

**ELECTRICAL SYMBOLS**

- RECEPTACLES (MOUNTED 18" AFF UNLESS INDICATED OTHERWISE)  
SUBSCRIPT S = LEVITON 5280-1. SUBSCRIPT C = HUBBELL HBL5235
- ⊕ DUPLEX RECEPTACLE OUTLET (20A, 125V, 2 POLE, 3 WIRE, GROUNDING TYPE, NEMA 5-20R)
  - ⊕ DUPLEX RECEPTACLE OUTLET (20A, 125V, 2 POLE, 3 WIRE, GROUNDING TYPE, NEMA 5-20R) MOUNT 4" ABOVE COUNTER TOP, SINK, OR BACKSPASH (IF PRESENT).
  - ⊕ SINGLE RECEPTACLE OUTLET (20A, 125V, 2 POLE, 3 WIRE, GROUNDING TYPE, NEMA 5-20R)
  - ⊕ FLOOR RECEPTACLE OUTLET (20A, 125V, 2 POLE, 3 WIRE, GROUNDING TYPE, NEMA 5-20R)
  - ⊕ SINGLE RECEPTACLE OUTLET (50A, 250V, 3 POLE, 3 WIRE, NEMA 10-50R)
  - ⊕ SINGLE RECEPTACLE OUTLET (20A, 250V, 2 POLE, 3 WIRE, GROUNDING TYPE, NEMA 6-20R)
  - ⊕ SINGLE RECEPTACLE OUTLET (30A, 250V, 2 POLE, 3 WIRE, GROUNDING TYPE, NEMA 6-30R)
  - ⊕ SINGLE RECEPTACLE OUTLET (30A, 250V, 3 POLE, 4 WIRE, TWIST-LOCK, GROUNDING TYPE, NEMA L15-30R)
  - ⊕ SINGLE SPECIAL-PURPOSE RECEPTACLE OUTLET; NUMBER CORRESPONDS TO THE SPECIAL-PURPOSE RECEPTACLE SCHEDULE.
  - ⊕ SINGLE RECEPTACLE FOR ELECTRIC RANGE (50A, 125/250V, 3 POLE, 4 WIRE GROUNDING TYPE NEMA 14-50R)
  - ⊕ SINGLE RECEPTACLE OUTLET (30A, 250V, 2 POLE, 3 WIRE GROUNDING TYPE NEMA 6-30R)
  - ⊕ DUPLEX RECEPTACLE FOR MOUNTED IN CEILING (20A, 125V, 2 POLE, 3 WIRE GROUNDING TYPE NEMA 5-20R)
  - ⊕ TWO (2) DUPLEX RECEPTACLES MOUNTED IN DOUBLE GANG BACKBOX (20A, 125V, 2 POLE, 3 WIRE GROUNDING TYPE NEMA 5-20R)
  - ⊕ TWO (2) DUPLEX RECEPTACLES FLOOR MOUNTED IN DOUBLE GANG BACKBOX (20A, 125V, 2 POLE, 3 WIRE GROUNDING TYPE NEMA 5-20R)

**LIGHT FIXTURES**

- ⊕ LIGHT FIXTURE, FLUORESCENT, CEILING MOUNTED.
- ⊕ LIGHT FIXTURE, FLUORESCENT, CEILING MOUNTED ON EMERGENCY CIRCUIT.
- ⊕ LIGHT FIXTURE, FLUORESCENT, CEILING MOUNTED WITH EMERGENCY SELF CONTAINED BATTERY PACK. BATTERY PACK IS TO REMAIN UNSWITCHED.
- ⊕ LIGHT FIXTURE, FLUORESCENT, WALL MOUNTED.
- ⊕ LIGHT FIXTURE, FLUORESCENT, INDUSTRIAL STRIP, SURFACE OR PENDANT MOUNTED.
- ⊕ LIGHT FIXTURE, FLUORESCENT, INDUSTRIAL STRIP, SURFACE OR PENDANT MOUNTED ON EMERGENCY CIRCUIT.
- ⊕ LIGHT FIXTURE, FLUORESCENT, INDUSTRIAL STRIP, SURFACE OR PENDANT MOUNTED WITH EMERGENCY SELF CONTAINED BATTERY PACK. BATTERY PACK IS TO REMAIN UNSWITCHED.
- ⊕ LIGHT FIXTURE, INCANDESCENT, FLUORESCENT OR H.I.D., CEILING MOUNTED. (REFER TO FIXTURE SCHEDULE FOR TYPE).
- ⊕ LIGHT FIXTURE, INCANDESCENT, FLUORESCENT OR H.I.D., CEILING MOUNTED ON EMERGENCY CIRCUIT.
- ⊕ LIGHT FIXTURE, INCANDESCENT, FLUORESCENT OR H.I.D., CEILING MOUNTED WITH EMERGENCY SELF CONTAINED BATTERY PACK. BATTERY PACK IS TO REMAIN UNSWITCHED.
- ⊕ LIGHT FIXTURE, INCANDESCENT, FLUORESCENT OR H.I.D., WALL MOUNTED. (REFER TO FIXTURE SCHEDULE FOR TYPE).
- ⊕ EMERGENCY BATTERY POWERED LIGHTING UNIT, WITH SELF CONTAINED BATTERY, CHARGER, ETC. (REFER TO FIXTURE SCHEDULE FOR BATTERY TYPE, VOLTAGE, LAMP TYPE, WATTAGE, ETC.) TRIANGLES DEPICT QUANTITY AND AIMING OF LAMP HEADS.
- ⊕ EXIT SIGN, LIGHTED, CEILING MOUNTED. SHADED AREA INDICATES FACE. ARROW DEPICTS DIRECTIONAL ARROW ON SIGN. WHEN REQUIRED BY THE FIXTURE SCHEDULE, AN EMERGENCY SELF-CONTAINED BATTERY PACK IS TO REMAIN UNSWITCHED.
- ⊕ EXIT SIGN, LIGHTED, WALL MOUNTED AT 7'-0" AFF UNLESS INDICATED OTHERWISE. WHEN REQUIRED BY THE FIXTURE SCHEDULE, AN EMERGENCY SELF-CONTAINED BATTERY PACK IS TO REMAIN UNSWITCHED.
- ⊕ FLOOD LIGHT. ARROW INDICATES DIRECTION OF BEAM.
- ⊕ DOCK LIGHT
- ⊕ LIGHT FIXTURE IDENTIFICATION SYMBOL. THIS SYMBOL MAY BE USED ON LIGHTING FLOOR PLANS TO IDENTIFY THE FIXTURE TYPE IN A ROOM OR SPACE IN LIEU OF AN UPPER CASE LETTER BESIDE EACH FIXTURE. SUPERSCRIPIT INDICATES QUANTITY. SUBSCRIPT INDICATES MOUNTING HEIGHT.

**SWITCHES (MOUNTED AT 46", UNLESS INDICATED OTHERWISE)**

- S<sub>1</sub> SWITCH, SINGLE POLE, 20A; LOWER CASE LETTER INDICATES DEVICES CONTROLLED.
- S<sub>2</sub> SWITCH, DOUBLE POLE, 20A
- S<sub>3</sub> SWITCH, 3-WAY, 20A
- S<sub>4</sub> SWITCH, 4-WAY, 20A
- S<sub>K</sub> SWITCH, KEY OPERATED, SINGLE POLE
- S<sub>P</sub> SWITCH, WITH PILOT LIGHT, SINGLE POLE
- S<sub>M</sub> MANUAL MOTOR STARTING SWITCH, WITH THERMAL OVERLOAD ELEMENT AND PROVISIONS FOR LOCKING OPEN
- S<sub>D</sub> SWITCH, DIMMING (ON FLUORESCENT FIXTURES, COORDINATE WITH BALLAST MANUFACTURER)
- S<sub>M</sub> SWITCH, MULLION
- S<sub>V</sub> SWITCH, LOW VOLTAGE WITH MOMENTARY CONTACTS
- S<sub>OU</sub> SWITCH, OCCUPANCY SENSOR, ULTRASONIC
- S<sub>OP</sub> SWITCH, OCCUPANCY SENSOR, PASSIVE INFRARED

MULTIPLE DEVICES LOCATED SIDE BY SIDE (OR ABOVE AND BELOW, IF DIFFERENT ELEVATIONS ARE SHOWN) AT THE LOCATION INDICATED.)

