITY, AND SHALL IMMEDIATELY REPORT ANY DELAYS IN MATERIALS RECEIPT INCLUDING CIRCUMSTANCES CAUSING DELAYS. COMMENCE WORK AFTER PRECONSTRUCTION MEETING AND PROCEED DILIGENTLY AND CONTINUOUSLY TO COMPLETION.
- PRIOR TO STARTING WORK, SUBMIT FOR UNIVERSITY'S APPROVAL, A DETAILED SCHEDULE INDICATING ALL WORK THAT MAY AFFECT THE BUILDING AND NEARBY BUILDINGS/STRUCTURES, SUCH AS UTILITY SHUT DOWNS, NOISE GENERATING EQUIPMENT, ETC.
 - PERFORM WORK IN A MANNER WHICH MINIMIZES NOISE. OPERATIONS IN WHICH NOISE CANNOT BE MINIMIZED SHALL BE SCHEDULED WITH UNIVERSITY.
3. CONTRACT DRAWINGS FOR THE ELECTRICAL WORK ARE DIAGRAMMATIC, INTENDED TO CONVEY THE SCOPE OF WORK AND TO INDICATE THE GENERAL ARRANGEMENT AND APPROXIMATE LOCATION OF EQUIPMENT, PIPING, AND ACCESSORIES. THE INSTALLING CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING AND VERIFYING ALL CONDITIONS, DIMENSIONS, AND LOCATIONS PRIOR TO BIDDING PROJECT. CHECK PROJECT DRAWINGS PRIOR TO INSTALLATION FOR INTERFERENCES WITH OTHER TRADES. SHOULD THE CONTRACTOR FIND SUCH INTERFERENCES, THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING HIS WORK WITH OTHERS. THE UNIVERSITY RESERVES THE RIGHT TO MAKE REASONABLE CHANGES PRIOR TO ROUGH-IN WITHOUT ADDED EXPENSE. DIMENSIONS INDICATED ARE SUBJECT TO VERIFICATION OF EXACT SITE CONDITIONS AT THE TIME OF INSTALLATION.
- THE CONTRACTOR SHALL INSTALL ALL CONDUIT, WIRE, EQUIPMENT, LIGHT FIXTURES, ETC. IN A WORKMAN LIKE MANNER WITH QUALIFIED ELECTRICIANS.
 - ANY DISCREPANCIES BETWEEN THE DRAWINGS AND SPECIFICATIONS SHALL BE REPORTED TO THE UNIVERSITY. IN THE EVENT OF A DISCREPANCY, THE DRAWINGS WILL GOVERN OVER THE SPECIFICATIONS.
4. ALL ELECTRICAL WORK SHALL BE INSTALLED TO MEET THE REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE, NEW JERSEY EXISTING BUILDING CODE, INTERNATIONAL BUILDING, FIRE CODE AND NFPA 12. ALL WORK SHALL COMPLY TO ACCORDANCE OF LOCAL, STATE AND FEDERAL REGULATIONS AND OTHER AUTHORITIES HAVING JURISDICTION.
5. CONTRACTOR IS RESPONSIBLE FOR PAYING FOR ALL FEES ASSOCIATED WITH OBTAINING INSPECTIONS.
6. THE ELECTRICAL CONTRACTOR SHALL BE LICENSED IN THE LOCAL JURISDICTION PRIOR TO BIDDING ON PROJECT. CONTRACTOR TO CONTACT CITY/TOWNSHIP TO VERIFY LICENSE TO ENSURE THEY ARE CURRENT.
7. ALL ELECTRICAL EQUIPMENT SHALL BE INSTALLED PER MANUFACTURER RECOMMENDATIONS. ANY CONFLICTS WITH INSTALLATION AND MANUFACTURER RECOMMENDATIONS SHALL BE REPORTED TO ENGINEER.
8. CUTTING AND PATCHING - ALL NOTES BELOW HOLD THE COMMON CONDITION "UNLESS OTHERWISE NOTED".
- **FOR ALTERATIONS:** ALL CUTTING AND PATCHING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR FOR HIS/HER OWN WORK WHETHER DESCRIBED IN THE CONTRACT DOCUMENTS OR NOT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING CUTTING AND PATCHING REQUIREMENTS WITH OTHER TRADES.
 - **OPENINGS MADE POST-INSTALL:** IF AN OPENING IS REQUIRED IN A FINISHED SURFACE, AFTER COMPLETION, DUE TO LACK OF COORDINATION OR PROPER SCHEDULE MAINTENANCE, THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ANY CUTTING AND PATCHING REQUIRED TO FINISH SPECIFIC ELECTRICAL WORK AND RESTORE THE FINISHED SURFACE TO PREVIOUS CONDITION.
9. PROVIDE (FURNISH AND INSTALL) ALL NEW EQUIPMENT AND MATERIALS AS DESCRIBED HEREIN. ANY MATERIAL, OPERATION, METHOD, OR DEVICE MENTIONED, LISTED OR NOTED WITHIN THIS SPECIFICATION SHALL BE FURNISHED BY THIS CONTRACTOR UNLESS SPECIFICALLY MENTIONED AS BEING FURNISHED OR INSTALLED BY OTHERS.
- ALL MATERIALS SHALL BE AS SPECIFIED, OR EQUAL, AS APPROVED BY UNIVERSITY. MATERIALS SPECIFIED INDICATE QUALITY INTENT THAT WILL BE USED AS A BASIS FOR REVIEW OF SUBSTITUTES. SEE GENERAL CONDITIONS FOR SUBSTITUTION PROCEDURES.
 - MATERIALS SHALL BE STORED AT A LOCATION DETERMINED BY THE UNIVERSITY.
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10. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE COMPLETE AND OPERABLE SYSTEMS, INCLUDING OPERATIONAL PROPERTIES TO THE EXTENT NECESSARY TO LINK MULTIPLE COMPONENTS OF THE SYSTEMS TOGETHER AND TO INTERFACE WITH SYSTEMS PROVIDED BY OTHERS. THE ELECTRICAL CONTRACTOR SHALL GUARANTEE ALL SYSTEMS AND WORKMANSHIP FOR A PERIOD OF ONE YEAR FROM DATE OF FINAL ACCEPTANCE.
- THE CONTRACTOR SHALL PROVIDE UNIVERSITY WITH ALL NECESSARY OPERATION AND MAINTENANCE MANUALS, SHOP DRAWINGS, WIRING DIAGRAMS, AND WARRANTY PAPERWORK UPON COMPLETION OF THE PROJECT.
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13. CONTRACTOR SHALL MAKE EVERY EFFORT TO PROTECT BUILDING COMPONENTS DURING CONSTRUCTION. A PROTECTION PROPOSAL MUST BE SUBMITTED TO THE UNIVERSITY FOR REVIEW.
14. CONTRACTOR SHALL KEEP SITE FREE OF DEBRIS AND ACCUMULATED REFUSE. SITE SHALL BE BROOM SWEPT AT THE END OF EACH WORKING DAY.
15. FIRE ALARM CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH THE REQUIREMENTS OF THE LOCAL FIRE MARSHAL CONCERNING FIRE ALARM SYSTEM SHUTDOWN PLANS, PROCEDURES, AND FIRE MATCH PLANS THAT WILL BE IMPLEMENTED FOR SYSTEM INTERRUPTIONS DURING CONSTRUCTION.

| LEGEND | | | |
|--------|--|--|---|
| | DUPLEX RECEPTACLE - DEVICES SHOWN "DASHED" OR "DARK INK" ON DEMO PLANS ARE TO BE REMOVED UNLESS NOTED OTHERWISE. | | MANUAL PULL STATION |
| | TIME CLOCK | | FIRE ALARM STROBE/SPEAKER - WALL MOUNT |
| | PHOTOCELL | | FIRE ALARM STROBE - WALL MOUNT |
| | EXIT SIGN - SINGLE SIDED | | FIRE ALARM STROBE/SPEAKER - CEILING MOUNT |
| | EXIT SIGN - DOUBLE SIDED | | SMOKE DETECTOR |
| | EXIT SIGN - TRIANGLES INDICATE DIRECTION ARROWS | | HEAT DETECTOR |
| | | | KEY NOTE, REFER TO KEY NOTES ON DRAWING |



1 TYPICAL MOUNTING HEIGHTS DETAIL
N.T.S.

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ARCHITECT:



ENGINEER:



REVISIONS

DRAWN BY: BFD
CHECKED BY: WEF

ELECTRICAL LEGEND AND
GENERAL NOTES

RCNJ No. 201437-01/C
PHASE 2: ALTERATIONS
RAMAPO COLLEGE
OF NEW JERSEY
505 RAMAPO VALLEY RD.
MAHWAH, NY 07430
18031.00



ISSUED:
3.24.2016

DESCRIPTION:
BID DOCUMENTS

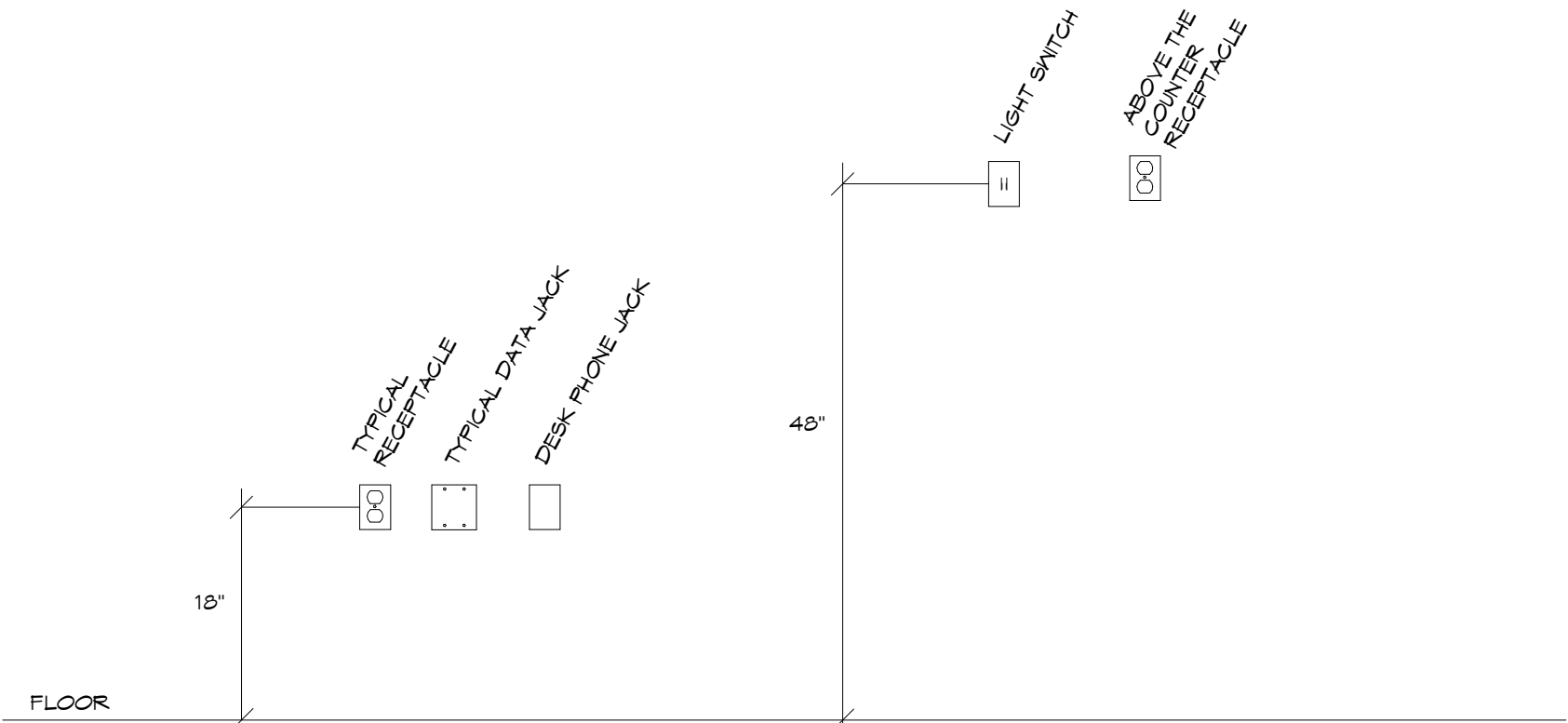
SHEET:
E-000

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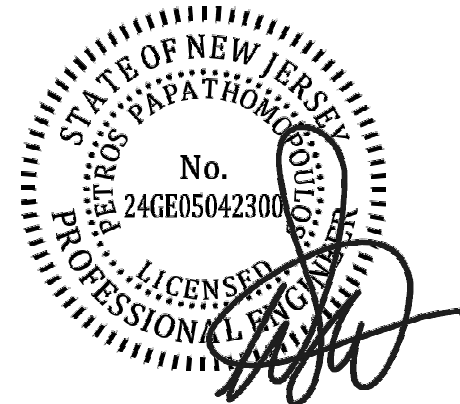
| LEGEND | | | |
|--------|---|--|---|
| | DUPLEX RECEPTACLE | | EXIT SIGN - TRIANGLES INDICATE DIRECTION ARROWS |
| | DUPLEX RECEPTACLE - GFI | | SINGLE POLE LIGHT SWITCH |
| | USB CHARGER-DUPLEX RECEPTACLE - ABOVE COUNTER | | MOTION SENSOR SWITCH |
| | DUPLEX RECEPTACLE - ABOVE COUNTER, GFI | | CEILING MOTION SENSOR - DUAL TECHNOLOGY |
| | COMBINATION TELE/DATA JACK | | CORNER MOTION SENSOR - DUAL TECHNOLOGY |
| | DATA JACK | | MANUAL PULL STATION |
| | MANUAL MOTOR STARTER | | FIRE ALARM STROBE/SPEAKER - WALL MOUNT |
| | FUSED DISCONNECT (POLES, SIZE, FUSE) | | FIRE ALARM STROBE - WALL MOUNT |
| | JUNCTION BOX | | FIRE ALARM STROBE/SPEAKER - CEILING MOUNT |
| | LIGHT FIXTURE, REFER TO FIXTURE SCHEDULE | | SMOKE DETECTOR |
| | EXIT SIGN - SINGLE SIDED | | KEY NOTE, REFER TO KEY NOTES ON DRAWING |
| | EXIT SIGN - DOUBLE SIDED | | |

CEILING



1 TYPICAL MOUNTING HEIGHTS
N.T.S.

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ARCHITECT:



ENGINEER:



REVISIONS

DRAWN BY: BFD
CHECKED BY: WEF

ELECTRICAL LEGEND AND
GENERAL NOTES

RCNJ No. 201437-01/C
PHASE 2: ALTERATIONS
RAMAPO COLLEGE
OF NEW JERSEY
505 RAMAPO VALLEY RD.
MAHWAH, NY 07430
18031.00

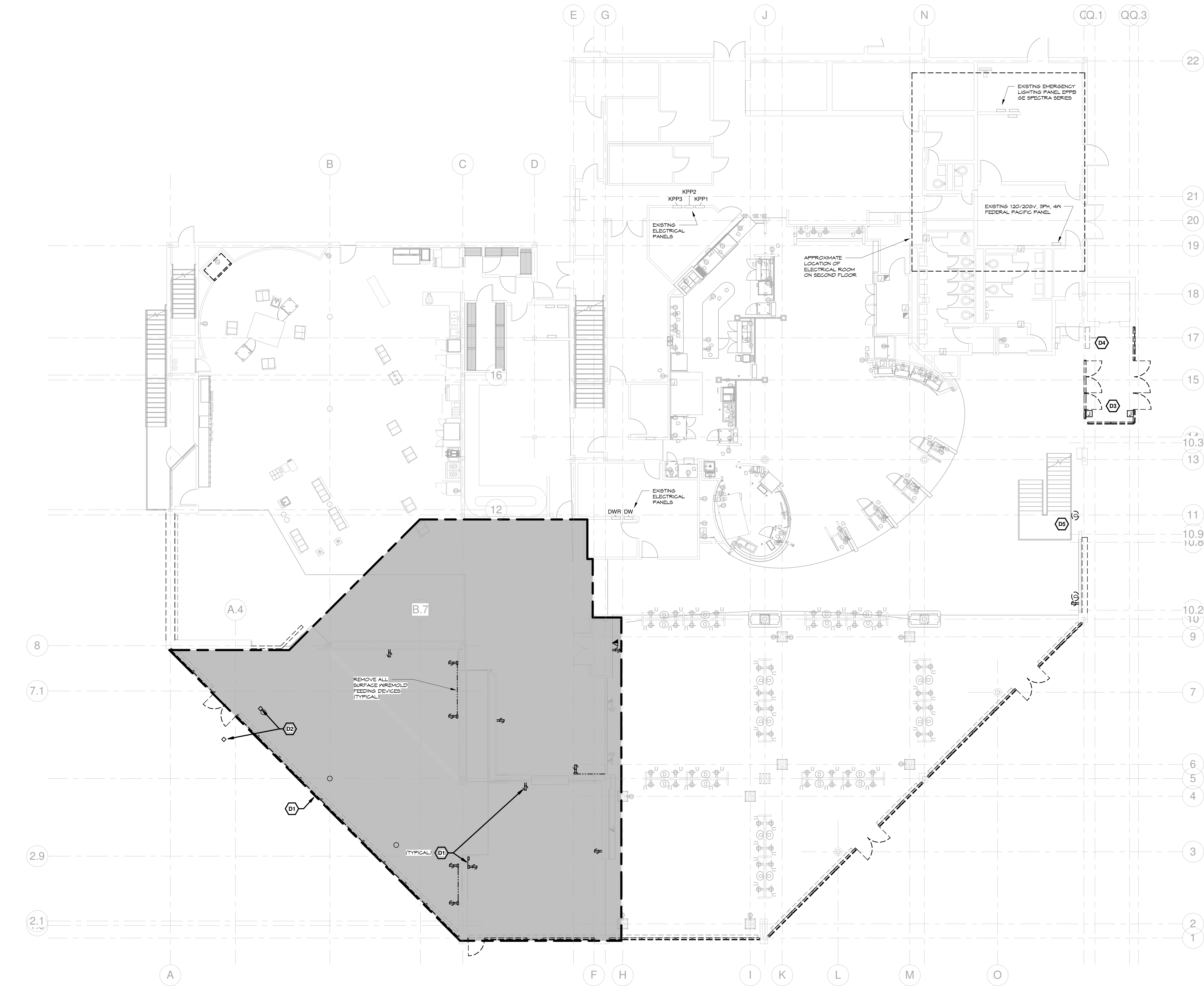


ISSUED:
3.24.2016

DESCRIPTION:
BID DOCUMENTS

SHEET:

