SECOND FLOOR ENLARGED MECHANICAL DEMOLITION PLAN

FIFTH FLOOR ENLARGED MECHANICAL DEMOLITION PLAN

GENERAL NOTES:
1. ALL EXISTING MECHANICAL AND ELECTRICAL SYSTEMS TO REMAIN UNLESS INDICATED OTHERWISE ON THIS SHEET.
2. ALL HOIST CONCRETE PUMPS SHALL BE RATED.

KEY NOTES (THIS SHEET ONLY):
1. ALL EXISTING MECHANICAL AND ELECTRICAL SYSTEMS TO REMAIN UNLESS INDICATED OTHERWISE ON THIS SHEET.
2. ALL HOIST CONCRETE PUMPS SHALL BE RATED.
**ABOVE FINISHED FLOOR**

**MANUFACTURER**

1. INSPECT SITE PRIOR TO SUBMITTING BID. DRAWINGS ARE INTENDED TO HOME RUN TO LIGHTING/SERVICE PANEL. HASH MARKS, WHEN SHOWN, TO COVER THE REQUIRED ELECTRICAL SYSTEMS. DRAWINGS MAY INDICATE NUMBERS OF CONDUCTORS. "   " INDICATES HOT WIRE, "    " INDICATES NEUTRAL CONDUCTOR,"    " INDICATES GROUND CONDUCTOR. HOME RUN NOTE INDICATES PANEL NAME AND CIRCUIT NAME OR CIRCUIT SHALL BE PAIRED WITH A SEPARATE NEUTRAL CONDUCTOR. SHARING OF NEUTRAL CONDUCTORS BETWEEN CIRCUITS IS NOT ALLOWED.

**AFF COPPER**

**ACH BKR**

3. FURNISH AND INSTALL ALL MATERIALS IN A NEAT AND WORKMANLIKE FASHION. ALL MATERIALS SHALL BE NEW, WITH FIRST QUALITY AND UL LABEL.

**D EW**

**OF EQUIPMENT AND RACEWAYS. CONTRACTOR IS RESPONSIBLE FOR UNDERGROUND**

**UNIT VENTILATOR**

**DWG**

5. CONDUIT SHALL BE EMT FOR BRANCH CIRCUIT WIRING AS WITH WEATHER PROOF ALLOWED BY NEC, EXCEPT THAT SET SCREW OR CRIMP FITTINGS ARE NOT ALLOWED. WHERE EXPOSED TO PHYSICAL DAMAGE CONDUITS SHALL ...

**GROUND FAULT INTERRUPTER DEVICE**

**GFI HH**

**WITH ARTICLE 250 OF THE NATIONAL ELECTRICAL CODE.**

**ISOLATED GROUND MAIN LUGS ONLY**

**WP MLO**

**BEING PENETRATED.**

**FWE**

**SUITABLE FOR THE APPLICATION.**

**MLO**

**WITH SKEW SYMBOL:**

**LOCATION SHOWN ON PLAN WITH KEY SWITCH TO TURN 'ON' ALL POWER TO LAB DESKS AND GAS SOLENOID VALVE AND EMERGENCY STOP BUTTON TO TURN OFF.**

**SYMBOLS:**

1. DEVICE BOXES MOUNTED IN THE SAME WALL BUT IN SEPARATE ROOMS OR SPACES SHALL NOT BE MOUNTED IN THE SAME WALL CAVITY.

2. CONSTRUCTION TO BE CONFORMING TO CODES SHOWN ON SYMBOL EXACT FIXTURE TYPE DESIGNED BY CHECKED BY DATE FILE NO. E0.1 SHEET NO. ISSUED FOR AGENCY REVIEW - NOT RELEASED FOR CONSTRUCTION.

3. DEVICE MOUNTING HEIGHT 4'-0" BETWEEN REQUIRED CAULKING THICKNESS.

4. DEVICES TO BE INSTALLED IN CONCRETE OR CMU CORNER WITH APPROVED FASTENING DEVICE.

5. FIRE ALARM, COMMUNICATIONS AND CONTROLS

6. FIRE ALARM COMMUNICATION AND CONTROL UNIT

7. FIRE ALARM COMPLIANCE AND CONTROLS

8. LIGHTING SYMBOLS

9. PREPARED COPY OF PARTS LIST AND MATERIALS SPECIFICATIONS FOR REVIEW AND APPROVAL.

10. PREPARED COPY OF PARTS LIST AND MATERIALS SPECIFICATIONS FOR REVIEW AND APPROVAL.

11. PREPARED COPY OF PARTS LIST AND MATERIALS SPECIFICATIONS FOR REVIEW AND APPROVAL.

12. PREPARED COPY OF PARTS LIST AND MATERIALS SPECIFICATIONS FOR REVIEW AND APPROVAL.
<table>
<thead>
<tr>
<th>CABINET TYPE</th>
<th>PANEL</th>
<th>SURFACE</th>
<th>FEEDER MAINS VOLTAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>480/277 Wye</td>
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</tbody>
</table>