**ELECTRICAL SYMBOLS**

- TELEPHONE/COMMUNICATIONS/DATA (OUTLETS SHALL BE MOUNTED 18" AFF UNLESS INDICATED OTHERWISE)
- ⊕ TELEPHONE OUTLET. OUTLET BOX WITH 3/4" C STUBBED ABOVE ACCESSIBLE CEILING SPACE AND PULL CORD. SUBSCRIPT: W - WALL MOUNTED AT 54" AFF; P - PAY TELEPHONE MOUNTED 48" AFF TO COIN SLOT.
  - ⊕ TELEPHONE FLOOR OUTLET. OUTLET BOX WITH 3/4" C STUBBED ABOVE ACCESSIBLE CEILING SPACE AND PULL CORD
  - ⊕ INTERCOMMUNICATION OUTLET. OUTLET BOX WITH 3/4" C STUBBED ABOVE ACCESSIBLE CEILING SPACE AND PULL CORD. SUBSCRIPT: W - WALL MOUNTED AT 54" AFF.
  - ⊕ INTERCOMMUNICATION FLOOR OUTLET. OUTLET BOX WITH 3/4" C STUBBED ABOVE ACCESSIBLE CEILING SPACE AND PULL CORD
  - ⊕ DATA OUTLET. OUTLET BOX WITH 3/4" C STUBBED ABOVE ACCESSIBLE CEILING SPACE AND PULL CORD.
  - ⊕ DATA FLOOR OUTLET. OUTLET BOX WITH 3/4" C STUBBED ABOVE ACCESSIBLE CEILING SPACE AND PULL CORD
  - 4'-0" HIGH x 3/4" THICK VARNISHED PLYWOOD BACKBOARD. SEE PLANS FOR LENGTH.
- PAGING DEVICES**
- ⊕ LOUDSPEAKER OUTLET, DIRECTIONAL. SUBSCRIPT "V" DENOTES VOLUME CONTROL.
  - ⊕ LOUDSPEAKER OUTLET, DIRECTIONAL. SUBSCRIPT "V" DENOTES VOLUME CONTROL. WALL MOUNTED
  - ⊕ LOUDSPEAKER OUTLET, BI-DIRECTIONAL, SURFACE MOUNTED. SUBSCRIPT "V" DENOTES VOLUME CONTROL.
  - ⊕ LOUDSPEAKER OUTLET, CEILING MOUNTED. SUBSCRIPT "V" DENOTES VOLUME CONTROL.
  - S<sub>V</sub> SPEAKER VOLUME CONTROL

**SECURITY**

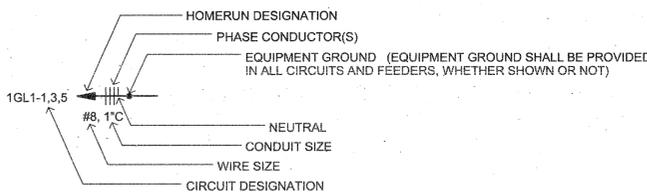
- M MAGNETIC ALARM SWITCH
- D DURESS ALARM SWITCH
- MD MOTION DETECTOR
- CD CAPACITIVE DETECTOR
- CCTV CAMERA LOCATION, CEILING MOUNTED UNLESS INDICATED OTHERWISE
- KS-H KEYPAD ACCESS ALARM OVERRIDE CONTROL
- ELECTRIC PUSH-BUTTON
- CARD READER

**SINGLE LINE**

- CIRCUIT BREAKER, TRIP RATING AS INDICATED, 3 POLE OR AS INDICATED.
- 60A DISCONNECT SWITCH OR LOAD INTERRUPTER SWITCH, CURRENT RATING AS INDICATED, 3 POLE OR AS INDICATED.
- ⊕ SWITCH WITH GROUND FAULT INTERRUPTER
- F30 FUSE, CURRENT RATING AND TYPE WHEN INDICATED.
- TRANSFORMER, DESCRIPTION AS NOTED OR PER SCHEDULE
- CURRENT TRANSFORMER
- POTENTIAL TRANSFORMER
- SS PHASE SELECTOR SWITCH
- A AMMETER
- V VOLT METER
- WH WATT-HOUR METER

**ELECTRICAL SYMBOLS**

- FIRE ALARM (DEVICES WITH VISUAL STROBES SHALL BE MOUNTED 80" AFF TO BOTTOM OF DEVICE OR 6" BELOW THE CEILING TO TOP OF DEVICE, WHICH EVER IS LESS)
- F FIRE ALARM MANUAL PULL STATION, 48" AFF
  - ⊕ FIRE ALARM BELL WITH VISUAL STROBE
  - ⊕ FIRE ALARM HORN WITH VISUAL STROBE
  - ⊕ FIRE ALARM CHIME WITH VISUAL STROBE
  - V FIRE ALARM VISUAL STROBE
  - S FIRE ALARM SMOKE DETECTOR, PHOTOELECTRIC TYPE, CEILING MOUNTED UNLESS INDICATED OTHERWISE. SUBSCRIPTS: "A" - ABOVE CEILING; "U" - UNDER RAISED FLOOR
  - S<sub>D</sub> FIRE ALARM SMOKE DETECTOR, LOCATED IN THE SUPPLY AIR DUCT.
  - S<sub>R</sub> FIRE ALARM SMOKE DETECTOR, LOCATED IN THE RETURN AIR DUCT.
  - HT FIRE ALARM HEAT DETECTOR, RATE OF RISE TYPE, CEILING MOUNTED UNLESS INDICATED OTHERWISE. SUBSCRIPT "F" DENOTES FIXED TEMPERATURE TYPE
  - FS FIRE ALARM FLOW SWITCH IN SPRINKLER PIPING SYSTEM. (FURNISHED UNDER THE FIRE SUPPRESSION SECTION OF THE SPECIFICATIONS)
  - TS FIRE ALARM VALVE TAMPER SWITCH. (FURNISHED UNDER THE FIRE SUPPRESSION SECTION OF THE SPECIFICATIONS)
  - P FIRE ALARM PRESSURE SWITCH IN SPRINKLER RISER. (FURNISHED UNDER THE FIRE SUPPRESSION SECTION OF THE SPECIFICATIONS)
  - DH FIRE ALARM DOOR HOLD OPEN MECHANISM. (FURNISHED UNDER DOOR HARDWARE SECTION OF THE SPECIFICATIONS).
- SWITCHGEAR**
- ⊕ MAGNETIC MOTOR STARTER (FURNISHED BY DIVISION 15, UNLESS NOTED OTHERWISE)
  - ELECTRICAL PANELBOARD, FLUSH MOUNTED
  - ELECTRICAL PANELBOARD, SURFACE MOUNTED
  - SAFETY SWITCH; 30A CURRENT RATING UNLESS NOTED OTHERWISE. +4'-0" TO HANDLE
  - 30 FUSIBLE SAFETY SWITCH; CURRENT RATING AND FUSE RATING NOTED. +4'-0" TO HANDLE.
  - ⊕ CIRCUIT BREAKER IN WALL MOUNTED ENCLOSURE
  - ⊕ ELECTRICAL TRANSFORMER. FLOOR MOUNTED UNLESS INDICATED OTHERWISE.
- MISCELLANEOUS**
- ⊕ JUNCTION BOX. WALL MOUNT AS INDICATED. FINAL CONNECTION TO BE MADE BY ELECTRICAL CONTRACTOR.
  - ⊕ CLOCK OUTLET. WALL MOUNTED 7'-6" AFF
  - ⊕ MOTOR
  - 10' BARE #6 COILED & EXOTHERMICALLY WELDED TO COLUMN
  - CABLE TELEVISION OUTLET BOX MOUNTED 18" AFF WITH CONDUIT STUBBED ABOVE CEILING. PROVIDE PULL CORD.
  - CONDUIT RUN, EXPOSED
  - CONDUIT RUN, CONCEALED
  - FLEXIBLE CONDUIT
- CIRCUIT INFORMATION**
- ⊕ HOMERUN DESIGNATION
  - ⊕ PHASE CONDUCTOR(S)
  - ⊕ EQUIPMENT GROUND (EQUIPMENT GROUND SHALL BE PROVIDED IN ALL CIRCUITS AND FEEDERS, WHETHER SHOWN OR NOT)
  - ⊕ NEUTRAL
  - ⊕ CONDUIT SIZE
  - ⊕ WIRE SIZE
  - ⊕ CIRCUIT DESIGNATION
- CIRCUIT DESIGNATION INDICATES PANELBOARD AND CIRCUIT(S) TO WHICH HOMERUN IS CONNECTED.
  - WIRE SIZE SHALL BE NO. 12, UNLESS INDICATED OTHERWISE.
  - CONDUIT SIZE SHALL BE MINIMUM ALLOWED BY SPECIFICATIONS FOR NO. 12 SIZE WIRE, 3/4" FOR NO. 10, UNLESS INDICATED OTHERWISE.
  - CIRCUIT INFORMATION PROVIDED AT THE HOMERUN SYMBOL SHALL APPLY THE ENTIRE LENGTH OF THE CIRCUIT (FROM PANELBOARD TO LAST LOAD).
  - WHEN NO PHASE CONDUCTOR OR NEUTRAL IS INDICATED AT THE HOMERUN SYMBOL, PROVIDE ONE PHASE CONDUCTOR AND ONE NEUTRAL, BOTH NO. 12.
  - SWITCHING CONDUCTORS, CONDUCTORS FOR NIGHT LIGHT CIRCUITS (UNSWITCHED), ETC. ARE NOT SHOWN, BUT SHALL BE PROVIDED AS NECESSARY.
  - WIRE SIZE INDICATED ON THESE DOCUMENTS AS INDICATED BY "NO." OR "W" HAS THE SAME MEANING AS "AWG" (N.E.C. NOMENCLATURE). (i.e. "NO. 12" OR "W12" MEANS "12AWG" IN N.E.C. NOMENCLATURE.)



