Refer to FA-001 for symbols list and general notes.

Refer to FA-400 series for location of Ansul system suppression pull station.

Electrical contractor shall provide control wiring, relays, interface devices, etc. to achieve the above control sequence.

Electrical contractor shall provide control wiring, interface devices, etc. to ensure proper control sequence.

Ansul system backboxes.

Ansul system to be confirmed by electrical contractor.

Wiring schematic and sequence of operation.

For kitchen with multiple Ansul systems, interlock control wiring shall be connected to one Ansul system control panel/manual reset panel. Most of the time, hot line voltages will be transferred from one system to another through a relay circuit.
POWER RISER DIAGRAM - BUILDING 1303

EXISTING FEEDERS IN PULL BOX.
AND PROVIDE SAME FROM DP-1. CONNECT TO FEEDER SIZE AND OVER CURRENT PROTECTION CONTRACTOR TO FIELD VERIFY EXISTING

EXISTING IRRIGATION PUMP BUILDING PROVIDE AN ASCO #520-277Y-P-16-A-C-A-L-1 TVSS UNIT. UNIT TO BE LOCATED AS CLOSE AS POSSIBLE TO DP-PH.

PROVIDE A #3/0 GROUND WIRE FROM THE GROUND BUS AND CONNECT TO A 3/4" X 10' COPPER CLADDED STEEL GROUND ROD DRIVEN INTO EARTH.

PROVIDE A 2' X 2' X 1/4" COPPER GROUND BUS. WALL MOUNT GROUND BUS ON WITH INSULATORS 18" AFF.

15KVA TRANSFORMER, 480V INPUT- 120/208V OUTPUT, CEILING MOUNTED.

2#14-3/4" FROM ATS TO GENERATOR CONTROLLER FOR GENERATOR RUN SIGNAL. VERIFY WIRE SIZE AND QUANTITY SELECTED MANUFACTURER PRIOR TO INSTALLATION.

3P-30A AUTOMATIC TRANSFER SWITCH.

COMBINATION FIRE PUMP CONTROLLER AND INTEGRAL ATS UNIT, FURNISHED BY SPRINKLER CONTRACTOR, INSTALLED AND WIRED BY THIS CONTRACTOR.

800A, 277/480V UTILITY COMPANY C/T CABINET AND METER, REFER TO JCP&L INSTALLATION STANDARDS FOR ADD'L INFORMATION.

EXISTING WELL PUMP STARTER TO REMAIN.

EXISTING 480V UNDERGROUND FEEDER TO WELL PUMP (5HP) TO REMAIN.

EXISTING 3P-30A FUSED DISCONNECT SWITCH SERVING THE WELL PUMP TO BE REPLACED WITH A 3P-30A UNFUSED DISCONNECT SWITCH.

EXISTING 3P-400A CIRCUIT BREAKER IN A NEMA 1 ENCLOSURE TO BE REMOVED AND REPLACED WITH A 3P-400 UNFUSED DISCONNECT SWITCH.

NOTES:

1. EXISTING PLUG CIRCUIT BREAKER IN NEMA 1 ENCLOSURE TO BE REMOVED AND REPLACED WITH A NEMA 4 ENCLOSURE CIRCUIT BREAKER.

2. EXISTING PLUG CIRCUIT BREAKER TO BE REPLACED WITH A NEMA 4 ENCLOSURE CIRCUIT BREAKER.

3. EXISTING WALL PLUG EMERGENCY DISCONNECT TO BE REPLACED WITH A NEMA 4 ENCLOSURE EMERGENCY DISCONNECT.

4. ALL WATER SYSTEMS TO BE SURGE PROTECTED.

5. ALL ELECTRICAL SYSTEMS TO BE PROTECTED AGAINST SURGE.

6. INTERIOR WALLIES MOUNTING BRACKETS TO BE PROVIDED AND INSTALLED BY ELECTRICAL CONTRACTOR.

7. INTERIOR WALLIES MOUNTING BRACKETS TO BE PROVIDED AND INSTALLED BY ELECTRICAL CONTRACTOR.

RISER DIAGRAM WIRING LEGEND:

1. JUMPER WIRE:
2. #1/0 GROUND WIRE:
3. #3/0 GROUND WIRE:
4. #8 GROUND WIRE:
5. #10 GROUND WIRE:
6. #20 WIRE:
7. #30 WIRE:
8. #40 WIRE:
9. #50 WIRE:
10. #100 WIRE:
11. #200 WIRE:
12. #400 WIRE:
13. #500 WIRE:
14. #600 WIRE:
15. #800 WIRE:
16. #1000 WIRE:
17. #1500 WIRE:
18. #2000 WIRE:
19. #3000 WIRE:
20. #5000 WIRE:

RISER DIAGRAM NOTES:

1. ALL WORK REQUIRING SHUTDOWN SHALL BE PERFORMED DURING "OFF-HOURS" AND COORDINATED WITH THE BUILDING MANAGER THREE (3) WEEKS IN ADVANCE. INCLUDE ALL LICENSED CONTRACTORS IN THE JOB ORDER.

2. ALL WORK REQUIRING SHUTDOWN SHALL BE PERFORMED DURING "OFF-HOURS" AND COORDINATED WITH THE BUILDING MANAGER THREE (3) WEEKS IN ADVANCE. INCLUDE ALL LICENSED CONTRACTORS IN THE JOB ORDER.

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20. ALL WORK REQUIRING SHUTDOWN SHALL BE PERFORMED DURING "OFF-HOURS" AND COORDINATED WITH THE BUILDING MANAGER THREE (3) WEEKS IN ADVANCE. INCLUDE ALL LICENSED CONTRACTORS IN THE JOB ORDER.
1. FOR EXACT LOCATION AND MOUNTING HEIGHTS OF ALL LIGHTING FIXTURES, REFER TO LIGHTING CONSULTANT DRAWINGS AND SPECIFICATIONS. LIGHTING FIXTURE OR JUNCTION BOX. WIRING IS SHOWN ONLY UNDER SPECIAL CIRCUMSTANCES. PROVIDE ALL CONDUITS, WIRING AND BOXES AS WELL AS CEILING OUTLETS AND WHIPS REQUIRED TO ENERGIZE LIGHTING FIXTURES AS SHOWN. UTILIZE #10AWG THWN WHEN FEEDER FROM THE LAST CONNECTED BOXES, SEE ARCHITECTURAL DRAWINGS.

2. CONDUIT RUNS FOR OPEN CEILING ARE FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION.

3. CONDUIT SHALL BE EMT TYPE AND PAINTED WHITE. COORDINATE EXACT COLOR WHERE WIRING AND CABLING ARE RUNNING EXPOSED IN OPEN CEILING, ALL FLUORESCENT LIGHT FIXTURES SHALL BE EQUIPPED WITH AN INTERNAL BALLAST.

4. CONDUIT RUNS LONGER THAN 80' TO PANEL.

5. PANEL RP-2-1 #5 (TYP.) LIGHTING FIXTURES

6. LIGHTING CONSULTANT TO PROVIDE SHOP DRAWING FOR INTENDED FIELD CONDITIONS PREVAIL.

7. ELECTRICAL CONTRACTOR TO COORDINATE LIGHT FIXTURE MOUNTING WITH ARCHITECT. REFER TO LIGHTING FIXTURE SCHEDULE ON ARCHITECTURAL AND LIGHTING CONSULTANT DRAWINGS AND SPECIFICATIONS.

8. ELECTRICAL CONTRACTOR SHALL LABEL EACH FIXTURE WITH THE FOLLOWING INFORMATION. THE INFORMATION SHALL BE PLACED IN A LOCATION THAT IS CLEARLY VISIBLE FROM ABOVE THE CEILING.

9. ELECTRICAL CONTRACTOR SHALL LABEL EACH FIXTURE WITH THE FOLLOWING INFORMATION. THE INFORMATION SHALL BE PLACED IN A LOCATION THAT IS CLEARLY VISIBLE FROM ABOVE THE CEILING.

10. ELECTRICAL CONTRACTOR SHALL LABEL EACH FIXTURE WITH THE FOLLOWING INFORMATION. THE INFORMATION SHALL BE PLACED IN A LOCATION THAT IS CLEARLY VISIBLE FROM ABOVE THE CEILING.

11. PANEL ERP-2 #7 (TYP.) LIGHTING FIXTURES

12. LIGHTING FIXTURES WHICH ARE CONTROLLED BY A DIMMER SWITCH SHALL BE SWITCHED AND PROVIDED WITH ELECTRONIC ENERGY SAVING BALLASTS. THE "QUICK DISCONNECT" TO THE BALLAST, AS PER NEC.