E-001



1 ELECTRICAL DEMO PLAN - FF1
1/8" = 1'-0"

DEMOLITION

GENERAL NOTES

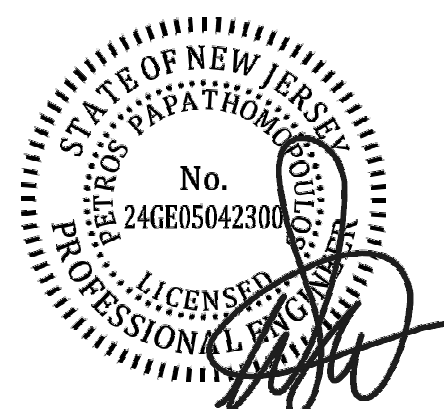
- IDENTIFICATION AND/OR ABATEMENT OF HAZARDOUS MATERIALS IS NOT PART OF THIS SCOPE OF WORK. IF ASBESTOS OR OTHER HAZARDOUS MATERIALS ARE ENCOUNTERED, THE CONTRACTOR SHALL NOTIFY THE OWNER IMMEDIATELY.
- REFER TO SPECIFICATIONS FOR RECYCLING, CONSTRUCTION WASTE MANAGEMENT AND DISPOSAL REQUIREMENTS.
- OPENING IN THE EXISTING STRUCTURE SMALLER THAN 12" IN ANY DIRECTION ARE NOT DERIVED ON THESE DRAWINGS. SUBCONTRACTORS SHALL BE RESPONSIBLE FOR PROVIDING OPENINGS SMALLER THAN 12" AS REQUIRED FOR INSTALLATION OF THEIR WORK.
- OPENINGS IN THE EXISTING STRUCTURE SHALL NOT BE MADE WITHOUT PRIOR APPROVAL OF THE STRUCTURAL ENGINEER.
- DO NOT REMOVE ITEMS WHICH JEOPARDIZE THE STRUCTURAL INTEGRITY OF THE BUILDINGS. IF HIDDEN ELEMENTS OR DETERIORATED ELEMENTS ARE ENCOUNTERED, NOTIFY THE ARCHITECT IMMEDIATELY.
- PROTECT ADJACENT AREAS AND ITEMS TO REMAIN DURING DEMOLITION/CONSTRUCTION. REPAIR/REPLACE ITEMS DAMAGED DURING CONSTRUCTION.
- IF UNANTICIPATED HIDDEN ELEMENTS OR DETERIORATED ELEMENTS ARE ENCOUNTERED, NOTIFY THE OWNERS REPRESENTATIVE IMMEDIATELY. REFER TO CONSULTANT DRAWINGS FOR ADDITIONAL DEMOLITION WORK.
- REVIEW w/ OWNER TO DETERMINE WHAT, IF ANYTHING, WILL BE REMOVED BY OWNER AND WHAT, IF ANYTHING, IS TO BE SALVAGED & TURNED OVER TO OWNER.
- DEVICES SHOWN AS "DASHED" OR IN "DARK INK" ARE TO BE REMOVED. ELECTRICAL SUB-CONTRACTOR SHALL DISCONNECT AND REMOVE EXISTING DEVICES, DISCONNECTS, STARTERS, RELAYS, AND MISCELLANEOUS COMPONENTS AS REQUIRED. WIRING AND CONDUITS ASSOCIATED WITH REMOVED ITEMS SHALL BE REMOVED BACK TO SOURCE PANEL.
- DEVICES SHOWN AS "LIGHT INK" ARE EXISTING TO REMAIN UNLESS OTHERWISE NOTED.

KEYED NOTES

- D1** ELECTRICAL SUB-CONTRACTOR SHALL DISCONNECT AND REMOVE EXISTING RECEPTACLES, SURFACE BOXES, WIREMOLD, AND CONDUITS. REMOVE CIRCUITRY BACK TO SOURCE PANEL.
- D2** REMOVE EXISTING HANDICAP DOOR PUSH BUTTON OPERATORS AND STORE FOR REINSTALLATION.
- D3** DISCONNECT AND REMOVE POWER TO EXISTING DOOR OPERATORS AND DOOR SENSORS. AND REMOVE POWER TO NEAREST HOME RUN JUNCTION BOX. LABEL CIRCUITRY FOR RE-USE.
- D4** DISCONNECT POWER TO EXISTING CABINET UNIT HEATER AND REMOVE TO NEAREST HOMERUN JUNCTION BOX. LABEL CIRCUITRY FOR RE-USE.
- D5** CAREFULLY DISCONNECT AND REMOVE EXISTING DUPLEX RECEPTACLE AND DATA JACKS AT A.I.M. LOCATION. STORE DEVICES IN A SAFE PLACE FOR RE-INSTALLATION. REMOVE CONDUIT AND WIRING BACK TO JUNCTION BOX ABOVE GRID CEILING TO ACCOMMODATE WALL REMOVAL. LABEL CIRCUITRY FOR RE-USE. REMOVE DATA CABLING AND COIL ABOVE GRID CEILING FOR RE-USE. REFER TO E-110 ELECTRICAL PLAN FOR NEW LOCATION. COORDINATE WORK WITH RAMAPO COLLEGE FACILITY PERSONNEL.

NJCA ELECTRONIC SUBMITTAL STAMP:

SEALED:



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ARCHITECT:

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ENGINEER:

McFarland Johnson
Engineering, Planning & Construction Administration
49 Court Street | P.O. Box 1980 | Binghamton, NY 13902
Tel: 607-723-9421 | mjnc.com

REVISIONS

DRAWN BY: BFD
CHECKED BY: WEF

ELECTRICAL DEMOLITION - FIRST FLOOR

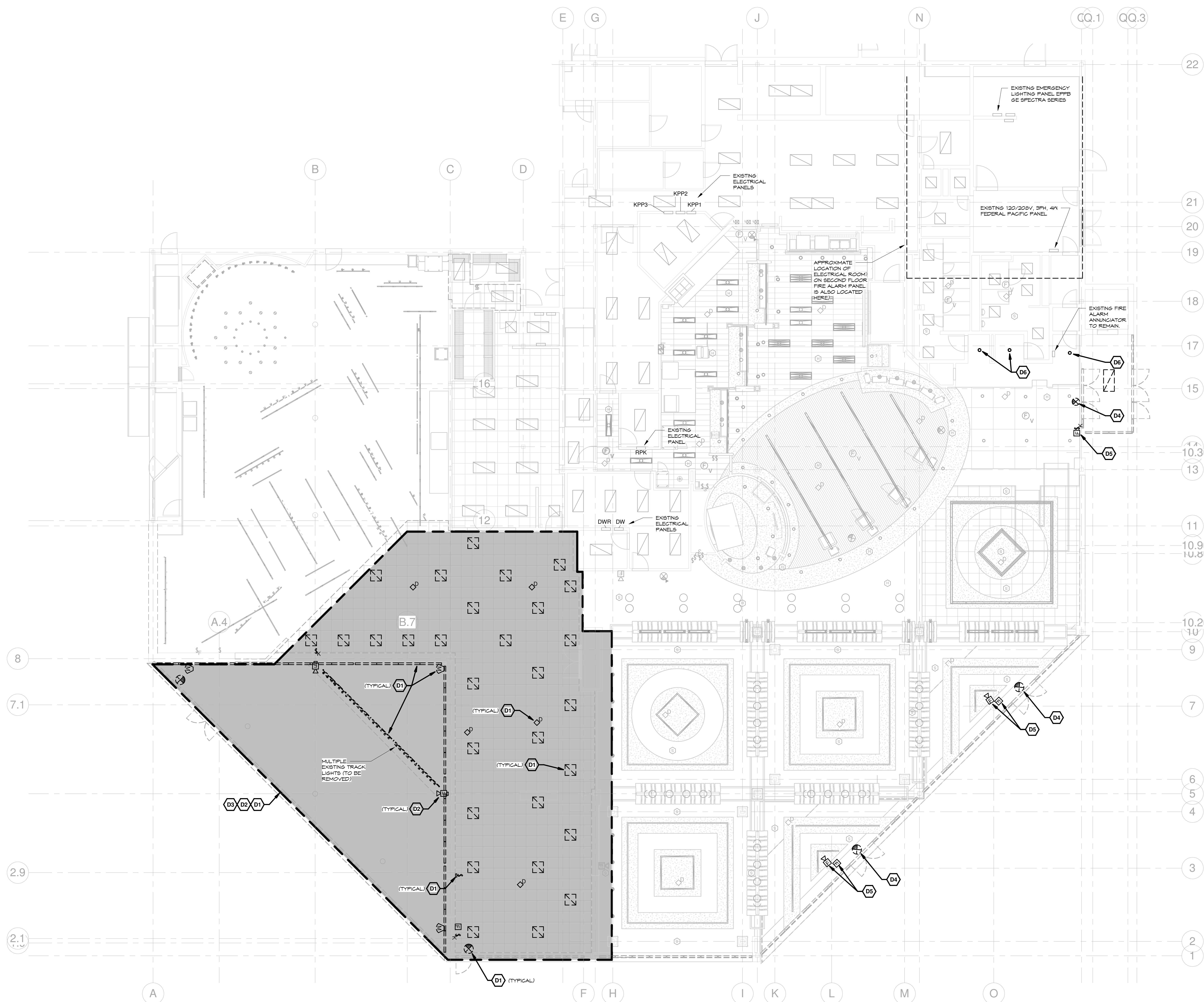


ISSUED:
3.24.2016

DESCRIPTION:
BID DOCUMENTS

SHEET:
ED-100

RCNJ No. 201437-01/C
PHASE 2: ALTERATIONS
505 RAMAPO VALLEY RD.
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18031.00



DEMOLITION

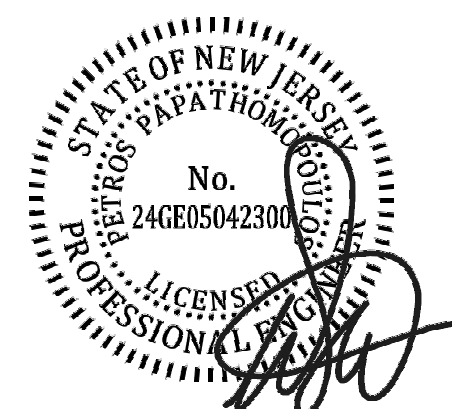
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2. REFER TO SPECIFICATIONS FOR RECYCLING, CONSTRUCTION WASTE MANAGEMENT AND DISPOSAL REQUIREMENTS.
3. OPENING IN THE EXISTING STRUCTURE SMALLER THAN ANY DIRECTLY ADJACENT STRUCTURE IDENTIFIED ON THESE DRAWINGS. SUBCONTRACTORS SHALL BE RESPONSIBLE FOR PROVIDING OPENINGS NOT LESS THAN 12" AS REQUIRED FOR INSTALLATION OF THEIR WORK.
4. OPENINGS IN THE EXISTING STRUCTURE SHALL NOT BE MADE WITHOUT THE WRITTEN APPROVAL OF THE STRUCTURAL ENGINEER.
5. DO NOT REMOVE ITEMS WHICH JEOPARDIZE THE STRUCTURAL INTEGRITY OF THE BUILDING. IF HIDDEN ELEMENTS OR DETRIORATED ELEMENTS ARE ENCOUNTERED, NOTIFY THE ARCHITECT IMMEDIATELY.
6. PROTECT ADJACENT AREAS AND ITEMS TO REMAIN DURING DEMOLITION AND CONSTRUCTION. REPAIR/REPLACE ITEMS DAMAGED DURING CONSTRUCTION.
7. IF DETRIORATED HIDDEN ELEMENTS OR DETRIORATED ELEMENTS ARE ENCOUNTERED, NOTIFY THE OWNER'S REPRESENTATIVE IMMEDIATELY.
8. REFER TO CONSULTANT DRAWINGS FOR ADDITIONAL INFORMATION.
9. REVIEW W OR Q NUMBER TO DETERMINE WHAT, IF ANYTHING, WILL BE REMOVED BY OWNER AND WHAT WILL BE TURNED Q OVER TO OWNER.
10. IF DEVICES ARE "DARK" OR IN "DARK LINE" TO BE REMOVED, ELECTRICAL SUB-CONTRACTOR SHALL DISCONNECT AND REMOVE EXISTING WIRING DISCONNECTS, WIRING, CABLES, AND MISCELLANEOUS COMPONENTS AS REQUIRED. WIRING AND CONDUITS ASSOCIATED WITH THESE ITEMS SHALL BE REMOVED BACK TO SOURCE PANEL.
11. DEVICES SHOWN AS "LIGHT LINE" ARE EXISTING AND NOT OTHERWISE NOTED.

KEYED NOTES

- D1** ELECTRICAL SUB-CONTRACTOR SHALL DISCONNECT AND REMOVE EXISTING LIGHT FIXTURES, OCCUPANCY SENSORS, AND SWITCHES. REMOVE EXISTING CONDUIT & CIRCUITRY BACK TO NEAREST HOWEVER, JUNCTION BOX AT CEILING.
- D2** REMOVE EXISTING FIRE ALARM DETECTORS. PULL STATIONS AND AUDIBLE/VISUAL DEVICES. REMOVE EXISTING ANNUNCIATION AND NOTIFICATION CONDUIT & CIRCUITRY BACK TO NEAREST HOWEVER, JUNCTION BOX AT CEILING FOR REUSE.
- D3** REMOVE EXISTING SURFACE WIREMOLD FEEDING DEVICES SUCH AS SWITCHES, FIRE ALARM PULL STATION AND AUDIBLE/VISUAL DEVICES MOUNTED ON OR IN WALLS BEING REMOVED.
- D4** REMOVE AND STORE EXISTING EXIT SIGN FOR REINSTALLATION.
- D5** REMOVE AND STORE FIRE ALARM DEVICE FOR REINSTALLATION.
- D6** REMOVE LIGHT FIXTURE.

SEALED



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DRAWN BY: BFD
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LIGHTING DEMOLITION - FIRST FLOOR

**RAMAPO COLLEGE
OF NEW JERSEY**

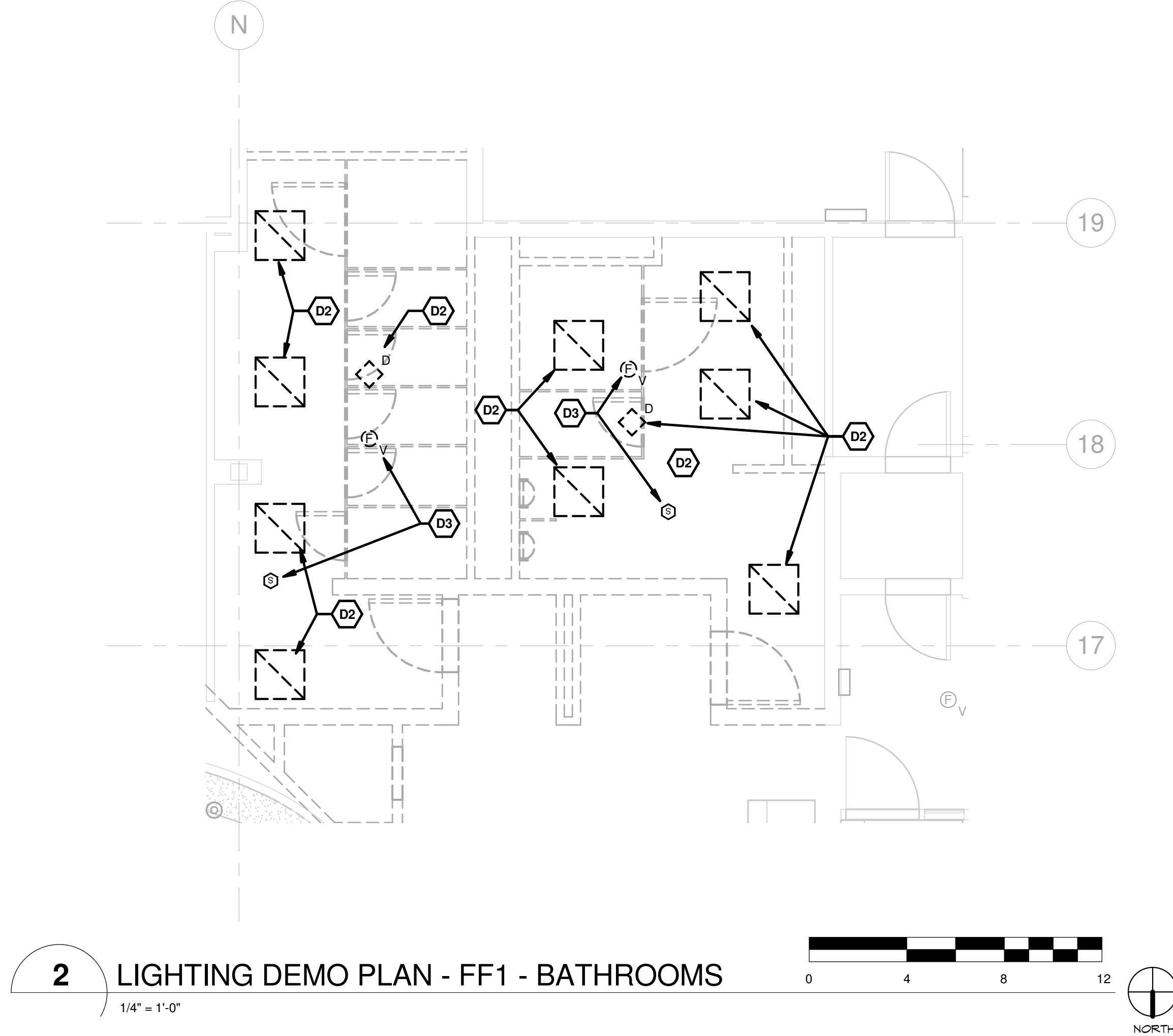
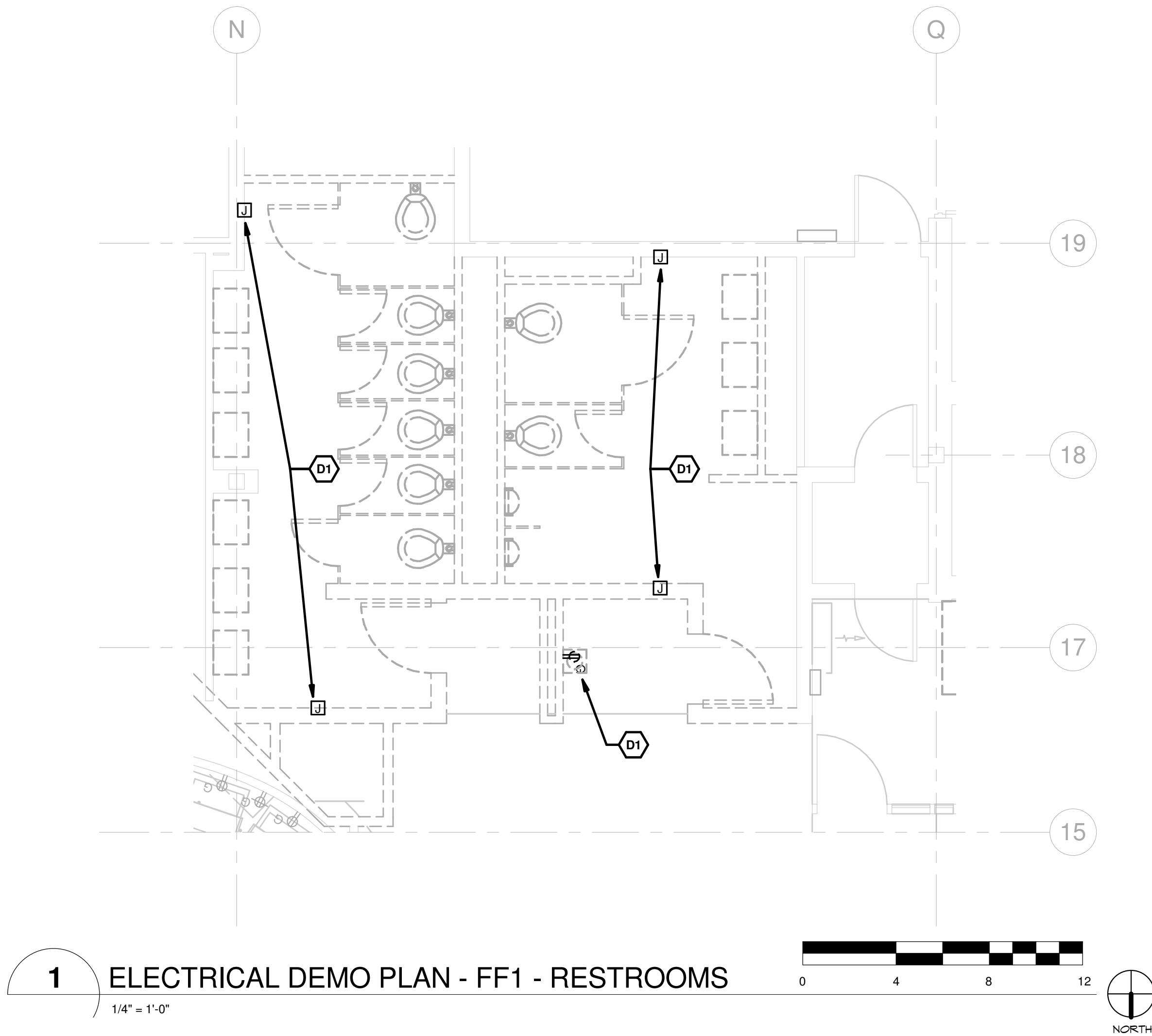