**LIGHTING FIXTURE SCHEDULE**

| MARK | MANUFACTURER & CAT. NO.  | VOLTS | LAMP(S)       | REMARKS  |
|------|--|-------|---------------|--|
| A    | COOPER RSA #CQW-W-23-A OR APPROVED EQUAL                               | 120   | 2-39W PAR30MH | ROTATED OPTICS   |
| B    | COOPER RSA #CQW-23-B-S OR APPROVED EQUAL                               | 120   | 4-39W PAR30MH | COLOR - SILVER   |
| C    | BETA-CALCO #20 2205-2-X-RG OR APPROVED EQUAL                           | 277   | 1-150 W MH    | BACK TO BACK WITH DECORATIVE RING  |
| D    | COOPER METALUX #SSL-132-277-EB81 OR APPROVED EQUAL                     | 277   | 1-F032T8/SP35 | COVE LIGHT   |
| E    | ASTRALITE #DCA-300-24-BA-NC OR APPROVED EQUAL                          | 277   | 2-5W          | SEMI RECESSED EMERGENCY LIGHT WITH BATTERY BACKUP  |
| F    | COOPER #PM633CB-39-AL-277-AR60S-XX-2-277-277-IS OR APPROVED EQUAL      | 277   | 1-39W PAR30MH | CLOSED BACK FIXTURE FOR 60 AMP BUSWAY  |
| G    | COOPER AMETRIX #VS-SO-P-1-E070-277-S-X OR APPROVED EQUAL               | 277   | 1-70W MH      | WALL MOUNTED   |
| H    | COOPER METALUX #IC-232-277V-EB81 OR APPROVED EQUAL                     | 277   | 2-F032T8/SP35 | 4' INDUSTRIAL CHAIN HUNG   |
| J    | COOPER INVUE #ENT-70-MH-277-EB-FM OR APPROVED EQUAL                    | 277   | 1-70W MH      | WALL MOUNTED   |
| K    | COOPER METALUX #CR-232A-277V-EB81 OR APPROVED EQUAL                    | 277   | 2-F032T8/SP35 | 4' LENSED STRIP  |
| L    | NEMO #902-HHS-MH1 50-277-NBZ-NBZ-36 OR APPROVED EQUAL                  | 277   | 1-39W MH      | BOLLARD  |
| M    | COOPER INVUE #STS-175MH-MT-5S-GM-STR WITH VA1057 ARM OR APPROVED EQUAL | 277   | 1-175W MH     | POLE MOUNTED FIXTURE   |
| N    | HESS NOVARA #NVA450S-P-250M-7-B-15RS-SC-LP OR APPROVED EQUAL           | 277   | 1-250W MH     | POLE MOUNTED FIXTURE   |
| O    | TMS #Q08520 OR APPROVED EQUAL  | 277   | 1-42W CFL     | CAFE FIXTURE - PENDANT   |
| P    | DABMAR #LV-LED640 OR APPROVED EQUAL                                    | 277   | LED           | EXTERIOR WALL MOUNTED STEP LIGHT   |
| Q    | COOPER HALO #H2741C-73P OR APPROVED EQUAL                              | 277   | 1-130TT 2PIN  | RECESSED CAN LIGHT   |
| R    | TBD  | 277   | TBD           | WALL MOUNTED UP LIGHT  |
| ⊕    | ASTRALITE #ELX-UNVRC-1-RC-BA-EM OR APPROVED EQUAL                      | 277   | LED           | EXIT SIGN WITH EMERGENCY BATTERY PACK. ARROWS AND FACES PER PLANS. WALL OR CEILING MOUNT AS INDICATED. |

**LIGHT FIXTURE SCHEDULE NOTES:**  
1. VERIFY ALL FINISHES WITH ARCHITECT.  
2. EQUAL FIXTURES MUST HAVE SAME APPEARANCE AND PERFORMANCE TO BE CONSIDERED.

**ABBREVIATIONS:**

- GFI = GROUND FAULT INTERRUPTER
- IG = ISOLATED GROUND
- WP = WEATHERPROOF CONSTRUCTION
- U/O = UNLESS INDICATED OTHERWISE
- AFF = ABOVE FINISHED FLOOR
- AFL = ABOVE FINISHED LANDING

**GENERAL SYMBOLS NOTES:**

1. ALL SYMBOLS MAY NOT BE USED.
2. MOUNTING HEIGHTS ARE ABOVE FINISHED FLOOR OR GRADE TO THE CENTER LINE OF THE OUTLET, DEVICE, ETC. UNLESS INDICATED OTHERWISE.
3. LARGE AMPACITY CIRCUIT DESIGNATION EXAMPLE: "4 SETS OF 3#500, #250N, #1/0G, 4\"/>



**POLK STANLEY ROWLAND CURZON PORTER ARCHITECTS, LTD.**

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509 W. SPRING STREET,  
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**CONSULTANTS:**

- CIVIL ENGINEER:  
MCLELLAND ENGINEERS
- LANDSCAPE ARCHITECT:  
LARSON BURNS SMITH
- STRUCTURAL ENGINEER:  
CROMWELL ENGINEERS INC.
- MECH., ELEC., PLUMB. ENGINEER:  
CROMWELL ENGINEERS INC.
- GLOBAL VILLAGE CONSULTANT  
CAMBRIDGE SEVEN ASSOCIATES
- INTERIOR DESIGNER:  
POLK STANLEY ROWLAND  
CURZON PORTER ARCHITECTS
- GENERAL CONTRACTOR:  
CDI CONTRACTORS, INC.

**NOTES:**

ISSUE DATE:  
17 SEPTEMBER 2007

REVISIONS  
E001 Revision 2  
4/18/08  
AST #07  
Project 431E  
J. S. FELTUS  
REGISTERED PROFESSIONAL ENGINEER  
STATE OF ARKANSAS  
NO. 54019

**HEIFER INTERNATIONAL CENTER**

LITTLE ROCK, ARKANSAS

PSRCP JOB NUMBER:  
431E

CONTENTS:  
ELECTRICAL SYMBOLS

SHEET NUMBER:

**E001**

- CONSULTANTS:**  
**CIVIL ENGINEER:**  
 MCCLELLAND ENGINEERS  
**LANDSCAPE ARCHITECT:**  
 LARSON BURNS SMITH  
**STRUCTURAL ENGINEER:**  
 CROMWELL ENGINEERS INC.  
**MECH., ELEC., PLUMB. ENGINEER:**  
 CROMWELL ENGINEERS INC.  
**GLOBAL VILLAGE CONSULTANT**  
 CAMBRIDGE SEVEN ASSOCIATES  
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**GENERAL CONTRACTOR:**  
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**NOTES:**

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ISSUE DATE:  
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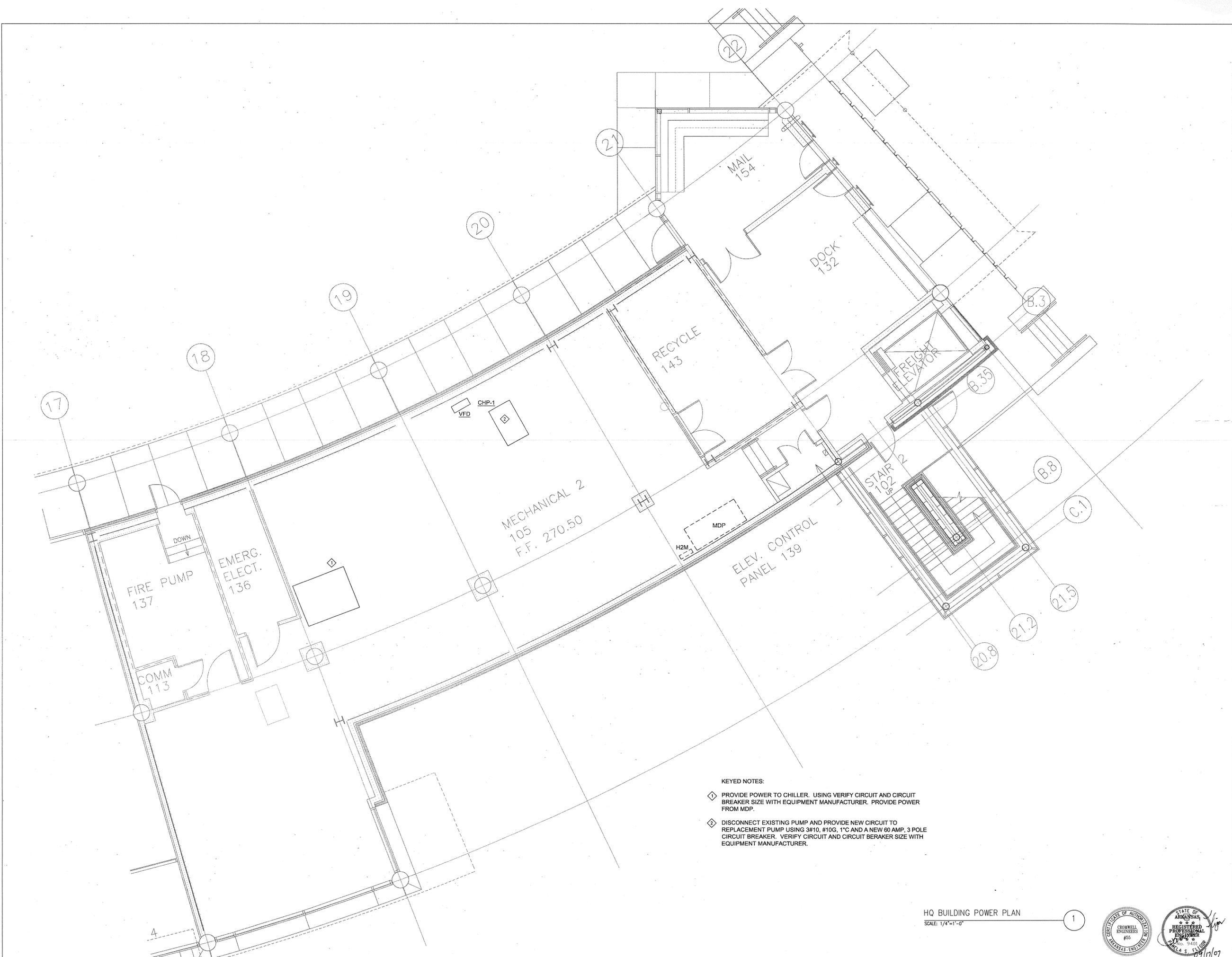
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CENTER  
LITTLE ROCK, ARKANSAS

PSRCP JOB NUMBER:  
431E

CONTENTS:  
HQ BUILDING POWER PLAN

SHEET NUMBER:  
**E100**



- KEYED NOTES:**
- ◇ PROVIDE POWER TO CHILLER. USING VERIFY CIRCUIT AND CIRCUIT BREAKER SIZE WITH EQUIPMENT MANUFACTURER. PROVIDE POWER FROM MDP.
  - ◇ DISCONNECT EXISTING PUMP AND PROVIDE NEW CIRCUIT TO REPLACEMENT PUMP USING 3#10, #10G, 1" AND A NEW 60 AMP, 3 POLE CIRCUIT BREAKER. VERIFY CIRCUIT AND CIRCUIT BREAKER SIZE WITH EQUIPMENT MANUFACTURER.