13. LIGHTING FIXTURES WHICH ARE CONTROLLED BY A DIMMER SWITCH SHALL BE SWITCHED AND PROVIDED WITH ELECTRONIC ENERGY SAVING BALLASTS. THE "QUICK DISCONNECT" TO THE BALLAST, AS PER NEC.

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CONNECT ALL NEW SITE LIGHTS TO NEW

PROVIDE DIRECT BURIAL ELECTRICAL BOX

FOR POWER WIRING TO SITE LIGHTING

CORDS A 20' OF THSE LIGHTS. ALL WIRING

CONDUCTED CONFORM TO SITE LIGHTS.

PROVIDE DEDUCT ALTERNATE PRICING

TO PROVIDE SITE LIGHTING BASES, CONDUIT

AND DRAGWIRE ONLY. NO FIXTURES OR

POLES.

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CONDUCTED CONFORM TO SITE LIGHTS.

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TO PROVIDE SITE LIGHTING BASES, CONDUIT

AND DRAGWIRE ONLY. NO FIXTURES OR

POLES.
EXISTING FEEDERS

1. FOR ALL COPY MACHINES PROVIDE SPECIAL PURPOSE RECEPTACLES AND COORDINATE NEMA CONFIGURATION WITH COPY MACHINE VENDOR.

2. PRIOR TO INSTALLATION, ELECTRICAL CONTRACTOR TO PROVIDE SHOP DRAWING FOR INTENDED CONDUIT RUNS IN OPEN CEILING AREAS FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION.

3. USE #10 AWG WIRE FOR CONNECTION OF ALL SEPARATE CIRCUIT RECEPTACLES.

4. DRAWINGS AND RESPECTIVE TRADE DRAWINGS. THIS DRAWING ONLY REFLECTS POWER AND CIRCUITING INFORMATION. ALL ELSE IS NOT TO BE RELIED UPON. COORDINATE WITH ARCHITECT AND OTHER TRADES FOR DETAILS.

5. CIRCUIT NUMBERS ARE FOR REFERENCE ONLY. FIELD CONDITIONS PREVAIL.

6. ALL CIRCUITS SHOWN ARE FOR REFERENCE ONLY. UNLESS OTHERWISE NOTED, USE #12 AWG WIRE FOR RUNS LONGER THAN 200'. WIRING ACCORDINGLY TO MEET CODE REQUIRED VOLTAGE DROP ON ALL BRANCH WIRING. WHERE LENGTH OF BRANCH WIRING EXCEEDS 70 FEET, UTILIZE NO. 10 THHN U.O.

7. WIRING IS SHOWN ONLY UNDER SPECIAL CIRCUMSTANCES. PROVIDE CONDUITS, WIRES, CABLE, WHERE RUNNING EXPOSED IN OPEN CEILING, ALL CONDUIT SHALL BE EMT TYPE AND PAINTED WHITE. COORDINATE EXACT COLOR WITH ARCHITECT.

8. ALL CIRCUITS TO COMPUTERS, LASER JET PRINTERS, COPIERS, FAX MACHINES, AND ANY OTHER LOADS OF NON-LINEAR NATURE SHALL HAVE RECEPTACLES WITH SEPARATE GROUND AND NEUTRAL WIRES. RECEPTACLES SERVING THESE DEVICES SHALL BE GRAY IN COLOR. STANDARD NEUTRAL HOMERUNS ARE NOT PERMITTED.


10. ALL ROUGH-INS (CONDUITS, JUNCTION BOXES, WIRE TROUGHS, WIRING, CONDUIT, RISER DIAGRAM, ETC.) ARE SUPPLIED, INSTALLED AND TERMINATED BY A/V CONTRACTOR PERTAINING TO THE COMPLETE INSTALLATION OF THE A/V SYSTEM.

11. ALL CONDUCTORS SHALL BE CLASSIFIED ACCORDING TO THE CODES OF THE LOCAL JURISDICTION IN WHICH THE CONTRACT IS EXECUTED.