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DESCRIPTION:
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SHEET

ED-101



DEMOLITION

GENERAL NOTES

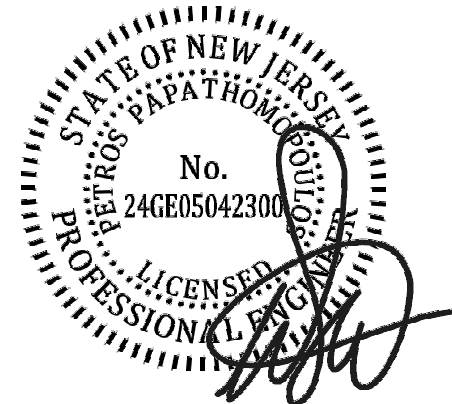
1. IDENTIFICATION AND/OR ABATEMENT OF HAZARDOUS MATERIALS IS NOT PART OF THIS SCOPE OF WORK. IF ASBESTOS OR OTHER HAZARDOUS MATERIALS ARE ENCOUNTERED, THE CONTRACTOR SHALL NOTIFY THE OWNER IMMEDIATELY.
2. REFER TO SPECIFICATIONS FOR RECYCLING, CONSTRUCTION WASTE MANAGEMENT AND DISPOSAL REQUIREMENTS.
3. OPENING IN THE EXISTING STRUCTURE SMALLER THAN 12" IN ANY DIRECTION ARE NOT IDENTIFIED ON THESE DRAWINGS. SUBCONTRACTORS SHALL BE RESPONSIBLE FOR PROVIDING OPENINGS SMALLER THAN 12" AS REQUIRED FOR INSTALLATION OF THEIR WORK.
4. OPENINGS IN THE EXISTING STRUCTURE SHALL NOT BE MADE WITHOUT PRIOR APPROVAL OF THE STRUCTURAL ENGINEER.
5. DO NOT REMOVE ITEMS WHICH JEOPARDIZE THE STRUCTURAL INTEGRITY OF THE BUILDING.
6. PROTECT ADJACENT AREAS AND ITEMS "TO REMAIN" DURING DEMOLITION/CONSTRUCTION. REPAIR/REPLACE ITEMS DAMAGED DURING CONSTRUCTION.
7. IF UNANTICIPATED HIDDEN ELEMENTS OR DETERIORATED ELEMENTS ARE ENCOUNTERED, NOTIFY THE OWNERS REPRESENTATIVE IMMEDIATELY. REFER TO CONSULTANT DRAWINGS FOR ADDITIONAL DEMOLITION WORK.
8. REVIEW w/ OWNER TO DETERMINE WHAT, IF ANYTHING, WILL BE REMOVED BY OWNER AND WHAT. IF ANYTHING, IS TO BE SALVAGED & TURNED OVER TO OWNER.
9. DEVICES SHOWN AS "DASHED" OR IN "DARK INK" ARE TO BE REMOVED. ELECTRICAL SUB-CONTRACTOR SHALL DISCONNECT AND REMOVE EXISTING DEVICES, DISCONNECTS, STARTERS, RELAYS, AND MISCELLANEOUS COMPONENTS AS REQUIRED. WIRING AND CONDUITS ASSOCIATED WITH REMOVED ITEMS SHALL BE REMOVED BACK TO SOURCE PANEL.
10. DEVICES SHOWN AS "LIGHT INK" ARE EXISTING TO REMAIN UNLESS OTHERWISE NOTED.

KEYED NOTES

- D1** DISCONNECT POWER TO EXISTING HAND DRYERS AND DRINKING FOUNTAIN RECEPTACLE. REMOVE JUNCTION BOXES, RECEPTACLE AND ASSOCIATED CONDUIT AND WIRING TO NEAREST HOMERUN JUNCTION BOX ABOVE CEILING. COIL WIRING AND LABEL CIRCUITS FOR RE-USE.
- D2** DISCONNECT POWER TO EXISTING LIGHT FIXTURES AND ASSOCIATED CONDUIT AND WIRING TO NEAREST HOMERUN JUNCTION BOX ABOVE CEILING. COIL WIRING AND LABEL CIRCUITS FOR RE-USE.
- D3** CAREFULLY DISCONNECT AND REMOVE FIRE ALARM DEVICES. REMOVE ASSOCIATED CONDUIT AND WIRING TO NEAREST HOMERUN JUNCTION BOX ABOVE CEILING. COIL WIRING AND LABEL CIRCUITS FOR RE-USE. STORE FIRE ALARM DEVICES IN A SAFE LOCATION FOR RE-INSTALLATION.

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REVISIONS

DRAWN BY: BFD
CHECKED BY: WEF

ELECTRICAL DEMOLITION - TOILET ROOMS

RCNJ No. 201437-01/C
PHASE 2: ALTERATIONS
505 RAMAPO VALLEY RD.
MAHWAH, NY 07430
18031.00

**RAMAPO COLLEGE
OF NEW JERSEY**

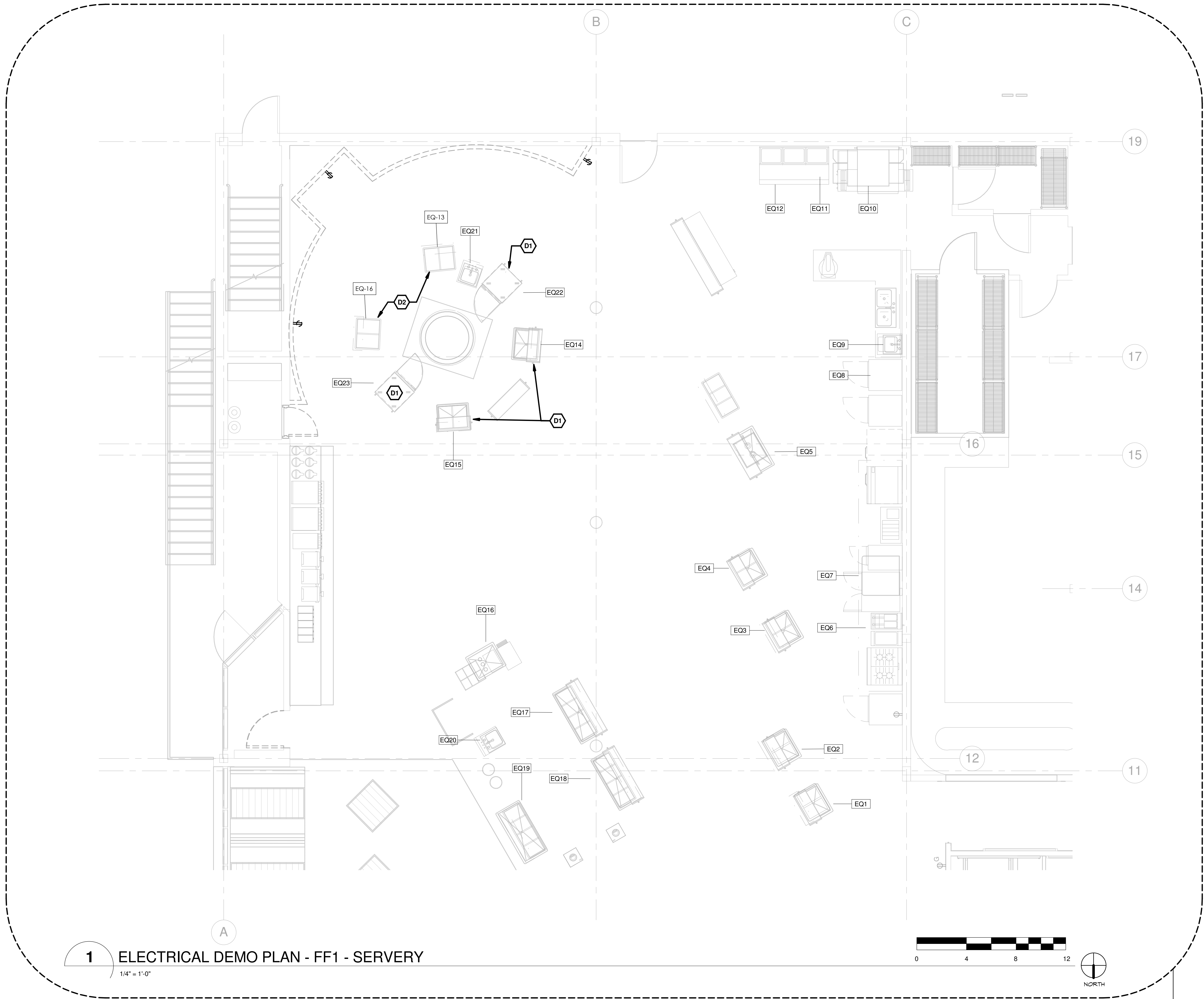


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3.24.2016

DESCRIPTION:
BID DOCUMENTS

SHEET:

ED-110



1 ELECTRICAL DEMO PLAN - FF1 - SERVERY

1/4" = 1'-0"

ADD/ALT 1

EXISTING EQUIPMENT SCHEDULE

| | |
|---------------|-------------------------------------|
| DESSERT | |
| EQ16 | EXISTING COLD WELL |
| GRILL | |
| EQ3 | EXISTING HOT WELL |
| EQ4 | EXISTING HOT WELL |
| EQ6 | EXISTING FRYER |
| EQ7 | EXISTING CONVECTION OVEN |
| HOMETOWN | |
| EQ5 | EXISTING HOT WELL |
| EQ8 | EXISTING REFRIGERATOR |
| EQ9 | EXISTING WALL MOUNTED SINK |
| MEDITERRANEAN | |
| EQ1 | EXISTING HOT WELL |
| EQ2 | EXISTING HOT WELL |
| PIZZA | |
| EQ10 | EXISTING IMPINGER |
| EQ11 | EXISTING FAN RACK |
| EQ12 | EXISTING PIZZA MAKE TABLE |
| SALAD | |
| EQ17 | EXISTING COLD WELL |
| EQ18 | EXISTING COLD WELL |
| SANDWICH | |
| EQ19 | EXISTING COLD WELL |
| EQ20 | EXISTING HAND SINK |
| WOK | |
| EQ14 | EXISTING HOT WELL |
| EQ15 | EXISTING HOT WELL |
| EQ21 | EXISTING SINK |
| EQ22 | EXISTING UNDERCOUNTER REFRIDGERATOR |
| EQ23 | EXISTING UNDERCOUNTER REFRIDGERATOR |
| BREAKFAST | |
| EQ13 | EXISTING HOT WELL |

DEMOLITION

GENERAL NOTES

- IDENTIFICATION AND/OR ABATEMENT OF HAZARDOUS MATERIALS IS NOT PART OF THIS SCOPE OF WORK. IF ASBESTOS OR OTHER HAZARDOUS MATERIALS ARE ENCOUNTERED, THE CONTRACTOR SHALL NOTIFY THE OWNER IMMEDIATELY.
- REFER TO SPECIFICATIONS FOR RECYCLING, CONSTRUCTION WASTE MANAGEMENT AND DISPOSAL REQUIREMENTS.
- OPENING IN THE EXISTING STRUCTURE SMALLER THAN 12" IN ANY DIRECTION ARE NOT IDENTIFIED ON THESE DRAWINGS. SUBCONTRACTORS SHALL BE RESPONSIBLE FOR PROVIDING OPENINGS SMALLER THAN 12" AS REQUIRED FOR INSTALLATION OF THEIR WORK.
- OPENINGS IN THE EXISTING STRUCTURE SHALL NOT BE MADE WITHOUT PRIOR APPROVAL OF THE STRUCTURAL ENGINEER.
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- PROTECT ADJACENT AREAS AND ITEMS "TO REMAIN" DURING DEMOLITION/CONSTRUCTION. REPAIR/REPLACE ITEMS DAMAGED DURING CONSTRUCTION.
- IF UNANTICIPATED HIDDEN ELEMENTS OR DETERIORATED ELEMENTS ARE ENCOUNTERED, NOTIFY THE OWNERS REPRESENTATIVE IMMEDIATELY. REFER TO CONSULTANT DRAWINGS FOR ADDITIONAL DEMOLITION WORK.
- REVIEW w/ OWNER TO DETERMINE WHAT, IF ANYTHING, WILL BE REMOVED BY OWNER AND WHAT, IF ANYTHING, IS TO BE SALVAGED & TURNED OVER TO OWNER.
- DEVICES SHOWN AS "DASHED" OR IN "DARK INK" ARE TO BE REMOVED. ELECTRICAL SUB-CONTRACTOR SHALL DISCONNECT AND REMOVE EXISTING DEVICES, DISCONNECTS, STARTERS, RELAYS, AND MISCELLANEOUS COMPONENTS AS REQUIRED. WIRING AND CONDUITS ASSOCIATED WITH REMOVED ITEMS SHALL BE REMOVED BACK TO SOURCE PANEL.
- DEVICES SHOWN AS "LIGHT INK" ARE EXISTING TO REMAIN UNLESS OTHERWISE NOTED.

KEYED NOTES

- D1 DISCONNECT POWER TO KITCHEN WOK EQUIPMENT EQ-14, EQ-15, EQ-22 & EQ-23 TO ACCOMMODATE WOK COUNTER/MILLWORK RENOVATION. REFER TO DRAWING E-113 ELECTRICAL PLAN - SERVERY FOR RE-INSTALLATION. EXISTING EQUIPMENT IS FED FROM CONDUIT AND WIRING IN FLOOR SLAB.
- D2 DISCONNECT AND REMOVE POWER TO EXISTING KITCHEN EQUIPMENT EQ-13 AND EQ-16. REMOVE CONDUIT AND WIRING TO NEAREST HOMERUN JUNCTION BOX. REFER TO DRAWING E-113 ELECTRICAL PLAN - SERVERY FOR NEW EQUIPMENT LOCATIONS.