HQ BUILDING POWER PLAN  
SCALE: 1/4"=1'-0" 1



**CONSULTANTS:**

**CIVIL ENGINEER:**  
MCLELLAND ENGINEERS

**LANDSCAPE ARCHITECT:**  
LARSON BURNS SMITH

**STRUCTURAL ENGINEER:**  
CROMWELL ENGINEERS INC.

**MECH., ELEC., PLUMB. ENGINEER:**  
CROMWELL ENGINEERS INC.

**GLOBAL VILLAGE CONSULTANT**  
CAMBRIDGE SEVEN ASSOCIATES

**INTERIOR DESIGNER:**  
POLK STANLEY ROWLAND  
CURZON PORTER ARCHITECTS

**GENERAL CONTRACTOR:**  
CDI CONTRACTORS, INC.

**NOTES:**

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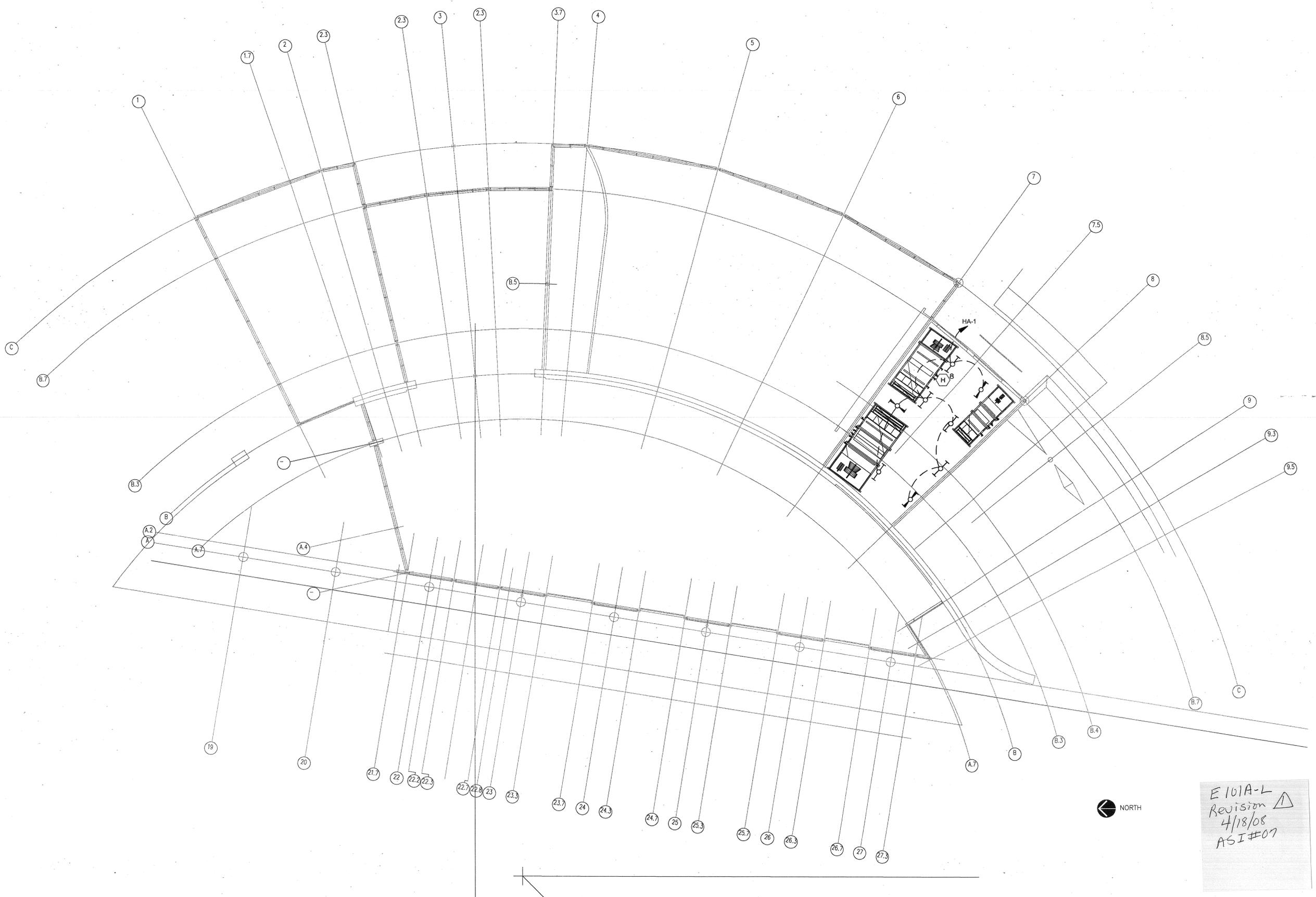
431E

**CONTENTS:**

MEZZANINE LIGHTING  
PLAN

**SHEET NUMBER:**

E101A-L



E101A-L  
Revision  
4/18/08  
ASI#07

**MEZZANINE LIGHTING PLAN**  
SCALE: 1/8"=1'-0"



**CONSULTANTS:**

**CIVIL ENGINEER:**  
MCCELLEND ENGINEERS

**LANDSCAPE ARCHITECT:**  
LARSON BURNS SMITH

**STRUCTURAL ENGINEER:**  
CROMWELL ENGINEERS INC.

**MECH., ELEC., PLUMB. ENGINEER:**  
CROMWELL ENGINEERS INC.

**GLOBAL VILLAGE CONSULTANT**  
CAMBRIDGE SEVEN ASSOCIATES

**INTERIOR DESIGNER:**  
POLK STANLEY ROWLAND  
CURZON PORTER ARCHITECTS

**GENERAL CONTRACTOR:**  
CDI CONTRACTORS, INC.

**NOTES:**

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**ISSUE DATE:**  
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**PSRCP JOB NUMBER:**