12. LOCATION OF ALL OUTLETS SHALL BE COORDINATED WITH ARCHITECT.

13. LOCATION OF SECURITY DEVICES SHALL BE COORDINATED WITH ARCHITECT.

14. LOCATION OF SECURITY DEVICES SHALL BE COORDINATED WITH ARCHITECT.

15. LOCATION OF SECURITY DEVICES SHALL BE COORDINATED WITH ARCHITECT.

16. LOCATION OF SECURITY DEVICES SHALL BE COORDINATED WITH ARCHITECT.

17. LOCATION OF SECURITY DEVICES SHALL BE COORDINATED WITH ARCHITECT.

18. LOCATION OF SECURITY DEVICES SHALL BE COORDINATED WITH ARCHITECT.

19. LOCATION OF SECURITY DEVICES SHALL BE COORDINATED WITH ARCHITECT.
1. VERIFY AC AND ACCU ELECTRICAL CHARACTERISTICS WITH MECHANICAL CONTRACTOR PRIOR TO INSTALLING CONDUCTORS OR BREAKERS.

2. VERIFY AC AND ACCU ELECTRICAL CHARACTERISTICS WITH MECHANICAL CONTRACTOR PRIOR TO INSTALLING CONDUCTORS OR BREAKERS.

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MECHANICAL POWER PLAN

**MECHANICAL, PLANT & MECHANICAL POWER PLAN NOTES:**

1. THE INTENTION OF THIS DRAWING IS TO SHOW THE LAYOUT OF MECHANICAL EQUIPMENT AND RESPECTIVE ELECTRICAL CONNECTIONS WITH ASSOCIATED DEVICES. FOR EXACT LOCATIONS AND MOUNTING HEIGHTS OF ALL MECHANICAL EQUIPMENT REFER TO MECHANICAL DRAWINGS. USE THIS DRAWING FOR CIRCUITING PURPOSES ONLY.

2. CIRCUITS ARE DESIGNATED BY THE NUMBER SHOWN ADJACENT TO EACH MECHANICAL EQUIPMENT. WIRING IS SHOWN ONLY UNDER SPECIAL CIRCUMSTANCES. PROVIDE ALL CONDUITS, WIRES AND BOXES REQUIRED TO ENERGIZE THE EQUIPMENT AS SHOWN.

3. CIRCUIT NUMBERS ARE FOR REFERENCE ONLY. FIELD CONDITIONS PREVAIL.

4. ELECTRICAL CONTRACTOR SHALL SUBMIT FOR ENGINEER'S APPROVAL THE SHOP DRAWINGS, REFLECTING ALL SEQUENCE OF OPERATION SCHEMATICS AS PER HVAC SPECIFICATIONS.

5. PROVIDE MANUAL MOTOR STARTER SWITCH WITH INTEGRAL THERMAL OVERLOAD PROTECTION AT EACH FAN, SQUARE "D" CLASS 2510, TYPE FG-1. THERMAL OVERLOAD SWITCH MUST BE RATED TO ACCOMMODATE AMPERE RATING OF MOTOR.

6. SUPPLEMENTAL AIR CONDITIONING EQUIPMENT AND EXHAUST FANS ARE INSTALLED ABOVE THE HUNG CEILING BY OTHERS. PROVIDE DISCONNECT SWITCHES AND MAKE CONNECTIONS AS SHOWN.

7. ALL WIRING INCLUDING CONTROL WIRING SHALL BE INSTALLED IN EMT FOR AREAS OF EXPOSED CEILINGS.

8. EACH EQUIPMENT SHALL BE PROVIDED WITH SEPARATE GROUND WIRES.

9. ALL WIRING SHALL BE IN EMT CONDUIT WHERE RUN IN OPEN CEILING.

10. ALL AC UNITS AND FAN POWER BOXES SHALL BE PROVIDED WITH SHUT DOWN OPERATION TIED TO FIRE ALARM SYSTEM.
PUMP HOUSE
ELECTRICAL PLAN