### DEVICE BRANCH CIRCUIT PHASE LOAD (VOLT-AMPS) BRANCH CIRCUIT DEVICE

<table>
<thead>
<tr>
<th>TRIP O</th>
<th>TRIP N</th>
<th>TRIP ES</th>
</tr>
</thead>
<tbody>
<tr>
<td>30 A</td>
<td>20 A</td>
<td>90 A</td>
</tr>
</tbody>
</table>

### TERMINAL UNIT TU-4-1
- 3 TERMINAL UNIT
- 40 A
- TRIP O

### TERMINAL UNIT TU-4-9
- 3 TERMINAL UNIT
- 80 A
- TRIP N

### TERMINAL UNIT TU-4-4
- 3 TERMINAL UNIT
- 90 A
- TRIP ES

### TERMINAL UNIT TU-4-3
- 3 TERMINAL UNIT
- 30 A
- TRIP O

### TERMINAL UNIT TU-4-11
- 3 TERMINAL UNIT
- 30 A
- TRIP N

### PANEL 'PP4A'
- 100 A

### SPARE
- 3 TERMINAL UNIT
- 30 A
- TRIP N

### ADDITIONAL RATINGS
- 10 KAIC
- 3.3 kVA
- 3.0 kVA
- 1.3 kVA

### PANELBOARD LOAD TOTAL
- 12.5 kVA

---

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1. REMOVE HANDLE TIE FROM THIS BREAKER.
2. REMOVE MULTI-POLE BREAKER FROM THIS SPACE AND INSTALL BREAKER AS SHOWN.
3. ALL NEW BREAKERS SHALL MATCH THE AIC RATING OF THE PANEL INTO WHICH THEY ARE INSTALLED.

**ISSUED FOR AGENCY REVIEW - NOT RELEASED FOR CONSTRUCTION**
PROVIDE 4" J-HOOKS SECURED TO STRUCTURE, 4'-0" MAXIMUM

ELECTRICAL ROUTING PLAN - 3RD FLOOR

ELECTRICAL LIGHTING PLAN - ROOMS 426, 429

LIGHTING NOTES:
1. SEE ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATIONS OF ALL CEILING MOUNTED FIXTURES AND DEVICES.
2. CONNECT NEW AND RELOCATED FIXTURES TO EXISTING ROOM LIGHTING CIRCUITS IN THEIR RESPECTIVE AREAS. REWIRE FIXTURES AS NECESSARY TO ACCOMPLISH SWITCHING AS SHOWN ON PLANS.
3. ALL REUSED FIXTURES SHALL BE THOROUGHLY CLEANED AND REUSED AND EXTEND EXISTING LIGHTING CIRCUITS IN THIS AREA.

POWER NOTES:
1. KEYED SWITCH AND EMERGENCY STOP BUTTON FOR GAS SOLENOID OPERATION AND ROOM POWER CUTOFF. BACK BOXES FOR SWITCH ... PROVIDED WITH FURNITURE AND MOUNTED IN TABLE. COORDINATE EXACT LOCATION WITH OWNER. SEE 1/E0.1 FOR CONTROL DIAGRAM.

OFFICE

213E

CKT-C

213D

CKT-B

OFFICE

213E

CKT-C

PROVIDE 4" J-HOOKS SECURED TO STRUCTURE, 4'-0" MAXIMUM

ELECTRICAL DEMOLITION POWER PLAN - ROOM 213

ELECTRICAL LIGHTING PLAN - ROOM 213

LIGHTING NOTES:
1. SEE ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATIONS OF ALL CEILING MOUNTED FIXTURES AND DEVICES.
2. CONNECT NEW AND RELOCATED FIXTURES TO EXISTING ROOM LIGHTING CIRCUITS AND SWITCH.
3. ALL REUSED FIXTURES SHALL BE THOROUGHLY CLEANED AND REUSED AND EXTEND EXISTING LIGHTING CIRCUITS IN THIS AREA.

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