431E

**CONTENTS:**

MEZZANINE POWER PLAN

**SHEET NUMBER:**

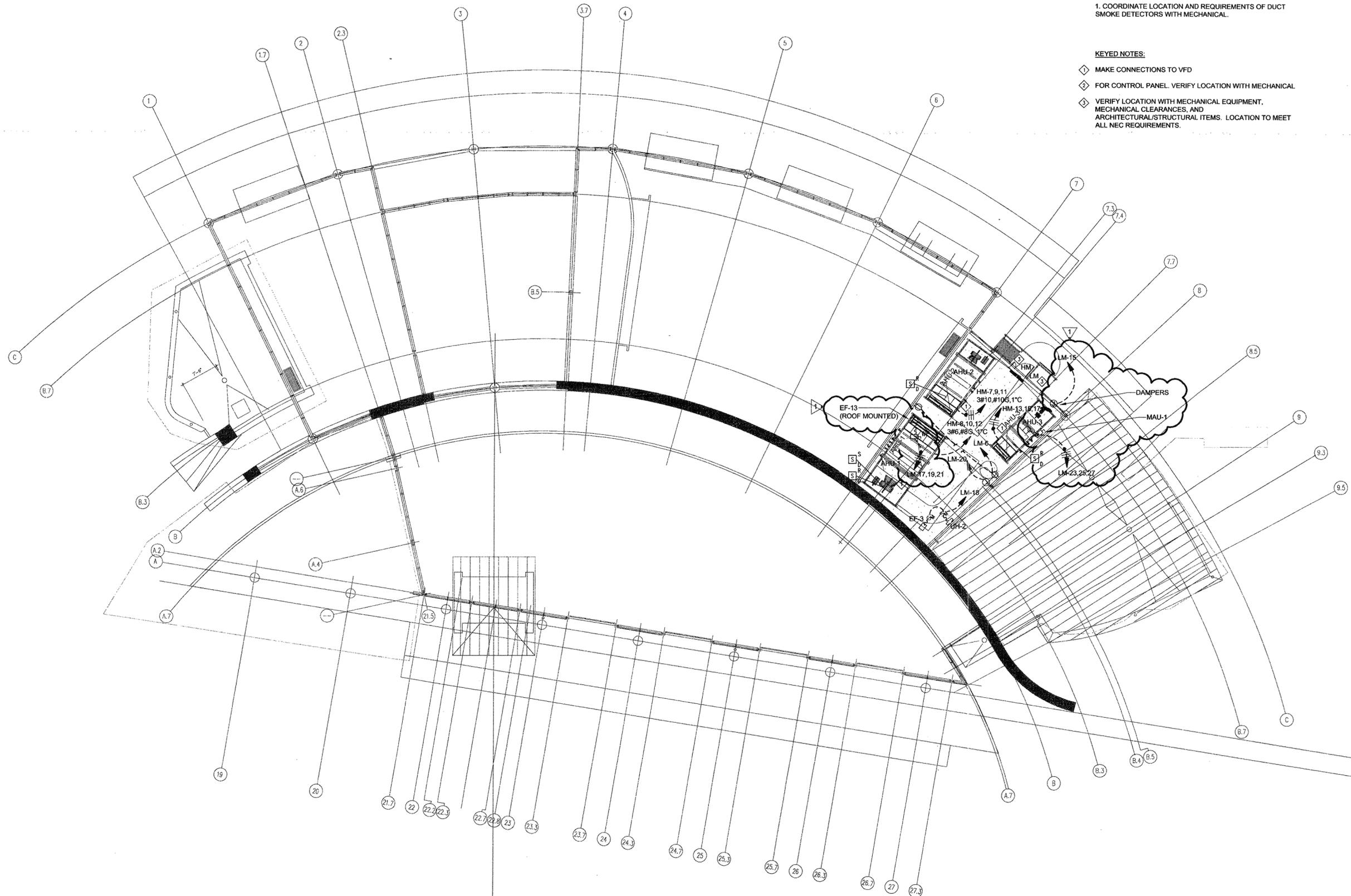
**E101A-P**

**GENERAL NOTES:**

1. COORDINATE LOCATION AND REQUIREMENTS OF DUCT SMOKE DETECTORS WITH MECHANICAL.

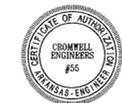
**KEYED NOTES:**

- ① MAKE CONNECTIONS TO VFD
- ② FOR CONTROL PANEL. VERIFY LOCATION WITH MECHANICAL
- ③ VERIFY LOCATION WITH MECHANICAL EQUIPMENT, MECHANICAL CLEARANCES, AND ARCHITECTURAL/STRUCTURAL ITEMS. LOCATION TO MEET ALL NEC REQUIREMENTS.



MEZZANINE POWER PLAN  
SCALE: 1/8"=1'-0"

1



- CONSULTANTS:**
- CIVIL ENGINEER: MCCLELLAND ENGINEERS
  - LANDSCAPE ARCHITECT: LARSON BURNS SMITH
  - STRUCTURAL ENGINEER: CROMWELL ENGINEERS INC.
  - MECH., ELEC., PLUMB. ENGINEER: CROMWELL ENGINEERS INC.
  - GLOBAL VILLAGE CONSULTANT: CAMBRIDGE SEVEN ASSOCIATES
  - INTERIOR DESIGNER: POLK STANLEY ROWLAND CURZON PORTER ARCHITECTS
  - GENERAL CONTRACTOR: CDI CONTRACTORS, INC.

**NOTES:**

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ISSUE DATE:  
17 SEPTEMBER 2007

E101-L  
Revision A  
4/18/08  
ASI # 07  
Project 431E

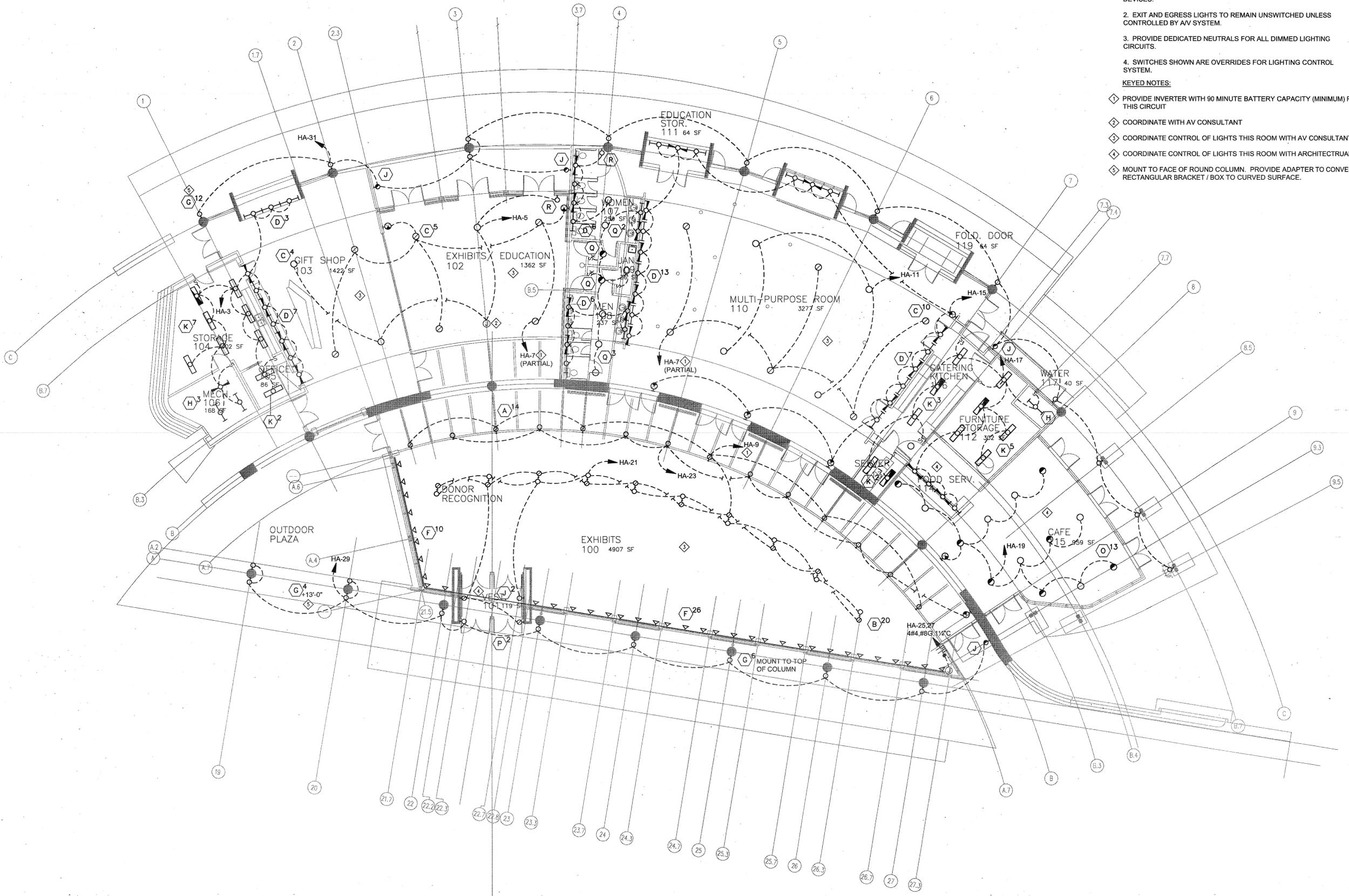
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INTERNATIONAL  
CENTER  
LITTLE ROCK, ARKANSAS

PSRCP JOB NUMBER:  
431E

CONTENTS:  
LIGHTING PLAN

SHEET NUMBER:  
E101-L

- GENERAL NOTES:**
1. SEE ARCHITECTURAL FOR LOCATION OF ALL DEVICES, BOXES, CONDUIT, ETC., EXPOSED TO VIEW INCLUDING ROOF MOUNTED DEVICES.
  2. EXIT AND EGRESS LIGHTS TO REMAIN UNSWITCHED UNLESS CONTROLLED BY AV SYSTEM.
  3. PROVIDE DEDICATED NEUTRALS FOR ALL DIMMED LIGHTING CIRCUITS.
  4. SWITCHES SHOWN ARE OVERRIDES FOR LIGHTING CONTROL SYSTEM.
- KEYED NOTES:**
- ◇ PROVIDE INVERTER WITH 90 MINUTE BATTERY CAPACITY (MINIMUM) FOR THIS CIRCUIT
  - ◇ COORDINATE WITH AV CONSULTANT
  - ◇ COORDINATE CONTROL OF LIGHTS THIS ROOM WITH AV CONSULTANT
  - ◇ COORDINATE CONTROL OF LIGHTS THIS ROOM WITH ARCHITECTURAL
  - ◇ MOUNT TO FACE OF ROUND COLUMN. PROVIDE ADAPTER TO CONVERT RECTANGULAR BRACKET / BOX TO CURVED SURFACE.



NORTH  
LIGHTING PLAN  
SCALE: 1/8"=1'-0"



- CONSULTANTS:**
- CIVIL ENGINEER: MCCLELLAND ENGINEERS
  - LANDSCAPE ARCHITECT: LARSON BURNS SMITH
  - STRUCTURAL ENGINEER: CROMWELL ENGINEERS INC.
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  - GENERAL CONTRACTOR: CDI CONTRACTORS, INC.