POWER PLAN NOTES:
1. POWER LOCATIONS AND WIRING OF ALL ELECTRICAL OUTLETS, FIXTURES AND MECHANICAL EQUIPMENT ARE ARCHITECTURAL RESPONSIBILITY. THE ENGINEER IS RESPONSIBLE FOR ENSURING THE INTERFACING OF POWER REQUIREMENTS, INSTALLATION AND LOCATION OF ALL ELECTRICAL EQUIPMENT, AND WILL BE RESPONSIBLE FOR VERIFYING THE CRITICALITY OF ALL POWER SOURCES.
2. CIRCUIT BREAKERS DESIGNATED IN THE POWER PLAN ARE CURTAIN BREAKERS AND FOLLOW ENCLOSURE INSTALLED UNDER ELECTRICAL CODES. PROVIDE constantly, JUMPERS, GFCI, AND WIRING MATERIALS TO ACCOMMODATE THE EQUIPMENT INSTALLATION.
3. CIRCUIT NUMBERS ARE FOR REFERENCE ONLY. THIS CIRCUIT NUMBERING SYSTEM IS NOT BASED ON CODES OR STANDARDS.
4. LIGHTING INSTALLATION SHALL BE IN ACCORDANCE WITH LOCAL CODES AND STANDARDS. PROVIDE WIRING MATERIALS TO ACCOMMODATE THE INSTALLATION.
5. ALL ELECTRICAL INSTALLATION SHALL BE IN ACCORDANCE WITH LOCAL CODES AND STANDARDS. PROVIDE WIRING MATERIALS TO ACCOMMODATE THE INSTALLATION.
6. ALL ELECTRICAL INSTALLATION SHALL BE IN ACCORDANCE WITH LOCAL CODES AND STANDARDS. PROVIDE WIRING MATERIALS TO ACCOMMODATE THE INSTALLATION.
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14. ALL ELECTRICAL INSTALLATION SHALL BE IN ACCORDANCE WITH LOCAL CODES AND STANDARDS. PROVIDE WIRING MATERIALS TO ACCOMMODATE THE INSTALLATION.
15. ALL ELECTRICAL INSTALLATION SHALL BE IN ACCORDANCE WITH LOCAL CODES AND STANDARDS. PROVIDE WIRING MATERIALS TO ACCOMMODATE THE INSTALLATION.

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PROPOSED FIRE PUMP BUILDING
EXISTING UTILITY PAD MOUNTED TRANSFORMER. COORDINATE ALL REQUIRED OUTAGES/REMOVALS WITH THE UTILITY COMPANY PRIOR TO INSTALLATION.

PRECAST ELECTRIC HAND HOLES, 24"W x 24"H x 36"L, TIER 15 RATED, QUAZITE 'PG' SERIES FOR NORMAL AND EMERGENCY UTILITIES. PROVIDE A 18"W x 18"H x 24"L, HAND HOLE FOR FIRE ALARM/CONTROLS RACEWAYS. PROVIDE ADD'L HAND HOLES AS REQUIRED.

EXISTING IRRIGATION PUMP HOUSE POWER (UTILITY AND EMERGENCY), FIRE ALARM AND CONTROLS CONDUITS. RUN CONDUITS 30" BELOW GRADE UTILIZING SCHEDULE 80 PVC CONDUIT. PROVIDE WARNING TAPE ABOVE CONDUIT RUNS LOCATED 12" BELOW GRADE FOR THE ENTIRE CONDUIT RUN. COORDINATE CONDUIT RUNS WITH CIVIL SITE PLANS.

NEW INCOMING UTILITY SERVICE TO FIRE PUMP BUILDING. CONDUITS TO ENTER BLDG IN BASEMENT LEVEL.

EXISTING UTILITY TRANSFORMER AND PAD TO BE REMOVED. PROVIDE NEW SPLICE BOX AND TERMINATE EXISTING PRIMARY SERVICE IN NEW SPLICE BOX FOR FUTURE EXTENSION. COORDINATE REQUIREMENTS WITH UTILITY COMPANY. REMOVE EXISTING SECONDARY FEEDERS CURRENTLY SERVING BLDG 1303.

NEW 200KW EMERGENCY GENERATOR IN A WEATHERPROOF ENCLOSURE. PROVIDE STRUCTURAL CONCRETE PAD BELOW UNIT. PAD TO EXTEND 12" ABOVE GRADE. REFER TO STRUCTURAL DRAWINGS FOR MORE INFORMATION.

EXISTING UTILITY COMPANY PRIMARY ELECTRIC SERVICE (PES), TYPICAL. EXISTING PRIMARY ELECTRIC SERVICE SPLICE BOX
EXISTING TIE FEEDER BETWEEN BLDG 1303 AND BLDG 1301'S UTILITY TRANSFORMER SECONDARY. THIS CONTRACTOR TO DISCONNECT FEEDER FROM 1303, REMOVE CABLING AND ABANDON CONDUIT IN PLACE. COORDINATE WITH THE UTILITY COMPANY FOR ALL REQ'D SHUTDOWNS IN ORDER TO DISCONNECT THE FEEDER FROM 1301'S UTILITY TRANSFORMER.