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ARCHITECT:



ENGINEER:



REVISIONS

DRAWN BY: Author
CHECKED BY: Checker

ELECTRICAL DEMOLITION -
SERVERY - ALTERNATE #1

RCNJ No. 201437-01/C
PHASE 2: ALTERATIONS
505 RAMAPO VALLEY RD.
MAHWAH, NY 07430

RAMAPO COLLEGE
OF NEW JERSEY

18031.00



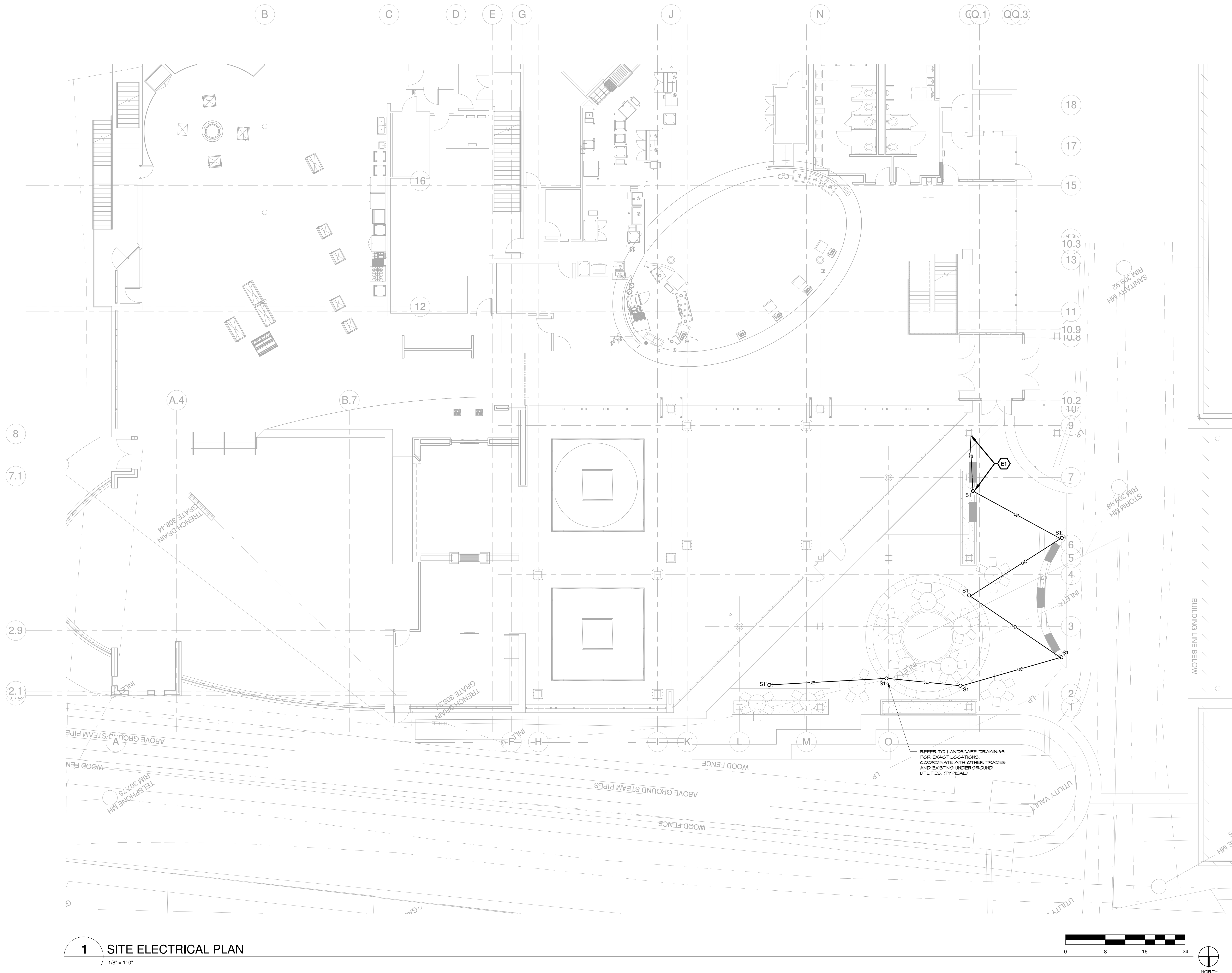
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3.24.2016

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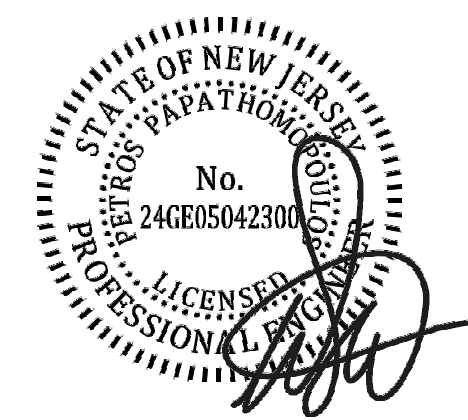


1 SITE ELECTRICAL PLAN
1/8" = 1'-0"

KEYED NOTES

E1. CONNECT TO EXISTING UNDERGROUND EXTERIOR LIGHTING CIRCUITRY/CONDUIT THAT FEEDS BLDG. (MOUNTED COLUMN LIGHTS (VIA TIME CLOCK & PHOTOCELL), EXTEND CIRCUIT USING (2) #12, #10G IN 3/4" RGS CONDUIT TO FEED NEW COLUMN LIGHT POLE (FIXTURE TYPE "S1") LOCATIONS SHOWN. REFER TO ELECTRICAL DETAIL SHEET E-310 FOR LIGHT FIXTURE SCHEDULE, TRENCH DETAIL AND LIGHT POLE FOUNDATION DETAIL.

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49 Court Street | P.O. Box 1980 | Binghamton, NY 13902
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REVISIONS

DRAWN BY: BFD
CHECKED BY: WEF

ELECTRICAL SITE PLAN

RCNJ No. 201437-01/C
PHASE 2: ALTERATIONS
505 RAMAPO VALLEY RD.
MAHWAH, NY 07430
18031.00

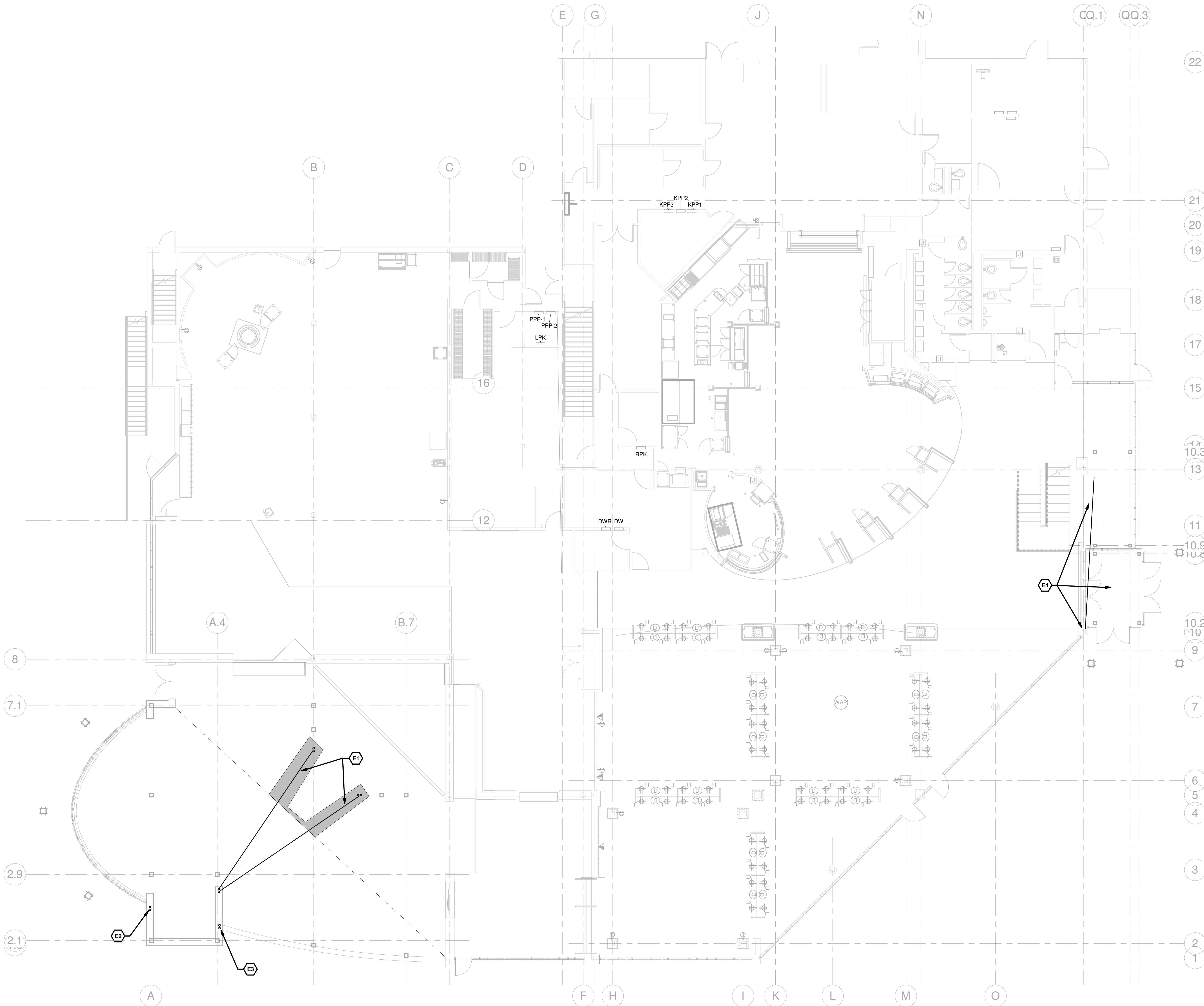


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3.24.2016

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E-050



1 ELECTRICAL PLAN - FF1 PH2
1/8" = 1'-0"

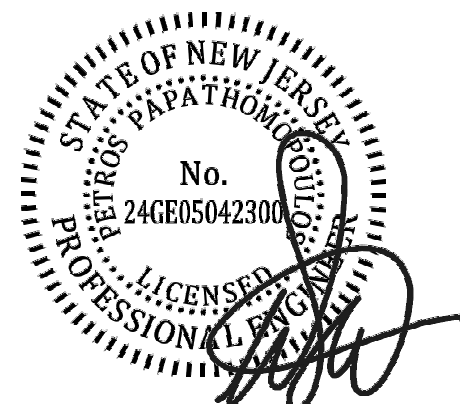
GENERAL NOTES

1. DEVICES SHOWN AS LIGHT OR SHADED ARE EXISTING TO REMAIN UNLESS OTHERWISE NOTED.

KEYED NOTES

- E1.** SAWCUT FLOOR AND PROVIDE (2) 1" RGS CONDUITS WITH FULL STRING FROM NEARBY WALL (GOES TO DECK) TO EACH LOCATION SHOWN FOR FUTURE POWER & DATA AT SEATING/SHORT WALLS. CONCEAL CONDUITS IN WALL GOING TO DECK AND SWEEP OUT CLOSE TO BOTTOM OF STRUCTURE. SAWCUT AREA INDICATED BY SHADING.
- E2.** PROVIDE (2) 1" RGS CONDUITS UNDER SLAB WITH FULL STRING STUBBING UP WITHIN STUD WALL AT LOCATION SHOWN FOR FUTURE POWER & LIGHTING. CONDUITS WILL BE EXTENDED TO DEVICE LOCATIONS DURING INTERIOR FINISHES PHASE.
- E3.** PROVIDE (2) 1" RGS CONDUITS UNDER SLAB WITH FULL STRING STUBBING UP WITHIN STUD WALL AT LOCATION SHOWN FOR FUTURE POWER & DATA. CONDUITS WILL BE EXTENDED TO DEVICE LOCATIONS DURING INTERIOR FINISHES PHASE.
- E4.** PROVIDE (3) 3/4" RGS CONDUITS WITH FULL STRING UNDER SLAB STUBBING UP WITHIN STUD WALL AT LOCATION SHOWN. CONDUITS AT VESTIBULE END SHALL RISE UP WITHIN MASONRY COLUMN FOR FUTURE POWER (VESTIBULE HVAC CEILING CASSETTE UNIT), VESTIBULE LIGHTS & FIRE ALARM DEVICES. PROVIDE DEVICE BOXES FOR FIRE ALARM DEVICES AND PENETRATE MASONRY WALL ABOVE VESTIBULE CEILING FOR LIGHTS AND HVAC POWER.

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49 Court Street | P.O. Box 1980 | Binghamton, NY 13902
Tel: 607-723-9421 | mjinc.com

REVISIONS

DRAWN BY: BFD
CHECKED BY: WEF

ELECTRICAL PLAN

RCNJ No. 201437-01/C
PHASE 2: ALTERATIONS
505 RAMAPO VALLEY RD.
MAHWAH, NY 07430
18031.00



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3.24.2016

DESCRIPTION:
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E-100

GENERAL NOTES

- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL MATERIAL AND EQUIPMENT IN ACCORDANCE WITH THE CURRENT N.E.C. (NATIONAL ELECTRICAL CODE).
- ALL WORK SHALL BE INSTALLED NEAT AND WORKMANLIKE COMPLYING WITH THE STANDARDS OF N.E.C.
- THE CONTRACTOR SHALL VISIT THE JOB SITE AND VERIFY ALL CONDITIONS, LOCATIONS, DIMENSIONS, AND COUNTS AS SHOWN AND NOTED ON THE DRAWINGS FOR THIS WORK PRIOR TO BIDDING. NO ADDITIONAL COST WILL BE ISSUED FOR FAILURE TO COMPLY WITH THIS REQUIREMENT.
- THE CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIAL, AND SUPERVISION NECESSARY TO ACCOMPLISH THE WORK AS SHOWN AND NOTED ON THE DRAWINGS. ANY DEVIATION FROM THE DRAWINGS SHALL BE APPROVED BY THE OWNER.
- THE ELECTRICAL CONTRACTOR SHALL DO ALL CUTTING AND PATCHING OF THE BUILDING MATERIALS REQUIRED FOR THE INSTALLATION OF HIS WORK. ALL FIRE RATED WALLS, FLOORS, OR CEILINGS SHALL BE SEALED TO MAINTAIN THE FIRE RATING.
- THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL OF ALL TOOLS, DEBRIS, AND GENERAL CLEAN UP FROM HIS WORK.
- ALL WORK SHALL BE COORDINATED WITH THE OTHER TRADES.
- THE ELECTRICAL CONTRACTOR SHALL MAKE ALL NECESSARY TESTS TO INSURE THAT THE ENTIRE INSTALLATION IS FREE FROM IMPROPER GROUNDS AND FROM SHORTED AND/OR OPEN CIRCUITS. VOLTAGE AND CURRENT TESTS SHALL BE MADE BEFORE ANY MOTORS ARE PLACED IN OPERATION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND PAYING FOR ALL REQUIRED PERMITS.
- THE ELECTRICAL CONTRACTOR SHALL GUARANTEE ALL WORK AND MATERIALS FOR A PERIOD OF ONE YEAR AFTER ACCEPTANCE OF THE WORK AND MATERIALS.
- ALL ELECTRICAL EQUIPMENT AND DEVICES SHALL BE LABELED WITH 1/2" DYNO TAPE FOR THE SOURCE AND CONTROL LOCATION.

KEYED NOTES

- RE-INSTALL RECEPTACLE AND DATA JACKS FOR A.T.M. AT LOCATION SHOWN. MODIFY AND EXTEND CIRCUITRY AND DATA CABLES TO NEW LOCATION. PROVIDE NEW CONDUIT, MC CABLE, WIRING AND DATA CABLES AS REQUIRED FOR A FULLY FUNCTIONAL INSTALLATION.
- PROVIDE NEW JUNCTION BOXES ABOVE CEILING FOR NEW MOTOR OPERATED DOORS. MODIFY AND EXTEND CIRCUITRY TO NEW LOCATION SHOWN. PROVIDE ALL CONDUIT, MC CABLE AND WIRING REQUIRED FOR A FULLY FUNCTIONAL INSTALLATION. PROVIDE PERIOD OF ONE YEAR AFTER ACCEPTANCE OF THE WORK AND MATERIALS. COORDINATE LOCATIONS AND INSTALLATION IN FIELD.
- PROVIDE 208V, 2-POLE TOGGLE SWITCH DISCONNECT AND CONNECTION TO NEW CEILING UNIT HEATER CUH-1. RECESS TOGGLE DISCONNECT IN GYP. CEILING AND PROVIDE FLUSH FACEPLATE FOR A CLEAN INSTALLATION. PROVIDE A 2-POLE 20A CIRCUIT BREAKER IN EXISTING GE PANELBOARD ERP-B AND CIRCUIT USING 3/4" EMT CONDUIT AND (3) #10, #10G. COORDINATE EXACT LOCATION AND INSTALLATION IN FIELD.
- PROVIDE RECEPTACLES AND DATA DEVICES AS SHOWN. RE-USE EXISTING AREA RECEPTACLE CIRCUIT AND MODIFY AND EXTEND TO NEW LOCATIONS AS SHOWN. PROVIDE ALL CONDUIT, MC CABLE AND WIRING REQUIRED FOR A FULLY FUNCTIONAL INSTALLATION.
- PROVIDE RECEPTACLES AND DATA DEVICES AS SHOWN. PROVIDE 3/4" CONDUIT, MC CABLE AND #12 WIRING AND CIRCUIT TO NEAREST AVAILABLE 120/208V PANEL WITH SPACE (PPP-1, PPP-2, LPK, DWR) VERIFY AVAILABLE SPACE IN PANELBOARDS PRIOR TO INSTALLATION. PROVIDE 20A, 1-POLE CIRCUIT BREAKER COMPATIBLE WITH EXISTING PANEL FOR EACH CIRCUIT SHOWN.
- E.C. SHALL RUN ALL DATA CABLE TO CAMPUS I.T. DATA RACK LOCATED IN THE SECOND FLOOR ELECTRICAL ROOM. PROVIDE 10' OF LOOSE COILED CABLE AT DATA RACK FOR TERMINATION BY CAMPUS I.T. PERSONNEL. PROVIDE J-HOOKS FROM DATA JACK LOCATIONS TO THIS ROOM. TAKE SPECIAL CARE TO ROUTE CABLES AND J-HOOKS ABOVE CEILING ELEMENTS TO LIMIT VISIBLE SECTIONS FROM PUBLIC VIEW. WHERE CABLES AND J-HOOKS MUST BRIDGE SMALL GAPS BETWEEN CEILING ELEMENTS. PAINT J-HOOKS TO MATCH OTHER EXPOSED BUILDING MATERIALS. ALSO TAKE SPECIAL CARE ON THE SECOND FLOOR AS THE CEILINGS IN THIS AREA ARE NOT BEING REPLACED. E.C. SHALL BE RESPONSIBLE FOR REMOVAL/RE-INSTALLATION OF EXISTING LIGHTS OR DEVICES AS REQUIRED FOR A COMPLETE AND FULLY FUNCTIONAL INSTALLATION. COORDINATE INSTALLATION WITH CAMPUS I.T. DEPARTMENT PERSONNEL.
- PROVIDE JUNCTION BOX AND CONNECTION AT DOOR FOR DOOR ALARM. PROVIDE 3/4" CONDUIT, MC CABLE AND #12 WIRING AND CIRCUIT TO NEAREST AVAILABLE 120/208V PANEL WITH SPACE (PPP-1, PPP-2, LPK, DWR) VERIFY AVAILABLE SPACE IN PANELBOARDS PRIOR TO INSTALLATION. COORDINATE LOCATION AND INSTALLATION WITH ARCHITECT AND CAMPUS PERSONNEL. PROVIDE 20A, 1-POLE CIRCUIT BREAKER COMPATIBLE WITH EXISTING PANEL FOR CIRCUIT FEED.