**NOTES:**

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ISSUE DATE:  
17 SEPTEMBER 2007

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LITTLE ROCK, ARKANSAS

PSRCP JOB NUMBER:  
431E

CONTENTS:  
POWER PLAN

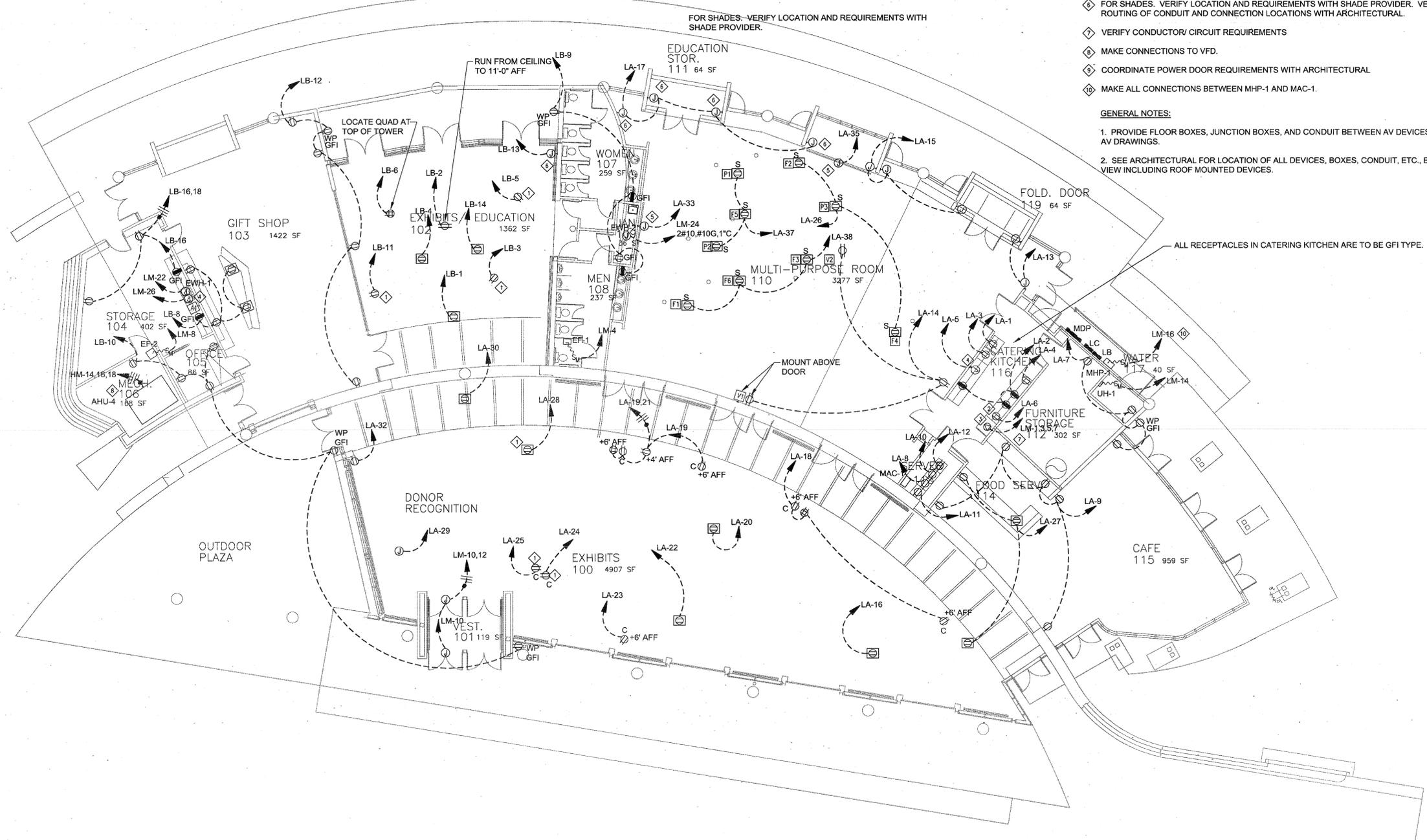
SHEET NUMBER:  
**E101-P**

**KEYED NOTES:**

- ① MOUNT ON TOP OF WALL
- ② COORDINATE WITH LOCATION OF MICROWAVE.
- ③ COORDINATE OUTLET TYPE(S) CIRCUIT BREAKER, CONDUCTOR AND CONDUIT SIZES WITH EQUIPMENT (STACKING OVENS). CIRCUIT AS REQUIRED BY EQUIPMENT.
- ④ FOR DISPOSER. PROVIDE WALL MOUNTED SWITCH AND MAKE ALL CONNECTIONS.
- ⑤ FOR SCREEN. MAKE CONNECTIONS TO UP-OFF-DOWN SWITCH AND/OR AV CONTROLS AS REQUIRED
- ⑥ FOR SHADES. VERIFY LOCATION AND REQUIREMENTS WITH SHADE PROVIDER. VERIFY ROUTING OF CONDUIT AND CONNECTION LOCATIONS WITH ARCHITECTURAL.
- ⑦ VERIFY CONDUCTOR/ CIRCUIT REQUIREMENTS
- ⑧ MAKE CONNECTIONS TO VFD.
- ⑨ COORDINATE POWER DOOR REQUIREMENTS WITH ARCHITECTURAL
- ⑩ MAKE ALL CONNECTIONS BETWEEN MHP-1 AND MAC-1.

**GENERAL NOTES:**

1. PROVIDE FLOOR BOXES, JUNCTION BOXES, AND CONDUIT BETWEEN AV DEVICES AS SHOWN ON AV DRAWINGS.
2. SEE ARCHITECTURAL FOR LOCATION OF ALL DEVICES, BOXES, CONDUIT, ETC., EXPOSED TO VIEW INCLUDING ROOF MOUNTED DEVICES.



NORTH  
POWER PLAN  
SCALE: 1/8"=1'-0"

1



- CONSULTANTS:**
- CIVIL ENGINEER: MCCLELLAND ENGINEERS
  - LANDSCAPE ARCHITECT: LARSON BURNS SMITH
  - STRUCTURAL ENGINEER: CROMWELL ENGINEERS INC.
  - MECH., ELEC., PLUMB. ENGINEER: CROMWELL ENGINEERS INC.
  - GLOBAL VILLAGE CONSULTANT: CAMBRIDGE SEVEN ASSOCIATES
  - INTERIOR DESIGNER: POLK STANLEY ROWLAND CURZON PORTER ARCHITECTS
  - GENERAL CONTRACTOR: CDI CONTRACTORS, INC.

**NOTES:**

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**ISSUE DATE:**  
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| △ | 9/27/07   | ADDENDUM #1 |
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| △ | 07 MAR 08 | ASI #05     |
| △ | 5/16/08   | ASI # 14    |

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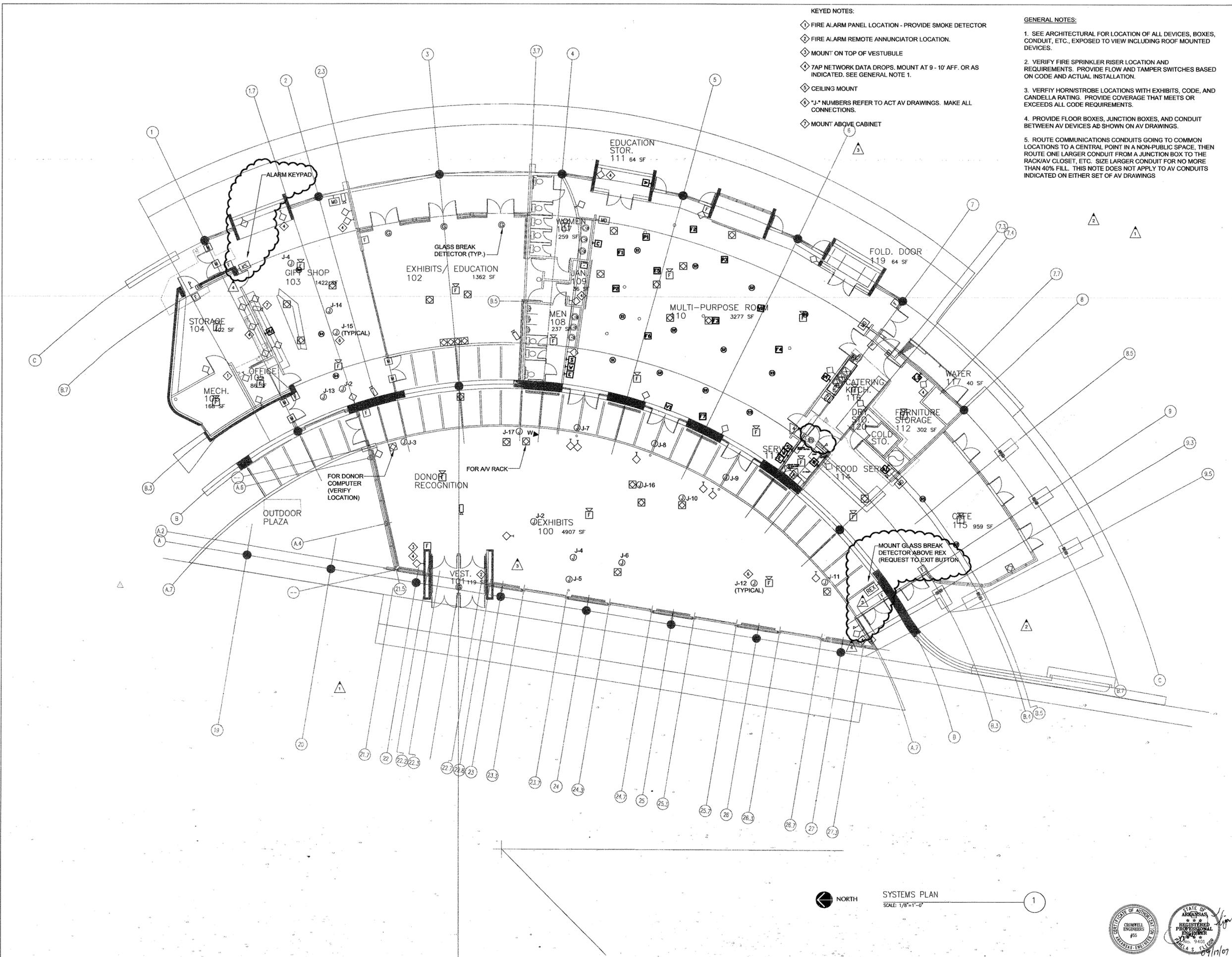
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PSRCP JOB NUMBER:  
431E  
CONTENTS:  
SYSTEMS PLAN