PROVIDE (2) 120V 20A CIRCUITS FROM NEAREST 120/208V PANEL IN BUILDING 1301 FOR DUPLEX SEWAGE EJECTOR PUMP.
KITCHEN POWER NOTES:

1. THIS DRAWING LOCATES FINAL ELECTRICAL POINTS OF CONNECTION FOR EACH FOOD WORK DESCRIBED IN THESE NOTES IS TO BE PERFORMED UNDER THE ELECTRICAL PORTION OF THE PROJECT SPECIFICATION.

2. VERIFY RECEPTACLE TYPES WITH FOOD SERVICE EQUIPMENT BEFORE ORDERING. PROVIDE ALL RECEPTACLES WITHIN THE KITCHEN AREA SHALL BE GFI RECEPTACLES UNLESS THEY ARE FED VIA ALL CONVENIENCE OUTLETS SHALL BE GFI TYPE.

3. FOR EXACT LOCATION AND MOUNTING HEIGHTS OF ALL POWER, TELEPHONE/DATA CONNECTION POINT.

4. CIRCUITS ARE DESIGNATED BY THE NUMBER SHOWN.

5. ALL BRANCH WIRING SHALL BE RUN CONCEALED IN WALLS AND ABOVE HUNG CEILING, U.O.N. ALL CONVENIENCE OUTLETS SHALL BE GFI TYPE.

6. CONCEAL ALL UTILITIES IN WALLS AND STUB-OUT OF WALLS AS REQUIRED CONNECTIONS.

7. EXPOSED CONDUIT TO BE RIGID GALVANIZED STEEL.

8. VERIFY RECEPTACLE TYPES WITH FOOD SERVICE EQUIPMENT BEFORE ORDERING. PROVIDE ALL

9. SEE E-100.00 SERIES FOR PANEL SCHEDULE.

10. ALL OUTLETS LOCATED AT 18" & BELOW IN KITCHEN AREA SHALL BE WATER PROOF.

11. ALL RECEPTACLE OUTLETS & LIGHT SWITCHES IN KITCHEN AREA SHALL HAVE STAINLESS STEEL COVER PLATES.

12. ALL RECEPTACLE OUTLETS & LIGHT SWITCHES IN KITCHEN AREA SHALL HAVE STAINLESS STEEL COVER PLATES.

13. ALL OUTLETS LOCATED IN KITCHEN, BAR & SERVERY AREAS SHALL HAVE STAINLESS STEEL COVER PLATES.

14. ELECTRICAL CONTRACTOR TO PROVIDE DISCONNECTING SWITCH FOR ALL HARD WIRED DEVICES.
### Kitchen Equipment Schedule

<table>
<thead>
<tr>
<th>Equipment</th>
<th>Model</th>
<th>Quantity</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oven</td>
<td>Model A</td>
<td>10</td>
<td>New installation.</td>
</tr>
<tr>
<td>Stove</td>
<td>Model B</td>
<td>5</td>
<td>From previous project.</td>
</tr>
<tr>
<td>Refrigerator</td>
<td>Model C</td>
<td>20</td>
<td>Additional stock required.</td>
</tr>
</tbody>
</table>

### Vent Hood Schedule

<table>
<thead>
<tr>
<th>Component</th>
<th>Model</th>
<th>Quantity</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fan</td>
<td>Model D</td>
<td>15</td>
<td>High-efficiency model.</td>
</tr>
<tr>
<td>Filter</td>
<td>Model E</td>
<td>30</td>
<td>Must be replaced annually.</td>
</tr>
<tr>
<td>Humidifier</td>
<td>Model F</td>
<td>10</td>
<td>Energy-efficient model.</td>
</tr>
</tbody>
</table>

### Exercise Equipment Schedule

<table>
<thead>
<tr>
<th>Equipment</th>
<th>Model</th>
<th>Quantity</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Treadmill</td>
<td>Model G</td>
<td>8</td>
<td>High-capacity model.</td>
</tr>
<tr>
<td>Elliptical</td>
<td>Model H</td>
<td>6</td>
<td>For a fitness center.</td>
</tr>
<tr>
<td>Stationary Bike</td>
<td>Model I</td>
<td>4</td>
<td>For a spin class.</td>
</tr>
</tbody>
</table>

### Reference Equipment Schedule

<table>
<thead>
<tr>
<th>Equipment</th>
<th>Model</th>
<th>Quantity</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Desk Computer</td>
<td>Model J</td>
<td>100</td>
<td>Dedicated to office staff.</td>
</tr>
<tr>
<td>Printer</td>
<td>Model K</td>
<td>5</td>
<td>For all departments.</td>
</tr>
<tr>
<td>Scanner</td>
<td>Model L</td>
<td>2</td>
<td>Must be replaced every 5 years.</td>
</tr>
</tbody>
</table>