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ARCHITECT:



ENGINEER:



REVISIONS

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ELECTRICAL ALTERATIONS -
FIRST FLOOR

RCNJ No. 201437-01C
PHASE 2: ALTERATIONS
505 RAMAPO VALLEY RD.
MAHAH, NY 07430
18031.00



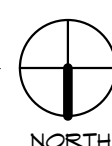
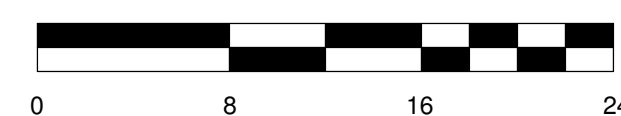
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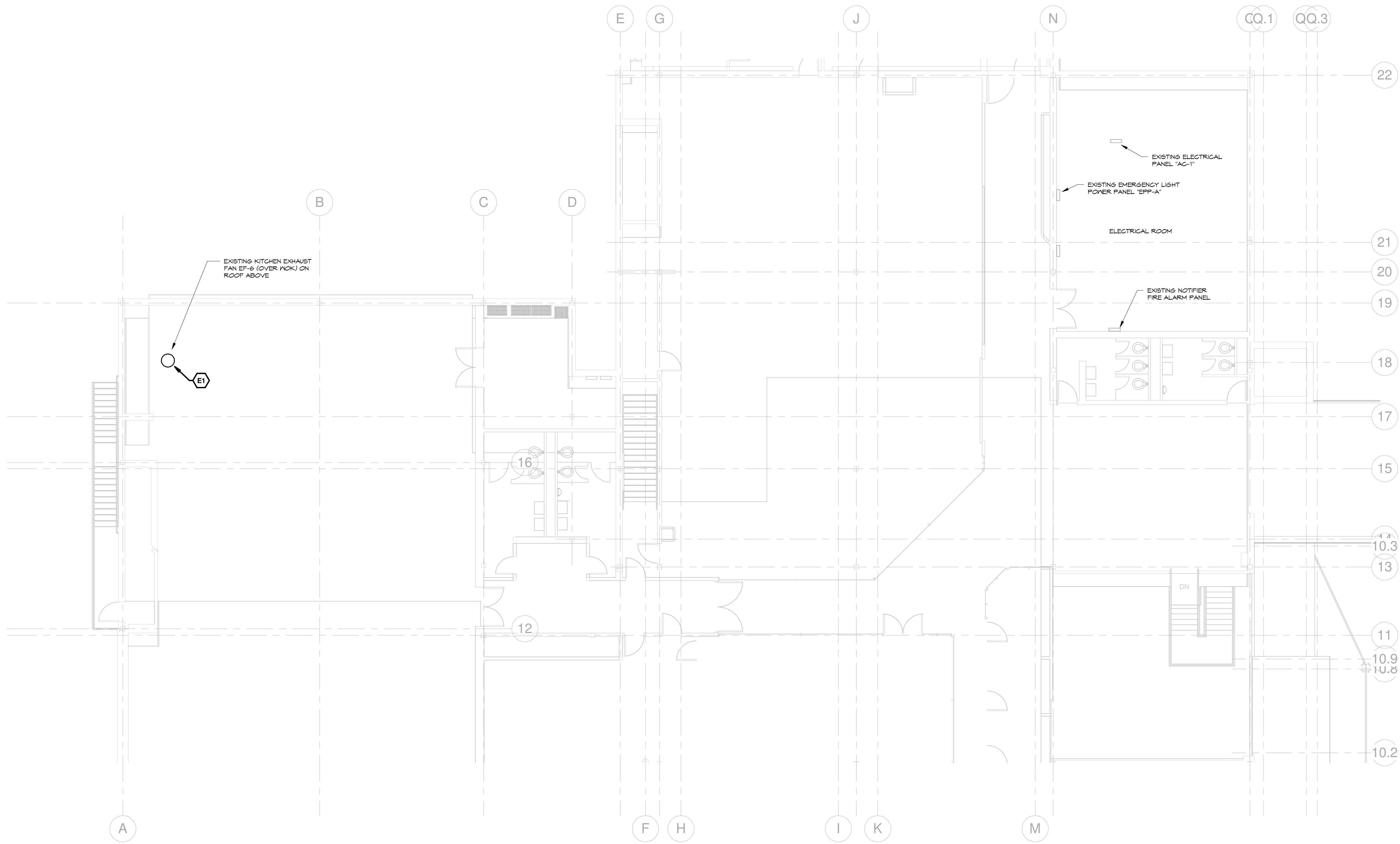
SHEET:

E-110

1 ELECTRICAL PLAN - FF1
1/8" = 1'-0"



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KEYED NOTES

E1. DISCONNECT POWER TO EXISTING 1HP, 480V, 3PH KITCHEN EXHAUST FAN (EF-6, OVER WOK) AND RE-CONNECT AFTER IT HAS BEEN REPLACED. LOCATE EXISTING DISCONNECT AND REPLACE FUSES WITH 10A SIZE AS REQUIRED FOR NEW 5HP, 480V, 3PH FAN. COORDINATE ALL WORK.

NJCA ELECTRONIC SUBMITAL STAMP:

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Tel: 607-723-9421 | mjinc.com

REVISIONS

DRAWN BY: BFD
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ELECTRICAL ALTERATIONS - SECOND FLOOR

RCNJ No. 201437-01/C
PHASE 2: ALTERATIONS
505 RAMAPO VALLEY RD.
MAHWAH, NY 07430
18031.00

**RAMAPO COLLEGE
OF NEW JERSEY**

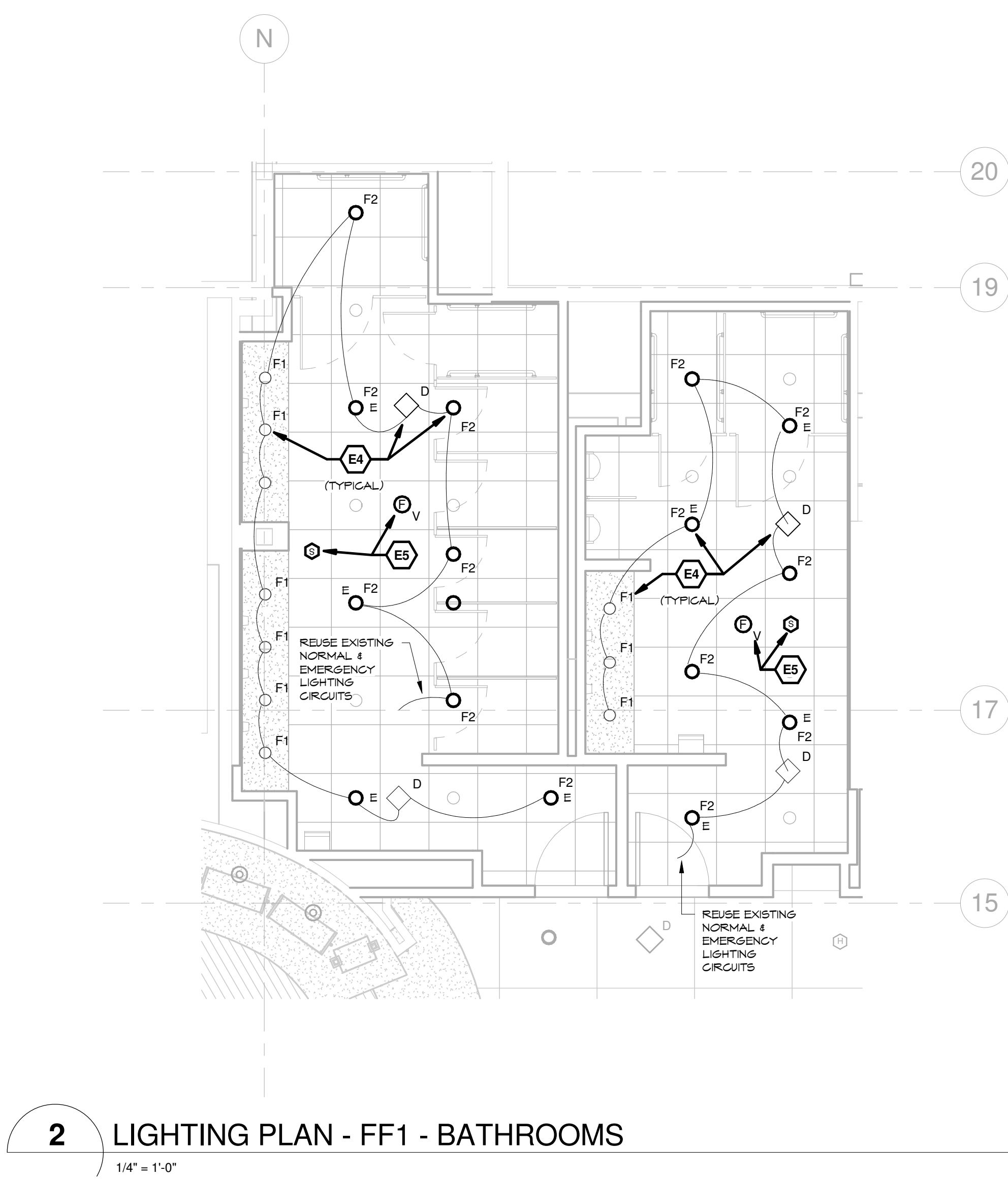
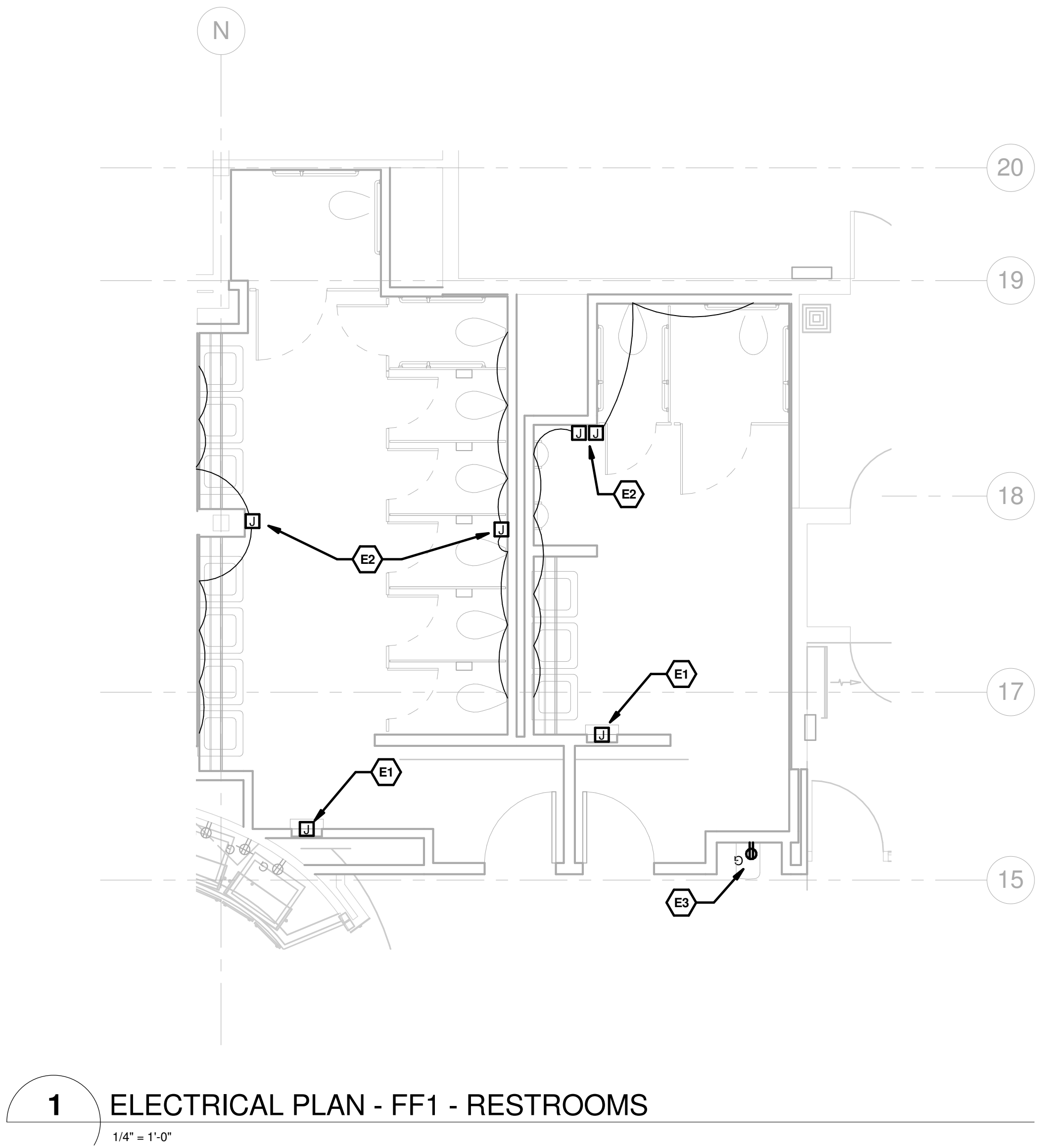


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3.24.2016

DESCRIPTION:
BID DOCUMENTS

SHEET:

E-111



KEYED NOTES

E1. MODIFY AND EXTEND EXISTING HAND DRYER CONDUIT AND CIRCUITRY TO NEW LOCATIONS SHOWN. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT IN FIELD.

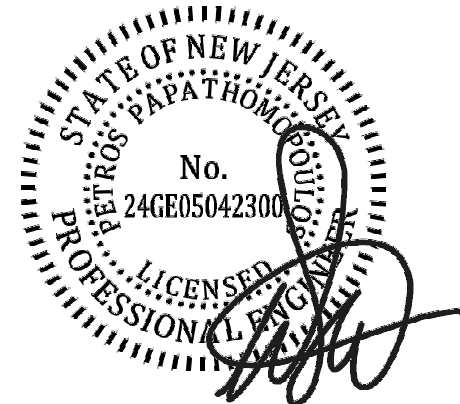
E2. MODIFY AND EXTEND EXISTING HAND DRYER CONDUIT AND CIRCUITRY TO FEED NEW SINK, URINAL AND TOILET AUTOMATIC FLUSH VALVE TRANSFORMERS. PROVIDE CONDUIT AND LOW VOLTAGE WIRING FROM TRANSFORMER LOCATIONS TO EACH SINK, URINAL AND TOILET AUTOMATIC FLUSH VALVE LOCATION. COORDINATE EXACT LOCATIONS IN FIELD. CONCEAL ALL CONDUIT AND WIRING WITHIN WALLS AND ABOVE CEILING. PROVIDE A FULLY FUNCTIONAL INSTALLATION.

E3. MODIFY AND EXTEND EXISTING DRINKING FOUNTAIN CONDUIT AND CIRCUITRY TO NEW LOCATION SHOWN. PROVIDE NEW GFCI OUTLET. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT IN FIELD.

E4. INSTALL NEW LIGHT FIXTURES AND DUAL TECHNOLOGY OCCUPANCY SENSORS AND CONNECT TO EXISTING CIRCUITRY. CONNECT EMERGENCY FIXTURES DEVOTED WITH "E" TO EXISTING EMERGENCY CIRCUIT. LINK OCCUPANCY SENSORS TOGETHER IN EACH BATHROOM TO WORK TO CONTROL AS A SINGLE SPACE. THE EMERGENCY FIXTURES SHALL ALSO BE TIED TO SAID OCCUPANCY SENSORS VIA AN EMERGENCY LIGHTING CONTROL UNIT WITH SWITCHED INPUT. PROVIDE NEW CONDUIT, WIRING AND MC CABLE AS REQUIRED TO FURNISH A FULLY FUNCTIONAL INSTALLATION.

E5. REINSTALL EXISTING FIRE ALARM DEVICES AND CONNECT TO EXISTING CIRCUITRY. PROVIDE NEW CONDUIT, WIRING AND MC CABLE AS REQUIRED TO FURNISH A FULLY FUNCTIONAL INSTALLATION.

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ARCHITECT:



ENGINEER:



REVISIONS

DRAWN BY: BFD
CHECKED BY: WEF

ELECTRICAL/ LIGHTING
ALTERATIONS - TOILET ROOMS

RCNJ No. 201437-01/C
PHASE 2: ALTERATIONS
505 RAMAPO VALLEY RD.
MAHWAH, NY 07430
18031.00

RAMAPO COLLEGE
OF NEW JERSEY



ISSUED:
3.24.2016

DESCRIPTION:
BID DOCUMENTS

SHEET:

E-112

KITCHEN EQUIPMENT SCHEDULE

| ItemNo | Quantity | Category | Mfr | Model | Voltage | Phase | Amps | Cycle | Hp | Kw | Connection Type | NEMA | Electical Connection Height | Cold Water (in) | Cold Water Conn. Height(in) | Hot Water (in) | Hot Water Conn. Height(in) | Indirect Waste Size | Direct Waste Size | Direct Waste Conn. Height(in) | Gas Size(in) | Gas Conn. Height (in) | Gas MBTU |
|--------|----------|---|--------------------|-----------------|---------|-------|-------|-------|-----|------|-----------------|-------|-----------------------------|-----------------|-----------------------------|----------------|----------------------------|---------------------|-------------------|-------------------------------|--------------|-----------------------|----------|
| 1 | 1 | Sandwich / Salad Preparation Refrigerator | Continental Refrig | SW72-30M-F8 | 115 | 1 | 7.6 | 60 | | | Cord & Plug | S-15P | | | | | | | | | 3/4" | | 215.0 |
| 2 | 1 | Range, 36", 6 Open Burners | Vulcan | 365-68 | | | | | | | | | | | | | | | | | 3/4" | | 102.0 |
| 3 | 1 | Charbroiler | Vulcan | VAC836 | | | | | | | | | | | | | | | | | 3/4" | | 108.0 |
| 4 | 1 | Countertop Griddle | Vulcan | 948EX | 120 | 1 | 1.0 | 60 | | | Cord & Plug | S-15P | | | | | | | | | 3/4" | | |
| 5 | 1 | Equipment Stand, Refrigerated Base | Vulcan | ARS84 | 115 | 1 | 12.0 | 60 | 1/2 | | Cord & Plug | S-15P | | | | | | | | | | | |
| 6 | 1 | Carving Station / Shelf | Hatco | DCS8400-3624-2 | 120 | 1 | 10.83 | 60 | | 1.3 | Cord & Plug | S-15P | | | | | | | | | | | |
| 7 | 1 | Fryer | Vulcan | LC500 | | | | | | | | | | | | | | | | | 3/4" | | 150.0 |
| 8 | 1 | Work Table | Advance Tabco | KSS-305 | | | | | | | | | | | | | | | | | | | |
| 9 | 1 | Dual Temp Food Well, Drop-In | Wells | HRCR-7300 | 115 | 1 | 5.6 | 60 | 1/3 | | Direct | | | | | | | | | | | | |
| 10 | 1 | Drop-In Sink | Advance Tabco | DI-1-2012 | | | | | | | Direct | | | | | | | | | | | | |
| 11 | 1 | Microwave Oven | ACP | RC310T5 | 120 | 1 | 15 | 60 | | 1 | Cord & Plug | S-15P | | | | | | | | | | | |
| 12 | 1 | Conveyor Toaster | Adcraft | CVYT-120 | 120 | 1 | | 60 | | 1.7 | | | | | | | | | | | | | |
| 13 | 1 | Reach-In Freezer | True | STG1F-15 | 115 | 1 | 6.8 | 60 | 1/2 | | Cord & Plug | S-15P | | | | | | | | | | | |
| 14 | 1 | Reach-In Refrigerator | True | STG1R-15 | 115 | 1 | 4.8 | 60 | 1/3 | | Cord & Plug | S-15P | | | | | | | | | | | |
| 15 | 1 | Heated Shelf Food Warmer | Hatco | GRS-72-L | 120 | 1 | | 60 | | 1.45 | Cord & Plug | S-15P | | | | | | | | | | | |
| 16 | | Spare Number | | | | | | | | | | | | | | | | | | | | | |
| 17 | 2 | Drop-In Hot Well | Wells | SS-10 | 120 | 1 | 3.75 | 60 | | 0.45 | Direct | | | | | | | | | | | | |
| 18 | 1 | Display Freezer | Entree | OFL-40 | 115 | 1 | 1.0 | 60 | 1/8 | | Cord & Plug | S-15P | | | | | | | | | | | |
| 19 | 1 | Dipper Well | AllPoints | 56-1462 | | | | | | | | | | | | | | | | | | | |
| 20 | 1 | LShaped Work Table | Advance Tabco | KIMS-307 | | | | | | | | | | | | | | | | | | | |
| | 1 | | Advance Tabco | TA-11A-2 | | | | | | | | | | | | | | | | | | | |
| 21 | 4 | Decorative Lamp | Hatco | DL-775-CL | 120 | 1 | 2.08 | 60 | | .25 | Direct | | | | | | | | | | | | |
| | 4 | | Hatco | DL-SWITCH-16AMP | | | 16.0 | | | | | | | | | | | | | | | | |
| 22 | 1 | Reach-In Undercounter Refrigerator | Beverage Air | UCR60A | 115 | 1 | 8.2 | 60 | 1/4 | | | | | | | | | | | | | | |

EXISTING EQUIPMENT SCHEDULE

| | |
|---------------|-------------------------------------|
| DESSERT | |
| EQ16 | EXISTING COLD WELL |
| GRILL | |
| EQ3 | EXISTING HOT WELL |
| EQ4 | EXISTING HOT WELL |
| EQ6 | EXISTING FRYER |
| EQ7 | EXISTING CONVECTION OVEN |
| HOMETOWN | |
| EQ5 | EXISTING HOT WELL |
| EQ8 | EXISTING REFRIDGERATOR |
| EQ9 | EXISTING WALL MOUNTED SINK |
| MEDITERRANEAN | |
| EQ1 | EXISTING HOT WELL |
| EQ2 | EXISTING HOT WELL |
| PIZZA | |
| EQ10 | EXISTING IMPINGER |
| EQ11 | EXISTING PAN RACK |
| EQ12 | EXISTING PIZZA MAKE TABLE |
| SALAD | |
| EQ17 | EXISTING COLD WELL |
| EQ18 | EXISTING HOT WELL |
| SANDWICH | |
| EQ19 | EXISTING COLD WELL |
| EQ20 | EXISTING HAND SINK |
| WOK | |
| EQ14 | EXISTING HOT WELL |
| EQ15 | EXISTING HOT WELL |
| EQ21 | EXISTING SINK |
| EQ22 | EXISTING UNDERCOUNTER REFRIDGERATOR |
| EQ23 | EXISTING UNDERCOUNTER REFRIDGERATOR |
| BREAKFAST | |
| EQ13 | EXISTING HOT WELL |

GENERAL NOTES

- PROVIDE ALL CONDUIT, WIRING, HANGERS, SUPPORTS, AND MISCELLANEOUS COMPONENTS REQUIRED TO FURNISH A FULLY OPERATIONAL INSTALLATION. EXISTING POWER FEEDS TO WORK AND SERVICE LINE ISLANDS IS IN OR UNDER THE EXISTING SLAB. COORDINATE ALTERATION WORK TO RE-USE EXISTING FLOOR PENETRATIONS AND IN SLAB CONDUIT WHERE POSSIBLE. COORDINATE EXISTING CONDUIT FLOOR PENETRATIONS AND EQUIPMENT FEEDS WITH ARCHITECT AND NEW CASEWORK.
-

KEYED NOTES

- E1.** MODIFY AND EXTEND EXISTING POWER AND CIRCUITRY AS REQUIRED TO RE-CONNECT POWER TO EXISTING KITCHEN WOK EQUIPMENT EQ-14, EQ-15, EQ-22 & EQ-23.
- E2.** MODIFY AND EXTEND EXISTING POWER AND CIRCUITRY AS REQUIRED TO RE-CONNECT POWER TO EXISTING RE-LOCATED KITCHEN EQUIPMENT EQ-13 AND EQ-16.
- E3.** DISCONNECT POWER TO EXISTING 208V INDUCTION RANGES. MODIFY AND EXTEND (1) EXISTING CIRCUIT FOR CONNECTION TO NEW SANDWICH/SALAD PREP REFRIGERATOR. REMOVE OTHER CIRCUIT BACK TO SOURCE PANEL PPP-2 AND RE-LABEL CIRCUIT BREAKER SPARE.
- E4.** COUNTERTOP GRIDDLE: PROVIDE NEW 120V, 5-20R RECEPTACLE. PROVIDE A 1-POLE, 20A CIRCUIT BREAKER IN EXISTING PANEL PPP-2 AND (2) #12, #12G IN 3/4" CONDUIT TO FEED NEW EQUIPMENT. CONCEAL CONDUIT IN WALL AND ABOVE CEILING TO MINIMIZE VISIBILITY. IN EXPOSED CEILING AREA, PAINT TO MATCH EXISTING FINISH. COORDINATE INSTALLATION AND LOCATION OF EQUIPMENT IN FIELD.
- E5.** DUAL TEMP DROP IN FOOD WELLS: PROVIDE A 1-POLE, 20A CIRCUIT BREAKER IN EXISTING PANEL PPP-1 OR PPP-2 AND (2) #12, #12G IN 3/4" CONDUIT TO FEED NEW 120V FOOD WELL. PROVIDE A 2-POLE, 20A CIRCUIT BREAKER IN EXISTING PANEL PPP-1 OR PPP-2 AND (3) #12, #12G IN 3/4" CONDUIT TO FEED NEW 208V FOOD WELL. USE EXISTING IN SLAB CONDUITS OR PROVIDE NEW FEED FROM NEW WALL AND INSIDE CASEWORK. CONCEAL CONDUIT IN WALL, CASEWORK, AND ABOVE CEILING TO MINIMIZE VISIBILITY. IN EXPOSED CEILING AREA, PAINT TO MATCH EXISTING FINISH. COORDINATE INSTALLATION AND LOCATION OF EQUIPMENT IN FIELD.
- E6.** DISCONNECT POWER TO ACCOMMODATE REMOVAL OF EXISTING HOT WELLS. CONNECT (1) EXISTING 120V CIRCUIT TO NEW REPLACEMENT HOT WELLS (3,75A EA). MODIFY AND EXTEND SECOND EXISTING CIRCUIT TO FEED NEW DISPLAY FREEZER (1A, 5-15P). PROVIDE NEW 5-20R RECEPTACLE FOR DISPLAY FREEZER.
- E7.** EQUIPMENT STAND, REFRIGERATED BASE: PROVIDE NEW 120V, 5-20R RECEPTACLE. PROVIDE A 1-POLE, 20A CIRCUIT BREAKER IN EXISTING PANEL PPP-2 AND (2) #12, #12G IN 3/4" CONDUIT TO FEED NEW EQUIPMENT. CONCEAL CONDUIT IN WALL AND ABOVE CEILING TO MINIMIZE VISIBILITY. IN EXPOSED CEILING AREA, PAINT TO MATCH EXISTING FINISH. COORDINATE INSTALLATION AND LOCATION OF EQUIPMENT IN FIELD.
- E8.** RE-USE EXISTING RECEPTACLE TO POWER NEW REACH-IN UNDERCOUNTER REFRIGERATOR. MODIFY AND EXTEND LOCATION AS REQUIRED. COORDINATE INSTALLATION AND LOCATION OF EQUIPMENT IN FIELD.
- E9.** REMOVE EXISTING 208V CIRCUIT AND RECEPTACLE TO FEED A NEW 120V CARVING STATION (5-15P). PROVIDE A 5-20R RECEPTACLE AND MODIFY EXISTING WIRING AS REQUIRED. FIELD VERIFY AND REPLACE EXISTING CIRCUIT 2-POLE BREAKER WITH (2) NEW 20A/1P CIRCUIT BREAKERS. REUSE (1) FOR 120V CARVING STATION. RE-USE EXISTING IN SLAB CONDUIT FOR POWER FEED. PROVIDE NEW #12 WIRING AND COORDINATE INSTALLATION AND LOCATION OF EQUIPMENT IN FIELD.
- E10.** RE-USE EXISTING RECEPTACLE TO POWER NEW HEATED SHELF FOOD WARMER. MODIFY AND EXTEND LOCATION AS REQUIRED. COORDINATE INSTALLATION AND LOCATION OF EQUIPMENT IN FIELD.
- E11.** MICROWAVE OVEN: PROVIDE A 1-POLE, 20A CIRCUIT BREAKER IN EXISTING PANEL PPP-1 OR PPP-2 AND (2) #12, #12G IN 3/4" CONDUIT TO FEED NEW 120V, 20A DUPLEX RECEPTACLE. CONCEAL CONDUIT IN WALL AND ABOVE CEILING TO MINIMIZE VISIBILITY. IN EXPOSED CEILING AREA, PAINT TO MATCH EXISTING FINISH. COORDINATE INSTALLATION AND LOCATION OF EQUIPMENT IN FIELD.
- E12.** CONVEYOR TOASTER: PROVIDE A 1-POLE, 20A CIRCUIT BREAKER IN EXISTING PANEL PPP-1 OR PPP-2 AND (2) #12, #12G IN 3/4" CONDUIT TO FEED NEW 120V, 20A DUPLEX RECEPTACLE. CONCEAL CONDUIT IN WALL AND ABOVE CEILING TO MINIMIZE VISIBILITY. IN EXPOSED CEILING AREA, PAINT TO MATCH EXISTING FINISH. COORDINATE INSTALLATION AND LOCATION OF EQUIPMENT IN FIELD. (TYPICAL FOR 2 LOCATIONS)
- E13.** REACH IN FREEZER AND REACH IN REFRIGERATOR: PROVIDE A 1-POLE, 20A CIRCUIT BREAKER IN EXISTING PANEL PPP-1 OR PPP-2 AND (2) #12, #12G IN 3/4" CONDUIT TO FEED NEW 120V, 20A DUPLEX RECEPTACLE. CONCEAL CONDUIT IN WALL AND ABOVE CEILING TO MINIMIZE VISIBILITY. IN EXPOSED CEILING AREA, PAINT TO MATCH EXISTING FINISH. COORDINATE INSTALLATION AND LOCATION OF EQUIPMENT IN FIELD. (TYPICAL FOR EACH PIECE OF EQUIPMENT)
- E14.** RE-USE EXISTING RECEPTACLE CIRCUIT TO POWER NEW RECEPTACLES. MODIFY & EXTEND CIRCUITRY AS REQUIRED. PROVIDE CONDUIT, MC CABLE AND #12 WIRING REQUIRED TO FURNISH A FULLY FUNCTIONAL INSTALLATION.
- E15.** PROVIDE A 1-POLE, 20A CIRCUIT BREAKER IN EXISTING PANEL PPP-1 OR PPP-2 AND (2) #12, #12G IN 3/4" CONDUIT TO FEED NEW 120V, HEAT LAMPS (EQUIPMENT #21) AND CONTROL SWITCH. INSTALL CONTROL SWITCH AT SERVER STATION. COORDINATE EXACT LOCATION IN FIELD. CONCEAL CONDUIT IN WALL AND ABOVE CEILING TO MINIMIZE VISIBILITY. IN EXPOSED CEILING AREA, PAINT TO MATCH EXISTING FINISH. COORDINATE INSTALLATION AND LOCATION OF EQUIPMENT IN FIELD.

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REVISIONS

DRAWN BY: BFD
CHECKED BY: WEF

ELECTRICAL ALTERATIONS -
SERVERY - ALTERNATE #1

RCNJ No. 201437-01/C
PHASE 2: ALTERATIONS
505 RAMAPO VALLEY RD.
MAHWAH, NY 07430
18031.00



ISSUED:
3.24.2016

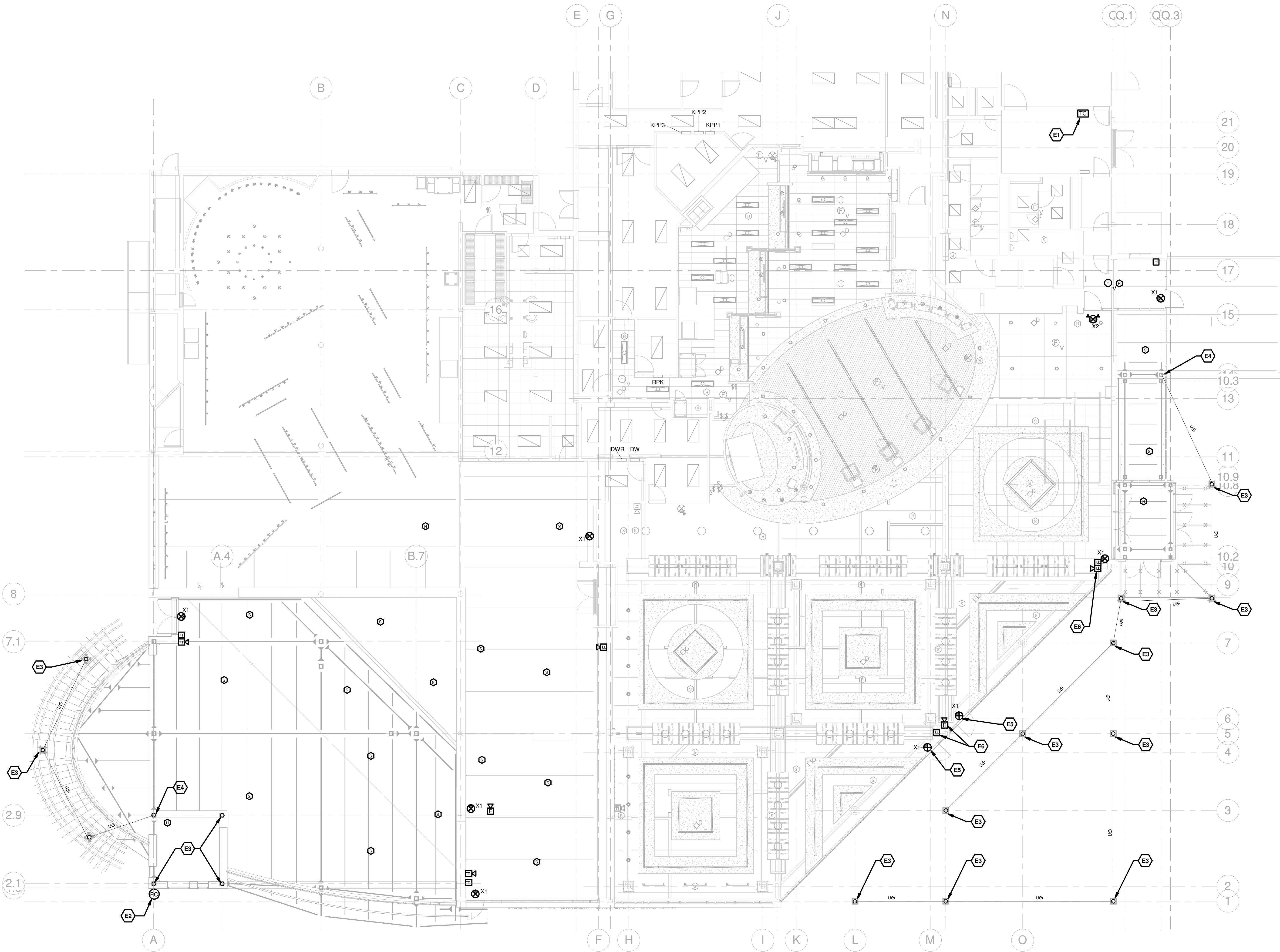
DESCRIPTION:
BID DOCUMENTS

SHEET:
E-113

1 ELECTRICAL PLAN - FF1 - SERVERY

1/4" = 1'-0"

ADD/ALT 1



1 LIGHTING PLAN - FF1 PH2
1/8" = 1'-0"

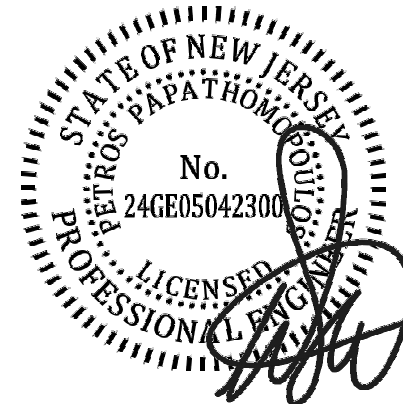
GENERAL NOTES

1. DEVICES SHOWN AS LIGHT OR SHADED ARE EXISTING TO REMAIN UNLESS OTHERWISE NOTED.

KEYED NOTES

- E1. PROVIDE 2-CHANNEL TIME CLOCK IN ELECTRICAL ROOM FOR CONTROL OF NEW EXTERIOR COLUMN LIGHTS IN ELECTRICAL ROOM. COORDINATE EXACT LOCATION IN FIELD. BASIS OF DESIGN: INTERMATIC ET9021 SC.
- E2. PROVIDE LIGHTING PHOTOCELL FOR CONTROL OF EXTERIOR COLUMN LIGHTS IN CONJUNCTION WITH NEW TIME CLOCK. MOUNT PHOTOCELL ON OUTSIDE FACE OF ROOF CANOPY. FLUSH MOUNTED AT 21'-0" AFF.
- E3. PROVIDE 3/4" RGS CONDUIT WITH #12 WIRE FROM TIME CLOCK AND PHOTOCELL TO COLUMN LIGHT LOCATIONS. REFER TO ARCHITECTURAL FLOOR & ELEVATION PLANS FOR LOCATIONS. COLUMN SPECIFIED IN A-SERIES DRAWINGS. WIRED & INSTALLED PER DIVISION 26. CONDUIT AND WIRING CONNECTIONS TO THE POWER SOURCE WILL BE PROVIDED IN FUTURE PHASE. CONTROLS SHALL BE PHOTOCELL "ON", TIME CLOCK "OFF". PROVIDE ALL CONDUIT, BOXES, WIRING, TRENCHING & SAWCUTTING, & MISCELLANEOUS HARDWARE REQUIRED FOR LIGHT LOCATIONS SHOWN.
- E4. CONDUITS SHALL RUN FROM PHOTOCELL TO TIMECLOCK. FROM TIMECLOCK, CONDUITS SHALL RUN TO TWO INTERIOR COLUMNS (ONE AT VESTIBULE/SEATING EXPANSION, ONE AT RESIDENTIAL DINING EXPANSION), THEN CONTINUE IN SERIES TO REMAINING COLUMNS.
- E5. REINSTALL EXIT SIGN REMOVED DURING DEMOLITION.
- E6. REINSTALL FIRE ALARM DEVICES REMOVED DURING DEMOLITION.