SHEET NUMBER:  
E101-S

- KEYED NOTES:**
- ◇ FIRE ALARM PANEL LOCATION - PROVIDE SMOKE DETECTOR
  - ◇ FIRE ALARM REMOTE ANNUNCIATOR LOCATION.
  - ◇ MOUNT ON TOP OF VESTIBULE
  - ◇ TAP NETWORK DATA DROPS. MOUNT AT 9 - 10' AFF. OR AS INDICATED. SEE GENERAL NOTE 1.
  - ◇ CEILING MOUNT
  - ◇ "J-" NUMBERS REFER TO ACT AV DRAWINGS. MAKE ALL CONNECTIONS.
  - ◇ MOUNT ABOVE CABINET

- GENERAL NOTES:**
1. SEE ARCHITECTURAL FOR LOCATION OF ALL DEVICES, BOXES, CONDUIT, ETC., EXPOSED TO VIEW INCLUDING ROOF MOUNTED DEVICES.
  2. VERIFY FIRE SPRINKLER RISER LOCATION AND REQUIREMENTS. PROVIDE FLOW AND TAMPER SWITCHES BASED ON CODE AND ACTUAL INSTALLATION.
  3. VERIFY HORN/STROBE LOCATIONS WITH EXHIBITS, CODE, AND CANDELLA RATING. PROVIDE COVERAGE THAT MEETS OR EXCEEDS ALL CODE REQUIREMENTS.
  4. PROVIDE FLOOR BOXES, JUNCTION BOXES, AND CONDUIT BETWEEN AV DEVICES AS SHOWN ON AV DRAWINGS.
  5. ROUTE COMMUNICATIONS CONDUITS GOING TO COMMON LOCATIONS TO A CENTRAL POINT IN A NON-PUBLIC SPACE. THEN ROUTE ONE LARGER CONDUIT FROM A JUNCTION BOX TO THE RACK/AV CLOSET, ETC. SIZE LARGER CONDUIT FOR NO MORE THAN 40% FILL. THIS NOTE DOES NOT APPLY TO AV CONDUITS INDICATED ON EITHER SET OF AV DRAWINGS



SYSTEMS PLAN  
SCALE: 1/8"=1'-0"

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**CONSULTANTS:**

**CIVIL ENGINEER:**  
MCLELLAND ENGINEERS

**LANDSCAPE ARCHITECT:**  
LARSON BURNS SMITH

**STRUCTURAL ENGINEER:**  
CROMWELL ENGINEERS INC.

**MECH., ELEC., PLUMB. ENGINEER:**  
CROMWELL ENGINEERS INC.

**GLOBAL VILLAGE CONSULTANT**  
CAMBRIDGE SEVEN ASSOCIATES

**INTERIOR DESIGNER:**  
POLK STANLEY ROWLAND  
CURZON PORTER ARCHITECTS

**GENERAL CONTRACTOR:**  
CDI CONTRACTORS, INC.

**NOTES:**

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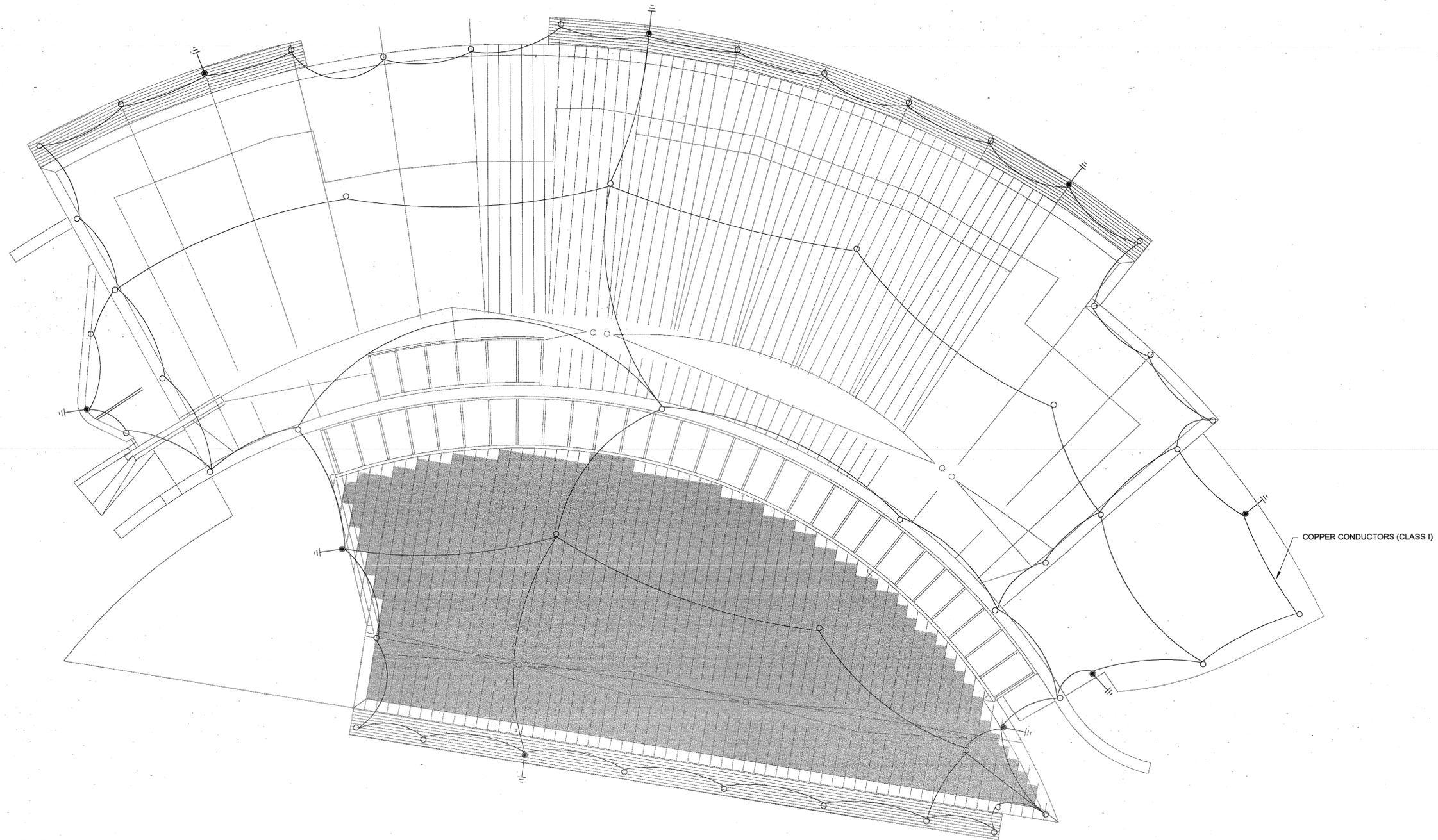
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**PSRCP JOB NUMBER:**  
431E

**CONTENTS:**  
ELECTRICAL  
ROOF PLAN

**SHEET NUMBER:**  
E102-G



**SYMBOL KEY:**

○ CLASS I AIR TERMINAL (MIN 3/8" SOLID COPPER)

—● CLASS I COPPER DOWN CONDUCTOR TO BUILDING GROUND

**GENERAL NOTES:**

1. UTILIZE STEEL COLUMNS FOR DOWN CONDUCTORS WHERE POSSIBLE.
2. ROUTE CONDUCTORS CONCEALED AT PARAPET WALL AND AT WESTERN LOWER ROOF.
3. COORDINATE EXACT LOCATION OF ALL DEVICES IN VIEW WITH ARCHITECTURAL, INCLUDING IN VIEW FROM WINDOWS OF ADJACENT BUILDING.
4. PROVIDE ALL AIR TERMINALS, CONDUCTORS, ACCESSORIES ETC AS REQUIRED TO ACHIEVE UL MASTER LABEL.
5. LOCATIONS OF DEVICES AND ROUTING OF CONDUCTORS IS DIAGRAMATIC. MOUNT AIR TERMINALS AT BEAMS WHERE POSSIBLE AND ROUTE CONDUCTORS NEXT TO ROOF RIBS AND STRUCTURE WHERE POSSIBLE. CROSS SKYLIGHT AT MULLIONS, ETC. AT PARAPET WALL, PROVIDE CONDUIT PAINTED TO MATCH WALL TO CONCEAL CONDUCTOR WHERE POSSIBLE. VERIFY ALL REQUIREMENTS WITH ARCHITECTURAL SYSTEM TO MEET NFPA 780 REQUIREMENTS.