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**Issue Dates:**

- **Issue for Permit:** 12.03.2019
- **Issue for Bid:** 08.24.2020
- **Schedule:**
  - Kitchen Equipment
  - Vent Hood
  - Exercise Equipment
  - Reference Equipment

**Address:**

- HOMEMY MOUNTAIN CENTER
  - COLTS NECK, NJ 07722
- 19 West 44th Street
  - New York, NY 10036
  - 212.764.7272

**Contact:**

- E-801

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IN COMPLIANCE WITH THE ENERGY CONSERVATION CODE "ASHRAE 90.1 (2016)".

ELECTRIC LIGHT BASED ON THE AMOUNT OF USABLE DAYLIGHT IN THE SPACE AS SPECIFIED.

ELECTRIC LIGHT BASED ON THE AMOUNT OF USABLE DAYLIGHT IN THE SPACE AS SPECIFIED.

DAYLIGHTING CONTROLS ARE INSTALLED, THE FOLLOWING PROCEDURES SHALL BE PERFORMED:

1. CONFIRM THAT THE TIME SWITCHES AND PROGRAMMABLE SCHEDULE CONTROLS ARE PROGRAMMED TO TURN THE LIGHTS OFF.

2. CONFIRM THAT THE TIME SWITCHES AND PROGRAMMABLE SCHEDULE CONTROLS ARE PROGRAMMED TO TURN THE LIGHTS OFF.

3. CONFIRM THAT THE PLACEMENT AND SENSITIVITY ADJUSTMENTS FOR PHOTOSENSOR CONTROLS REDUCE WHERE OCCUPANT SENSORS, TIME SWITCHES, PROGRAMMABLE SCHEDULE CONTROLS, PHOTOSENSORS OR

C408.3.1 FUNCTIONAL TESTING

FUNCTIONAL TESTING SHALL ENSURE THAT CONTROL HARDWARE AND SOFTWARE ARE CALIBRATED, ADJUSTED, PROGRAMMED AND IN PROPER WORKING CONDITION IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS AND

PARTY INDEPENDENT FROM THE DESIGN OR CONSTRUCTION OF THE PROJECT SHALL BE RESPONSIBLE LIGHTS ARE CONTROLLED VIA WALL MOUNTED VACANCY SENSOR SWITCH

LUTRON WALL MOUNTED, DUAL TECHNOLOGY (INFRARED + ULTRASONIC) VACANCY SENSOR WITH SWITCH (MANUAL-ON, AUTOMATIC-OFF). SEE E-201 FOR MORE INFORMATION.

LUTRON CEILING MOUNTED, DUAL TECHNOLOGY (INFRARED + ULTRASONIC), ADAPTIVE OCCUPANCY SENSOR. SEE E-201 FOR MORE INFORMATION.

LUTRON CEILING MOUNTED, DUAL TECHNOLOGY (INFRARED + ULTRASONIC), ADAPTIVE VACANCY SENSOR. SEE E-201 FOR MORE INFORMATION.

LUTRON PICO SWITCH. SEE E-201 FOR MORE INFORMATION.

SINGLE POLE, 20A, 120V/277V LIGHT SWITCH, SPST. LOWER CASE LETTER DENOTES ZONE CONTROLLED. '3' DENOTES 3-WAY ISOLATED GROUND DEVICE (COLOR: ORANGE)

UNLESS OTHERWISE NOTED

NEW

EXISTING TO BE REMOVED

EXISTING FURNISHED AND INSTALLED BY OTHERS, WIRED BY ELECTRICAL CONTRACTOR

FURNISHED BY OTHERS, INSTALLED AND WIRED BY ELECTRICAL CONTRACTOR

VERIFIED IN FIELD

VERIFY IN FIELD

A3

F.1B.O. OPEN AREA

A4

F.I.B.O. ENCLOSED ROOMS

A5

FF

CL’G TYP.

AFF

GFI

VIF

W/ IG

G.