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REVISIONS

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LIGHTING - FIRST FLOOR

RCNJ No. 201437-01/C
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505 RAMAPO VALLEY RD.
MAHWAH, NY 07430
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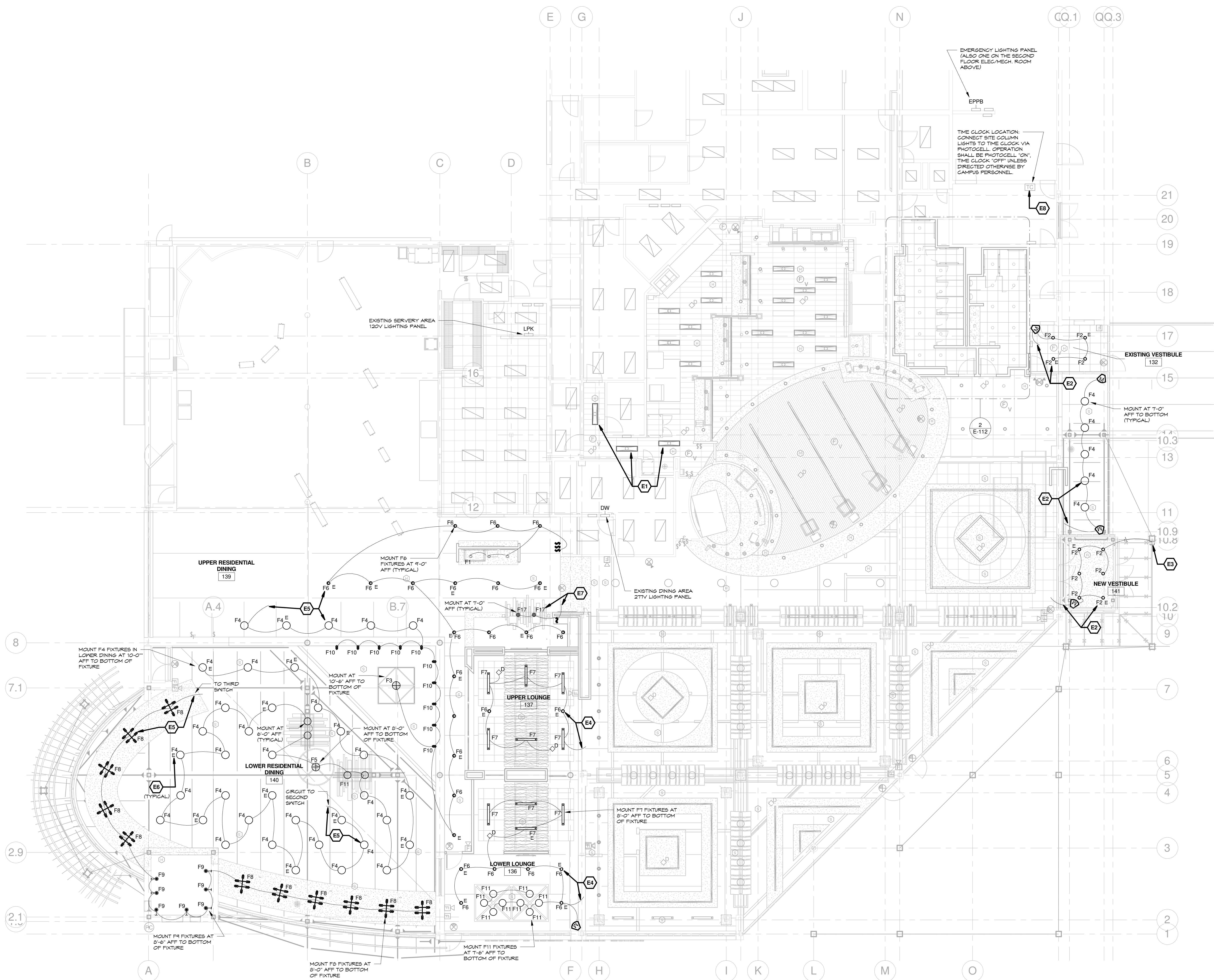


ISSUED:
3.24.2016

DESCRIPTION:
BID DOCUMENTS

SHEET:

E-200



1 LIGHTING PLAN - FF1
1/8" = 1'-0"

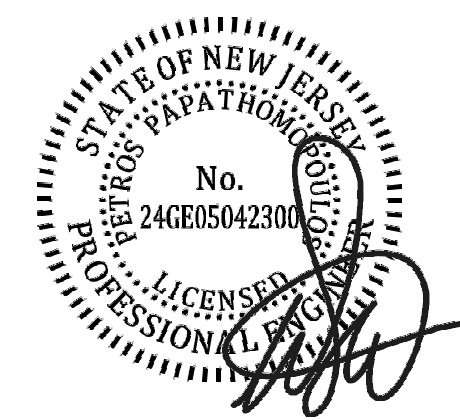
GENERAL NOTES

- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL MATERIAL AND EQUIPMENT IN ACCORDANCE WITH THE CURRENT N.E.C. (NATIONAL ELECTRICAL CODE).
- ALL WORK SHALL BE INSTALLED NEAT AND WORKMANLIKE, COMPLYING WITH THE STANDARDS OF N.E.C.
- THE CONTRACTOR SHALL VISIT THE JOB SITE AND VERIFY ALL CONDITIONS, LOCATIONS, DIMENSIONS, AND COUNTS AS SHOWN AND NOTED ON THE DRAWINGS FOR THIS WORK PRIOR TO BIDDING. NO ADDITIONAL COST WILL BE ISSUED FOR FAILURE TO COMPLY WITH THIS REQUIREMENT.
- THE CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIAL, AND SUPERVISION NECESSARY TO ACCOMPLISH THE WORK AS SHOWN AND NOTED ON THE DRAWINGS. ANY DEVIATION FROM THE DRAWINGS SHALL BE APPROVED BY THE OWNER.
- THE ELECTRICAL CONTRACTOR SHALL DO ALL CUTTING AND PATCHING OF THE BUILDING MATERIALS REQUIRED FOR THE INSTALLATION OF HIS WORK. ALL FIRE RATED WALLS, FLOORS, OR CEILINGS SHALL BE SEALED TO MAINTAIN THE FIRE RATING.
- THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL OF ALL TOOLS, DEBRIS, AND GENERAL CLEAN UP FROM HIS WORK.
- ALL WORK SHALL BE COORDINATED WITH THE OTHER TRADES.
- THE ELECTRICAL CONTRACTOR SHALL MAKE ALL NECESSARY TESTS TO INSURE THAT THE ENTIRE INSTALLATION IS FREE FROM IMPROPER GROUNDS AND FROM SHORTED AND/OR OPEN CIRCUITS. VOLTAGE AND CURRENT TESTS SHALL BE MADE BEFORE ANY MOTORS ARE PLACED IN OPERATION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND PAYING FOR ALL REQUIRED PERMITS.
- THE ELECTRICAL CONTRACTOR SHALL GUARANTEE ALL WORK AND MATERIALS FOR A PERIOD OF ONE YEAR AFTER ACCEPTANCE OF THE WORK AND MATERIALS.
- ALL ELECTRICAL EQUIPMENT AND DEVICES SHALL BE LABELED WITH 1/2" DYNQ TAPE FOR THE SOURCE AND CONTROL LOCATION.

KEYED NOTES

- REPLACE (3) EXISTING 1'x4' SURFACE MOUNT FIXTURES WITH NEW LED FIXTURE. BASIS OF DESIGN: LITHONIA BL4 30L E21 LP835. TURN EXISTING FLUORESCENT FIXTURES OVER TO CAMPUS PERSONNEL. RE-USE EXISTING CIRCUITRY.
- PROVIDE NEW FIXTURES AND CORNER MOUNT OCCUPANCY SENSOR AS SHOWN. CONNECT TO EXISTING NORMAL AND EMERGENCY POWER CIRCUITS. FIXTURES DENOTED WITH AN "E" SHALL BE ON EMERGENCY CIRCUIT. PROVIDE EMERGENCY LIGHTING CONTROL UNITS TO ALLOW EMERGENCY FIXTURES TO BE SWITCHED WITH OTHER NEARBY "NORMAL POWER" AREA LIGHTING. PROVIDE ALL CONDUIT, WHIPS AND WIRING REQUIRED FOR A FULLY FUNCTIONAL INSTALLATION.
- PROVIDE NEW EMERGENCY FIXTURE ON UPPER COLUMN SECTION. BASIS OF DESIGN: LITHONIA AFN B EXT FWD. CONNECT TO VESTIBULE LIGHTING CIRCUITRY. PROVIDE ALL CONDUIT AND WIRING REQUIRED FOR A FULLY FUNCTIONAL INSTALLATION. COORDINATE LOCATION AND INSTALLATION IN THE FIELD.
- PROVIDE NEW FIXTURES AND OCCUPANCY SENSORS AS SHOWN. CONNECT TO ADJACENT DINING AREA LIGHTING CIRCUIT. FIXTURES DENOTED WITH AN "E" SHALL BE CONNECTED TO THE EXISTING EMERGENCY LIGHTING CIRCUITRY. OCCUPANCY SENSORS SHALL BE LINKED TOGETHER FOR CONTROL AS A SINGLE SPACE. PROVIDE EMERGENCY LIGHTING CONTROL UNITS TO ALLOW EMERGENCY FIXTURES TO BE SWITCHED WITH OTHER NEARBY "NORMAL POWER" AREA LIGHTING. PROVIDE ALL CONDUIT, WHIPS AND WIRING REQUIRED FOR A FULLY FUNCTIONAL INSTALLATION. PAINT ALL CONDUIT/WHIPS VISIBLE TO PUBLIC TO MATCH OTHER EXPOSED BUILDING ELEMENTS.
- PROVIDE NEW FIXTURES AND OCCUPANCY SENSORS AS SHOWN. CONNECT TO EXISTING NORMAL AND EMERGENCY POWER CIRCUITS. FIXTURES DENOTED WITH AN "E" SHALL BE ON EMERGENCY CIRCUIT. OCCUPANCY SENSORS SHALL BE LINKED TOGETHER FOR CONTROL AS A SINGLE SPACE. PROVIDE EMERGENCY LIGHTING CONTROL UNITS TO ALLOW EMERGENCY FIXTURES TO BE SWITCHED WITH OTHER NEARBY "NORMAL POWER" AREA LIGHTING. PROVIDE ALL CONDUIT, WHIPS AND WIRING REQUIRED FOR A FULLY FUNCTIONAL INSTALLATION. PAINT ALL CONDUIT/WHIPS VISIBLE TO PUBLIC TO MATCH OTHER EXPOSED BUILDING ELEMENTS.
- RE-USE EXISTING AREA EMERGENCY LIGHTING CIRCUIT FOR NEW EMERGENCY FIXTURES. PROVIDE ALL CONDUIT, WHIPS AND WIRING AS REQUIRED TO CIRCUIT AS SHOWN ON DRAWING. PROVIDE EMERGENCY LIGHTING CONTROL UNITS TO ALLOW EMERGENCY FIXTURES TO BE SWITCHED WITH OTHER NEARBY "NORMAL POWER" AREA LIGHTING. PAINT ALL CONDUIT/WHIPS VISIBLE TO PUBLIC TO MATCH OTHER EXPOSED BUILDING ELEMENTS.
- PROVIDE NEW FIXTURES AND SWITCH AS SHOWN. CONNECT TO NEAREST 120V TRACK LIGHTING CIRCUIT. PROVIDE ALL CONDUIT, WHIPS AND WIRING REQUIRED FOR A FULLY FUNCTIONAL INSTALLATION. PAINT ALL CONDUIT/WHIPS VISIBLE TO PUBLIC TO MATCH OTHER EXPOSED BUILDING ELEMENTS.
- PROVIDE 20A, 1-POLE CIRCUIT BREAKER IN NEARBY 277V PANEL EPPB AND CONDUIT & CIRCUITRY TO TIME CLOCK FOR EXTERIOR BUILDING AND COLUMN POLE LIGHTS. PROVIDE ALL CONDUIT, MC CABLE AND #12 WIRING REQUIRED FOR A FULLY FUNCTIONAL INSTALLATION.

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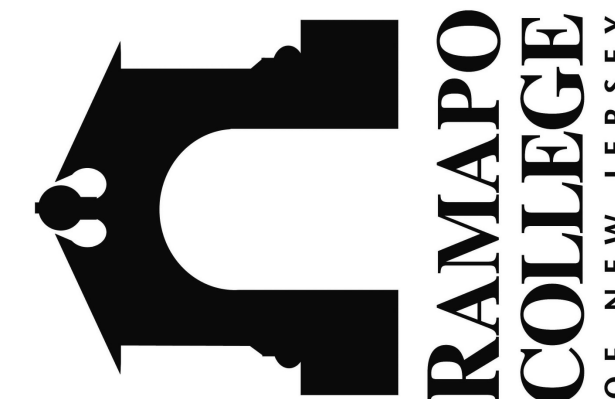
REVISIONS

DRAWN BY: BFD
CHECKED BY: WEF

LIGHTING ALTERATIONS - FIRST FLOOR

RCNJ No. 201437-01/C
PHASE 2: ALTERATIONS
505 RAMAPO VALLEY RD.
MAHWAH, NY 07430
18031.00

**RAMAPO COLLEGE
OF NEW JERSEY**



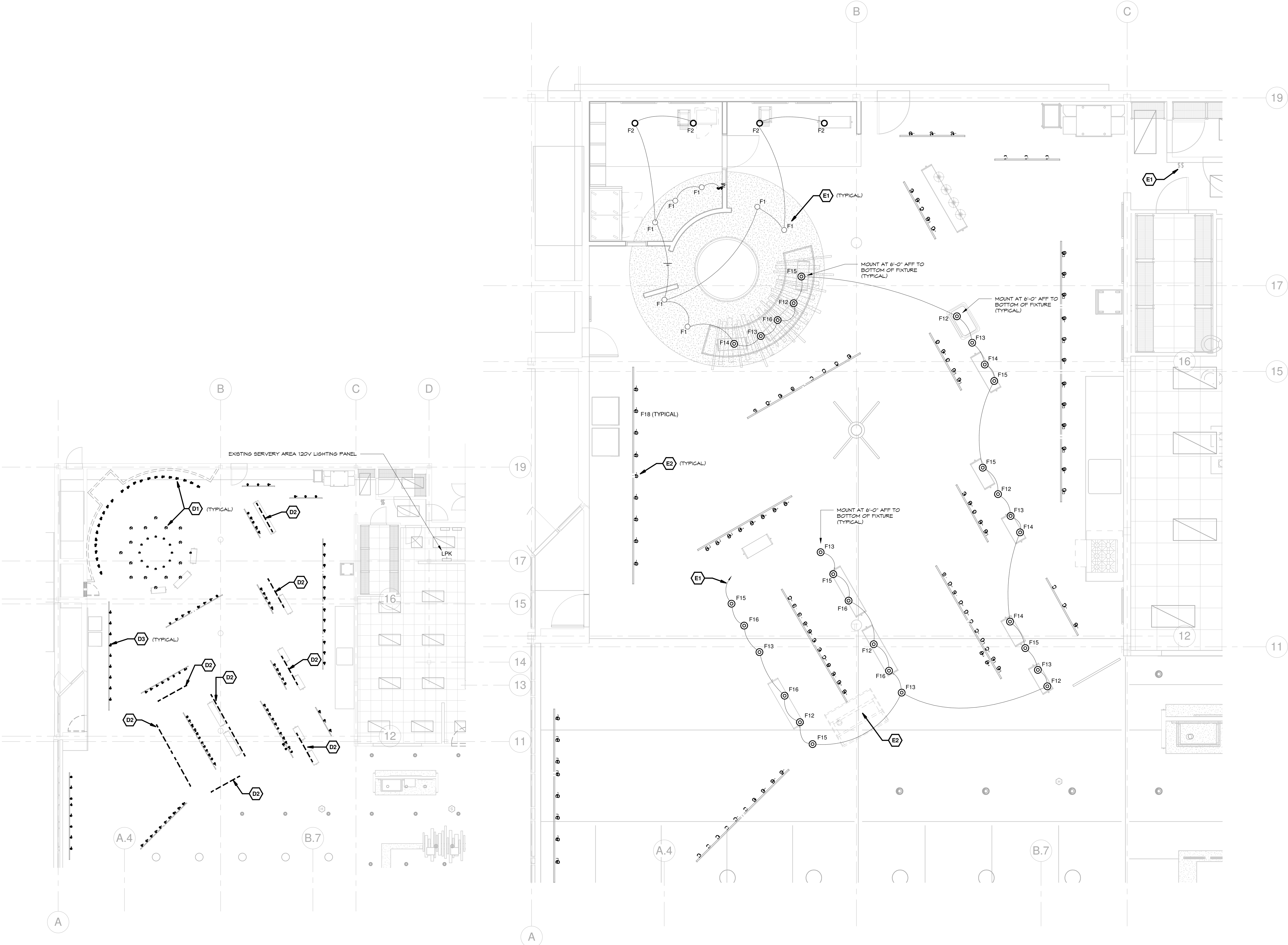
ISSUED:
3.24.2016

DESCRIPTION:
BID DOCUMENTS

SHEET:

E-210

| SERVERY LIGHT FIXTURE SCHEDULE | | | | | | | |
|--------------------------------|-----------------------------|-------------------------|----------------------------------|------|---------|----------------|--|
| Type Mark | Description | Manufacturer | Model | Lamp | Voltage | Mounting | Comments |
| F1 | 4" LED Recessed Downlight | Cooper Industries, Inc. | LD4A1300D010TE ERWA13930 4LWO WH | LED | 120/277 | Recessed | |
| F2 | 6" LED Recessed Downlight | Cooper Lighting | LD6A20D010TE ERW6A20830 6LWO WH | LED | 120/277 | Recessed | |
| F12 | Decorative Milk Can Fixture | Hi-Lite Manufacturing | H-2046 ST1/8 STC | LED | 120 | Pendant | Finish Selection by Architect. Provide Philips 100W EQUIV. LED A19 |
| F13 | Decorative Milk Can Fixture | Hi-Lite Manufacturing | H-7106 ST1/8 STC | LED | 120 | Pendant | Finish Selection by Architect. Provide Philips 100W EQUIV. LED A19 |
| F14 | Decorative Shade Fixture | Hi-Lite Manufacturing | H-15006 ST1/8 STC | LED | 120 | Pendant | Finish Selection by Architect. Provide Philips 100W EQUIV. LED A19 |
| F15 | Decorative Shade Fixture | Hi-Lite Manufacturing | H-16006 ST1/8 STC | LED | 120 | Pendant | Finish Selection by Architect. Provide Philips 100W EQUIV. LED A19 |
| F16 | Decorative Shade Fixture | Hi-Lite Manufacturing | H-19006 ST1/8 STC | LED | 120 | Pendant | Finish Selection by Architect. Provide Philips 100W EQUIV. LED A19 |
| F18 | LED Track Head | Philips Lighting | 9030N LR F BK | LED | 120 | Existing Track | Fixture must be compatible with existing Lightolier line voltage track |



1 LIGHTING DEMO PLAN - SERVERY
1/8" = 1'-0"

2 LIGHTING PLAN - FF1 - SERVERY
1/4" = 1'-0"

GENERAL NOTES

1. DEVICES SHOWN AS LIGHT OR SHADED ARE EXISTING TO REMAIN UNLESS OTHERWISE NOTED.
2. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL MATERIAL AND EQUIPMENT IN ACCORDANCE WITH THE CURRENT N.E.C. (NATIONAL ELECTRICAL CODE).
3. ALL WORK SHALL BE INSTALLED NEAT AND WORKSMANLIKE COMPLYING WITH THE STANDARDS OF N.E.C..
4. THE CONTRACTOR SHALL VISIT THE JOB SITE AND VERIFY ALL CONDITIONS, LOCATIONS, DIMENSIONS, AND COUNTS AS SHOWN AND NOTED ON THE DRAWINGS FOR THIS WORK PRIOR TO BIDDING. NO ADDITIONAL COST WILL BE ISSUED FOR FAILURE TO COMPLY WITH THIS REQUIREMENT.
5. THE CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIAL, AND SUPERVISION NECESSARY TO ACCOMPLISH THE WORK AS SHOWN AND NOTED ON THE DRAWINGS. ANY DEVIATION FROM THE DRAWINGS SHALL BE APPROVED BY THE OWNER.
6. THE ELECTRICAL CONTRACTOR SHALL DO ALL CUTTING AND PATCHING OF THE BUILDING MATERIALS REQUIRED FOR THE INSTALLATION OF HIS WORK. ALL FIRE RATED WALLS, FLOORS, OR CEILINGS SHALL BE SEALED TO MAINTAIN THE FIRE RATING.
7. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL OF ALL TOOLS, DEBRIS, AND GENERAL CLEAN UP FROM HIS WORK.
8. ALL WORK SHALL BE COORDINATED WITH THE OTHER TRADES.
9. THE ELECTRICAL CONTRACTOR SHALL MAKE ALL NECESSARY TESTS TO INSURE THAT THE ENTIRE INSTALLATION IS FREE FROM IMPROPER GROUNDS AND FROM SHORTED AND/OR OPEN CIRCUITS. VOLTAGE AND CURRENT TESTS SHALL BE MADE BEFORE ANY MOTORS ARE PLACED IN OPERATION.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND PAYING FOR ALL REQUIRED PERMITS.
11. THE ELECTRICAL CONTRACTOR SHALL GUARANTEE ALL WORK AND MATERIALS FOR A PERIOD OF ONE YEAR AFTER ACCEPTANCE OF THE WORK AND MATERIALS.
12. ALL ELECTRICAL EQUIPMENT AND DEVICES SHALL BE LABELED WITH 1/2" DYNO TAPE FOR THE SOURCE AND CONTROL LOCATION.

DEMO KEYED NOTES

- D1.** DISCONNECT AND REMOVE EXISTING PENDANT FIXTURES OVER WOK AREA. REMOVE CONDUIT, WHIPS AND CIRCUITRY TO NEAREST HOMERUN JUNCTION BOX. LABEL CIRCUITRY FOR RE-USE.
- D2.** DISCONNECT AND REMOVE EXISTING JUNO TRACK LIGHTING AND PENDANT FIXTURES AT SERVER LINES. REMOVE CONDUIT, WHIPS AND CIRCUITRY TO NEAREST HOMERUN JUNCTION BOX. LABEL CIRCUITRY FOR RE-USE.
- D3.** REMOVE EXISTING TRACK HEADS FROM EXISTING BLACK LINE VOLTAGE LIGHTOLIER TRACK SYSTEMS AND TURN OVER TO CAMPUS PERSONNEL. EXISTING TRACK SYSTEM TO REMAIN. TAKE QUANTITY OF FIXTURES REMOVED FOR REPLACEMENT.

KEYED NOTES

- E1.** PROVIDE NEW FIXTURES SHOWN AND CONNECT TO EXISTING SERVER LINE LIGHTING CIRCUIT. RE-USE EXISTING HOME-RUN CONDUITS WHERE PRACTICAL AND PROVIDE NEW AS REQUIRED. PROVIDE ALL CONDUIT, WHIPS AND WIRING AS REQUIRED TO CIRCUIT AS SHOWN ON DRAWING. PROVIDE ALL CONNECTIONS TO LIGHT FIXTURES, SWITCHES AND OCCUPANCY SENSORS AS REQUIRED FOR A COMPLETE AND FULLY FUNCTIONAL SYSTEM. PAINT ALL CONDUIT/WHIPS VISIBLE TO PUBLIC TO MATCH OTHER EXPOSED BUILDING ELEMENTS. EXISTING SWITCHES SHALL BE RE-USED. ONE SWITCH SHALL CONTROL THE EXISTING TRACK LIGHTING, THE OTHER SWITCH SHALL CONTROL THE WOK AREA AND SERVER LINE PENDANT LIGHTING.
- E2.** PROVIDE NEW TRACK LIGHT FIXTURES COMPATIBLE WITH EXISTING BLACK LIGHTOLIER LINE VOLTAGE TRACK SYSTEM. REFER TO LIGHT FIXTURE SCHEDULE FOR BASIS OF DESIGN. FUTURE. FIELD VERIFY QUANTITY AND LOCATIONS OF TRACK LIGHTS PRIOR TO REMOVALS OF EXISTING TRACK HEADS. QUANTITY AND LOCATIONS SHOWN ARE APPROXIMATE.

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REVISIONS

DRAWN BY: BFD
CHECKED BY: WEF

LIGHTING ALTERATIONS -
SERVERY - ALTERNATE #1

RCNJ No. 201437-01/C
PHASE 2: ALTERATIONS
505 RAMAPO VALLEY RD.
MAHWAH, NY 07430
18031.00

RAMAPO COLLEGE
OF NEW JERSEY



ISSUED:
3.24.2016

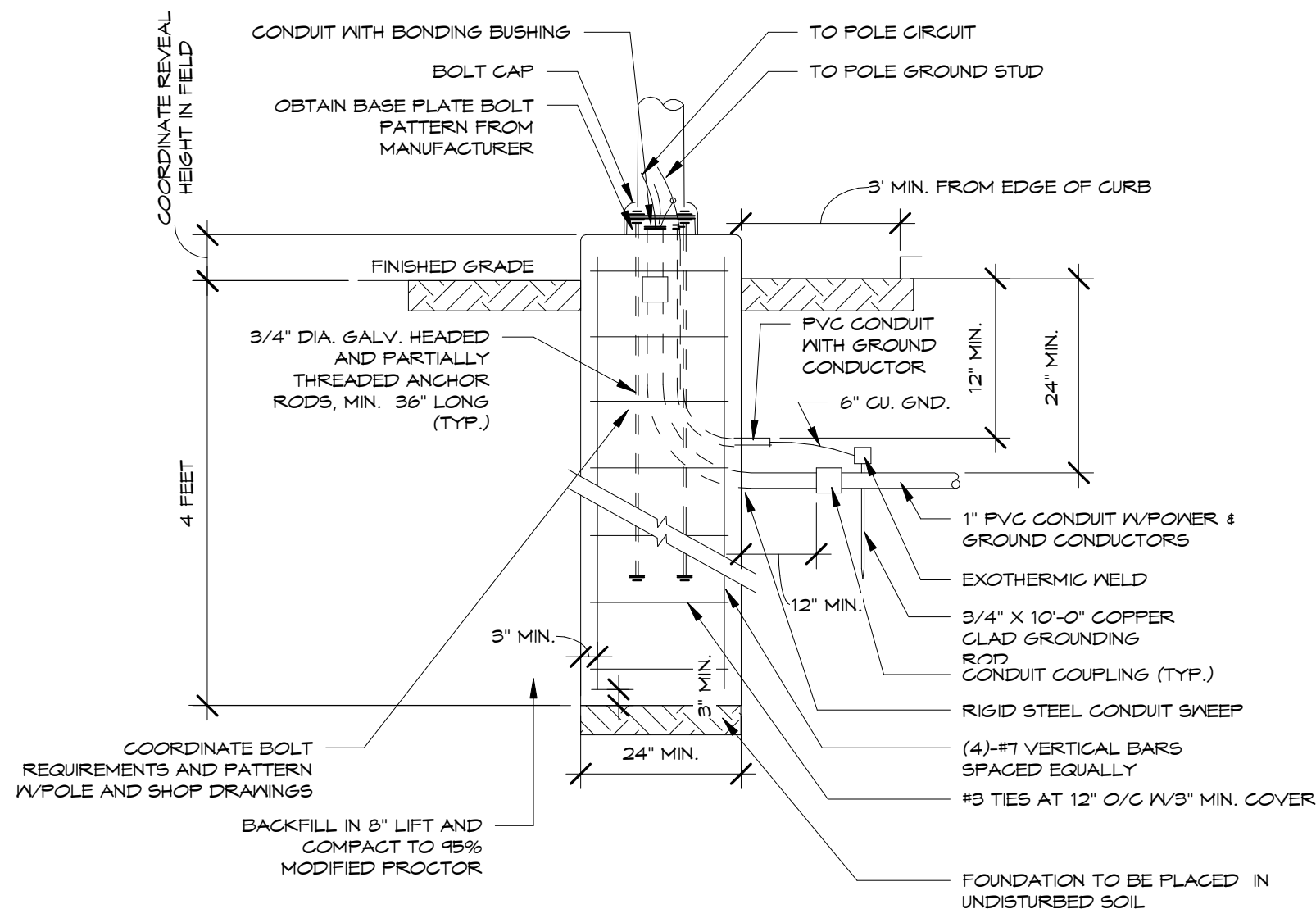
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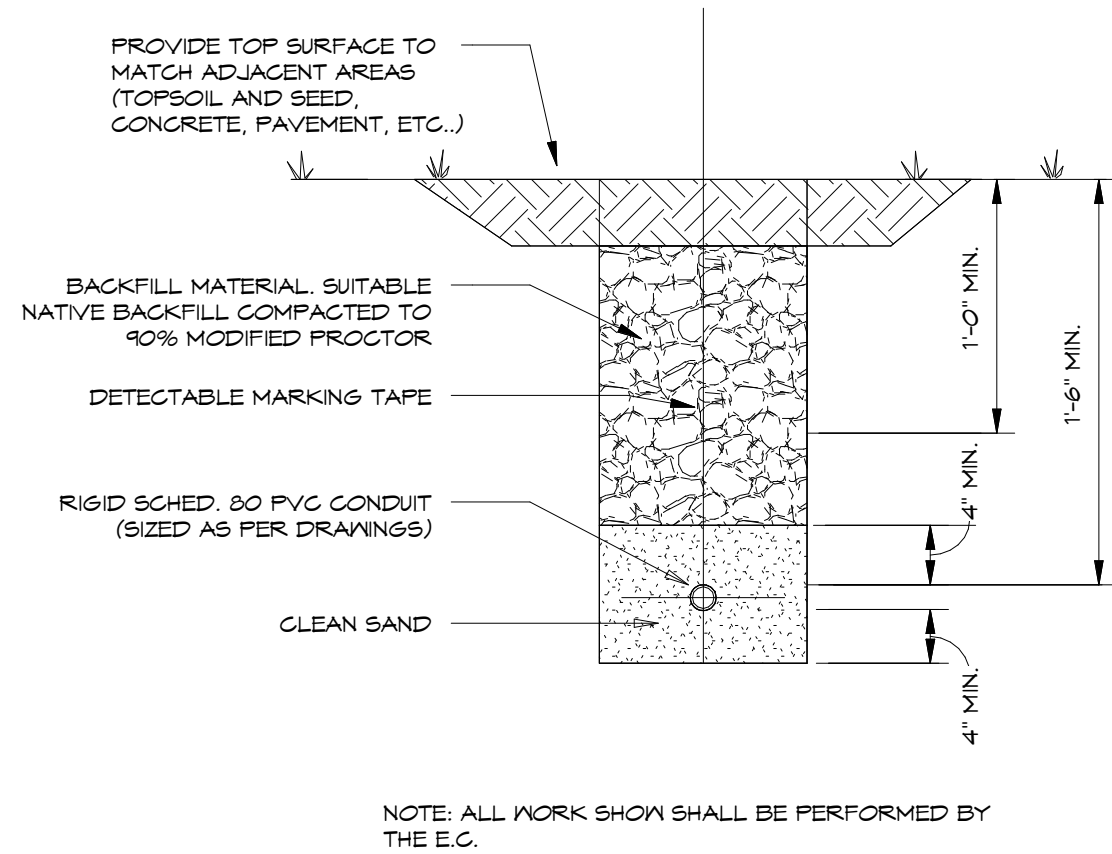
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ADD/ALT 1

| LIGHT FIXTURE SCHEDULE | | | | | | | |
|------------------------|--|-------------------------|---|---------|---------|------------|--|
| Type Mark | Description | Manufacturer | Model | Lamp | Voltage | Mounting | Comments |
| F1 | 4" LED Recessed Downlight | Cooper Industries, Inc. | LD4A1300D010TE ERWA13930 4LWO WH | LED | 120/277 | Recessed | |
| F2 | 6" LED Recessed Downlight | Cooper Lighting | LD6A20D010TE ERW6A20830 6LWO WH | LED | 120/277 | Recessed | |
| F3 | Decorative Drum Fixture | Barbican Lighting | 16-5048-LF-_-24-ACB-HTO-NT-RAL-277V | LED | | | Finish Selection by Architect. |
| F4 | Decorative Lensed Lowbay with Uplight | Hi-Lite Manufacturing | H-23638 | 42W CFL | 277 | | Finish Selection by Architect, Provide Rigid Stem Mount |
| F5 | Decorative Drum Fixture | Barbican Lighting | 16-0448-LF-_-24-ACB-HTO-NT-RAL-277V | LED | | | Finish Selection by Architect. |
| F6 | 6" LED Cylinder - Rigid Stem Mount | Cooper Lighting | LSR6A-15-D010TE-MB-ERCW6A-15830-6LWO-WH | LED | 120/277 | Pendant | Provide Rigid Stem, Finish Selection by Architect |
| F7 | LED Linear Architectural Suspended Fixture | Tech Lighting | 700LSKNOX LED277 | LED | 277 | Suspended | Finish Selection by Architect |
| F8 | Decorative Period Jelly Jar Fixture | Hi-Lite Manufacturing | H-MCGUS-6S | 18W CFL | 120/277 | Pendant | Provide Rigid Stem, Finish and Lens Selection by Architect |
| F9 | Decorative Angled Shade Light | Hi-Lite Manufacturing | H-18110 | 18W CFL | 120/277 | Wall - Arm | Provide with B-6 Wall Bracket Mount, Finish Selection by Architect |
| F10 | Decorative Surface Jelly Jar Fixture | Hi-Lite Manufacturing | H-LCGU-FB | 18W CFL | 120/277 | Wall | Finish and Lens Selection by Architect |
| F11 | Decorative Bell Shade Fixture | Hi-Lite Manufacturing | H-1214 | 18W CFL | 120/277 | Pendant | Provide Rigid Stem, Finish and Lens Selection by Architect |
| F17 | Decorative Shade Fixture | Hi-Lite Manufacturing | H-EMC-06 | LED | 120 | Pendant | Provide Rigid Stem & 60W Equiv. LED A19 bulb, 800 Lumens Min., Finish Selection by Architect |
| S1 | LED Column Light Pole | Selux Corporation | CCCL-10-4-4L35-30-_-277 | LED | 277 | Pole | Finish Selection by Architect |
| X1 | Architectural Edge Lit Exit Sign | Lithonia Lighting | EDG 1 R EL | LED | 120/277 | Surface | |
| X2 | 2-Sided Architectural Edge Lit Exit Sign | Lithonia Lighting | EDG 2 RMR EL | LED | 120/277 | Surface | |

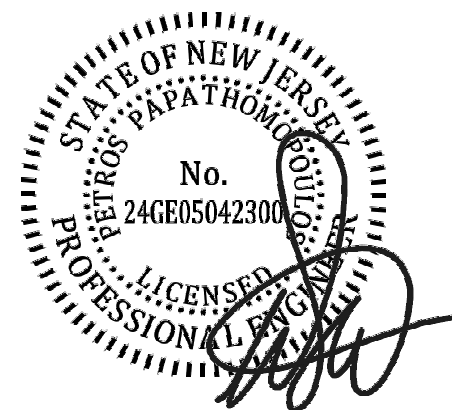


1 LIGHT POLE FOUNDATION DETAIL
12" = 1'-0"



2 TRENCH DETAIL
N.T.S.

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ELECTRICAL DETAILS & SCHEDULES

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