ELECTRICAL ROOF PLAN  
SCALE: 1/8"=1'-0"

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**CONSULTANTS:**

**CIVIL ENGINEER:**  
MCLELLAND ENGINEERS

**LANDSCAPE ARCHITECT:**  
LARSON BURNS SMITH

**STRUCTURAL ENGINEER:**  
CROMWELL ENGINEERS INC.

**MECH., ELEC., PLUMB. ENGINEER:**  
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**GLOBAL VILLAGE CONSULTANT**  
CAMBRIDGE SEVEN ASSOCIATES

**INTERIOR DESIGNER:**  
POLK STANLEY ROWLAND  
CURZON PORTER ARCHITECTS

**GENERAL CONTRACTOR:**  
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**NOTES:**

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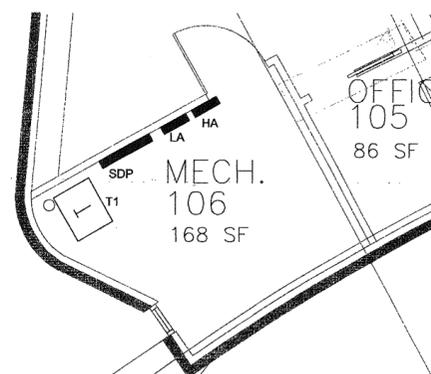
431E

**CONTENTS:**

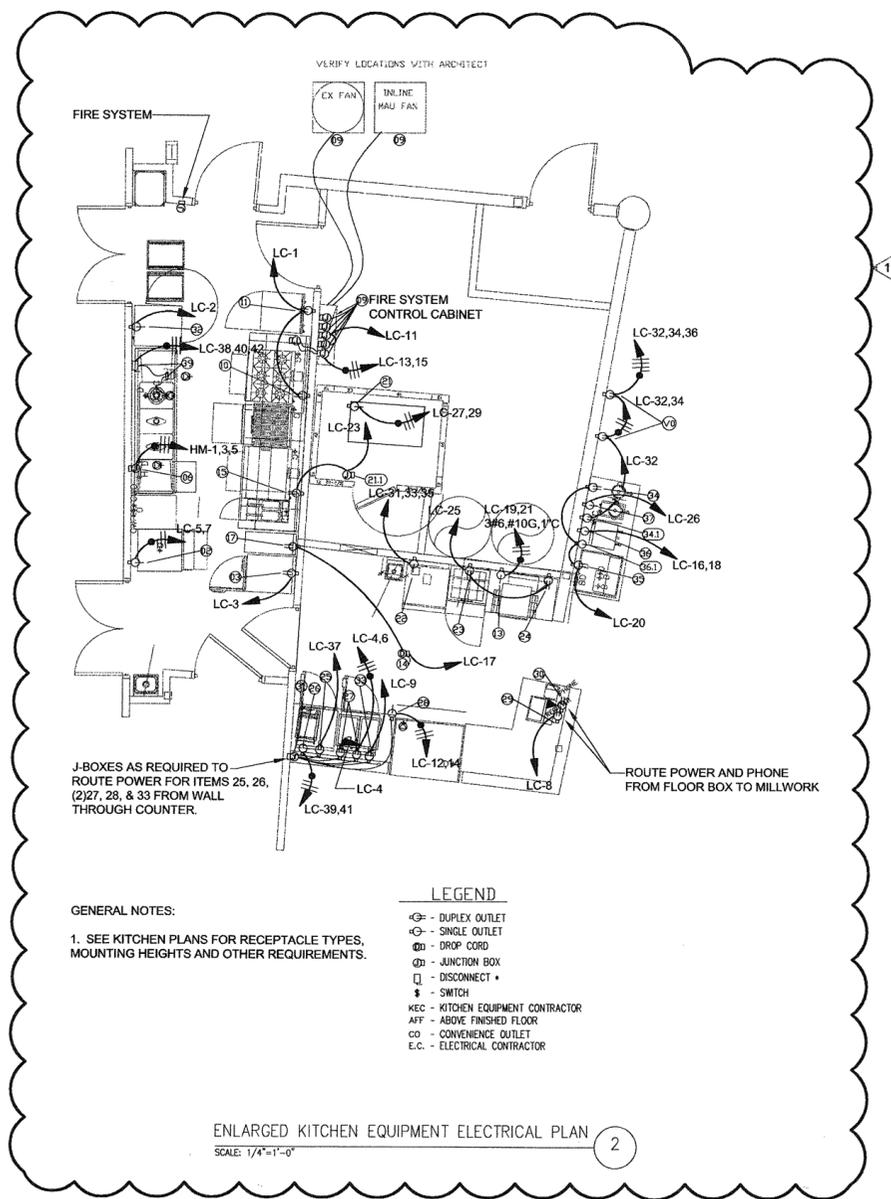
ENLARGED PLAN

**SHEET NUMBER:**

E401



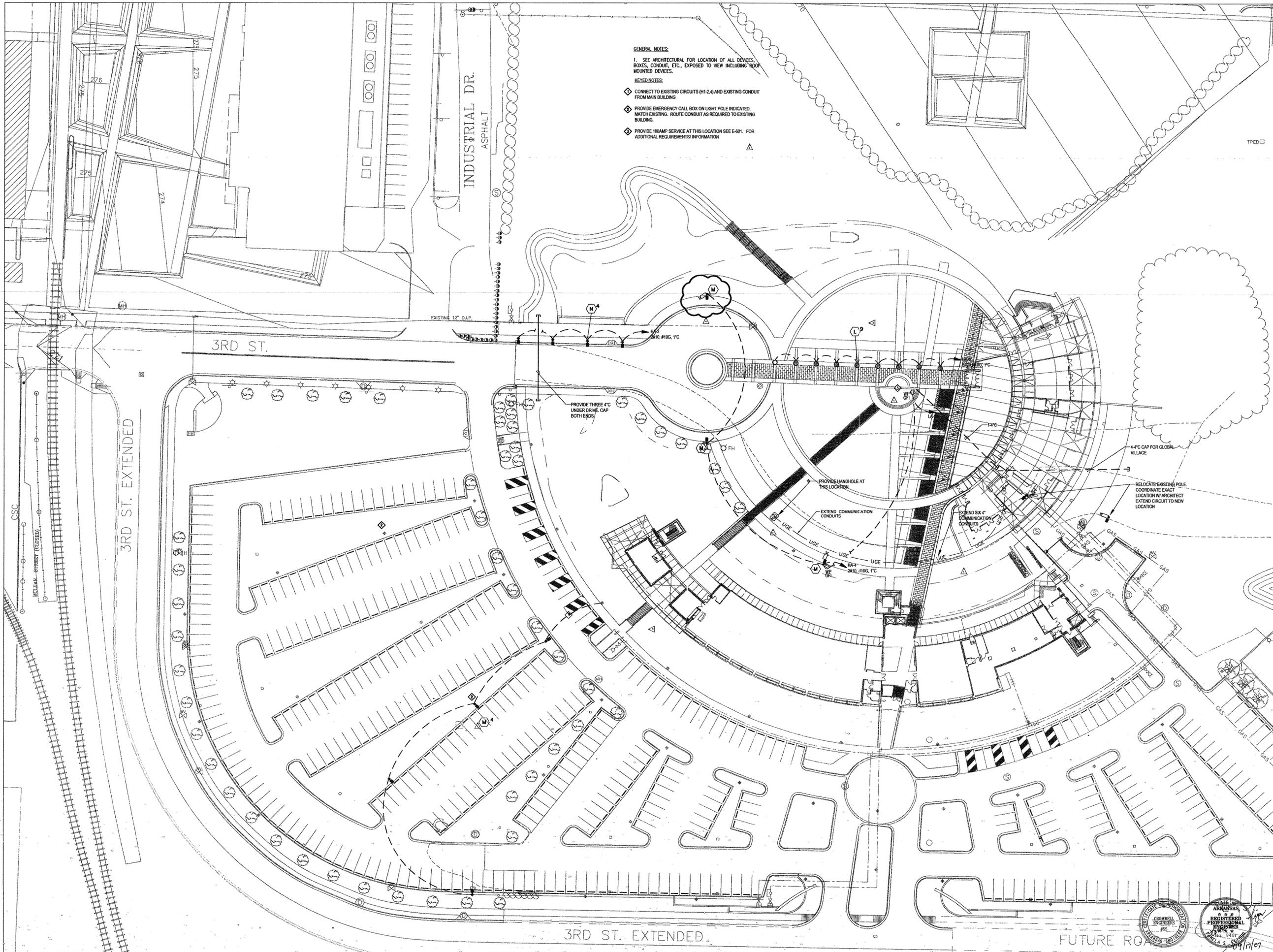
**ENLARGED MECH RM 106 POWER PLAN**  
SCALE: 1/4"=1'-0" 1











**GENERAL NOTES:**  
 1. SEE ARCHITECTURAL FOR LOCATION OF ALL DEVICES, BOXES, CONDUIT, ETC., EXPOSED TO VIEW INCLUDING ROOF MOUNTED DEVICES.

**KEYED NOTES:**

- ◆ CONNECT TO EXISTING CIRCUITS (H1-24) AND EXISTING CONDUIT FROM MAIN BUILDING
- ◆ PROVIDE EMERGENCY CALL BOX ON LIGHT POLE INDICATED. MATCH EXISTING. ROUTE CONDUIT AS REQUIRED TO EXISTING BUILDING.
- ◆ PROVIDE 100AMP SERVICE AT THIS LOCATION SEE E-601. FOR ADDITIONAL REQUIREMENTS/ INFORMATION

**POLK  
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**CONSULTANTS:**

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**LANDSCAPE ARCHITECT:**  
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**STRUCTURAL ENGINEER:**  
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**MECH., ELEC., PLUMB. ENGINEER:**  
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**INTERIOR DESIGNER:**  
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CURZON PORTER ARCHITECTS

**GENERAL CONTRACTOR:**  
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**NOTES:**

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**PSRCP JOB NUMBER:**  
431E

**CONTENTS:**  
ELECTRICAL SITE  
PLAN

**SHEET NUMBER:**  
ES101