C

PATENTED FIBER OPTIC BIOMETER SYSTEM

Lighting Symbol List

Lighting System Functional Testing

Special Programed Inspector shall verify the lighting control system. There shall be no provision for documentation regarding compliance with RDA #1736004 EN-201.00. Inspector shall meet the requirements of ASHRAE 90.1 (2016) and C408.3. Inspector shall verify that time switches, programmable schedule, control lighting to comply with the requirements of the code. The inspector shall verify that lighting control systems are designed and installed in accordance with the code. The inspector shall verify that all required sensors are installed and that the lighting system is functional. The inspector shall verify that the lighting system is calibrated and adjusted as specified in the plans and specifications. The inspector shall verify that the lighting system is in operation in accordance with the code. The inspector shall verify that all lighting systems meet the requirements of 08.24.2020 ISSUE FOR PERMIT

Checked by

Drawn by

Scale

08.24.2020 ISSUE FOR BID

08.24.2020 ISSUE FOR BID

08.24.2020 ISSUE FOR BID

08.24.2020 ISSUE FOR BID

08.24.2020 ISSUE FOR BID

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08.24.2020 ISSUE FOR BID

08.24.2020 ISSUE FOR BID

08.24.2020 ISSUE FOR BID
INFORMATION. THE INFORMATION SHALL BE PLACED IN A LOCATION THAT IS EXACT MOUNTING HEIGHT WITH ARCHITECT. MOUNTED AT THE SAME LEVEL AS SUSPENDED LIGHT FIXTURES. COORDINATE EMERGENCY/NIGHTLIGHTS (EM/NL), AND EXIT SIGNS BRANCH CIRCUITING SHALL FIXTURE RUN LONGER THAN 80' TO PANEL. CONDUIT SHALL BE EMT TYPE AND PAINTED WHITE. COORDINATE EXACT COLOR SHALL BE EQUIPPED WITH ELECTRONIC ENERGY SAVING BALLASTS. THE ALL CEILING SENSORS IN OPEN/EXPOSED CEILING SHALL BE PENDANT FIXTURES TO PANEL EPR-2 CIRCUIT #9.

CIRCUIT NUMBER

Scale
Date

19 West 44th Street
New York, NY 10036
212.764.7272

20

Robert RDMC
Director

ARCHITECTURE - PLANNING - INTERIOR DESIGN

Certificate of Authorization AC-438

CIRCUITING LEGEND

LIGHTING PLAN NOTES:

1. LIGHTING PLAN NOTES:
   1. PANEL & CIRCUIT LIGHTING FIXTURES
   2. PANEL ERP-B #3 (TYP.)
   3. EMERGENCY LIGHTS
   4. PREFIX

   ! Light source:
   ! Color:
   ! Lamp type:
   ! Fixtures:<br>
   ! Conduit:
   ! Conduit size:
   ! Type:
   ! Color:
   ! Notes:
   ! Circuit number:

   ! Emergency lights:
   ! Color:
   ! Lamp type:
   ! Fixtures:
   ! Conduit:
   ! Conduit size:
   ! Type:
   ! Color:
   ! Notes:
   ! Circuit number:

   ! Exit signs:
   ! Color:
   ! Lamp type:
   ! Fixtures:
   ! Conduit:
   ! Conduit size:
   ! Type:
   ! Color:
   ! Notes:
   ! Circuit number:
1. This drawing is not intended for manufacture, construction, or installation. It should be used for reference only.

2. All dimensions and tolerances are shown in inches unless otherwise specified.

3. Any materials or components not specifically identified in this drawing should be considered as unspecified.

4. All electrical wiring should be done in accordance with the National Electrical Code (NEC).

5. All lighting fixtures should be installed in accordance with the manufacturer's instructions.

6. All electrical panels should be located in a readily accessible location.

7. All electrical devices should be labeled with their function.

8. All electrical conduits should be run in accordance with the NEC.

9. All electrical boxes should be labeled with their function.

10. All electrical circuits should be identified with their function.

11. All electrical switches should be installed in accordance with the NEC.

12. All electrical circuits should be protected with circuit breakers or fuses.

13. All electrical wiring should be done in accordance with the NEC.

14. All electrical devices should be grounded in accordance with the NEC.

15. All electrical conduits should be run in accordance with the NEC.

16. All electrical panels should be labeled with their function.

17. All electrical switches should be installed in accordance with the NEC.

18. All electrical circuits should be identified with their function.

19. All electrical devices should be grounded in accordance with the NEC.

20. All electrical wiring should be done in accordance with the NEC.

21. All electrical panels should be located in a readily accessible location.

22. All electrical switches should be installed in accordance with the NEC.

23. All electrical devices should be grounded in accordance with the NEC.