

1 Power Plan
 Scale: 1/4" = 1'-0"

GENERAL NOTES:

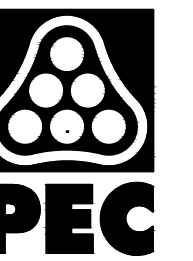
- A. THESE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND INDICATE THE GENERAL EXTENT OF THE WORK. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL PULL BOXES, JUNCTION BOXES AND INCIDENTAL MATERIALS AND LABOR FOR A COMPLETE AND FULLY FUNCTIONAL SYSTEM.
- B. ELECTRICAL CONTRACTOR SHALL DERATE CONDUCTORS AS REQUIRED BY THE N.E.C. WHEN GROUPED IN COMMON RACEWAYS.
- C. COORDINATE THE EXACT LIGHT FIXTURE LOCATIONS WITH THE ARCHITECTURAL DRAWINGS.
- D. ALL WIRES RUN BELOW GRADE IN CONCRETE THAT IS IN DIRECT CONTACT WITH THE EARTH, OR MASONRY THAT IS IN DIRECT CONTACT WITH THE EARTH SHALL BE MET LOCATION LISTED.
- E. ALL RECEPTACLES SHALL BE GFI PROTECTED UNLESS NOTED OTHERWISE. AT CONTRACTOR'S OPTION, GFI BREAKERS OR RECEPTACLES MAY BE USED. RECEPTACLES SERVING CONCESSIONS REFRIGERATION EQUIPMENT, CHEMICAL CONTROLLERS, AND EXHAUST FANS SHALL NOT BE GFI PROTECTED.
- F. WHERE PHONE, DATA OR PHONE/DATA OUTLETS ARE SHOWN ON PLANS, CONTRACTOR SHALL PROVIDE A BACKBOX AND CONDUIT WITH PULL STRING BACK TO AN ACCESSIBLE LOCATION AT TELEPHONE BOARD FOR FUTURE WIRING INSTALLATION BY OWNER.
- G. ANY INTERRUPTION OF EXISTING SERVICES AND/OR EQUIPMENT SHALL BE PERFORMED AT A TIME APPROVED IN ADVANCE BY THE OWNER'S REPRESENTATIVE SO AS NOT TO INTERFERE WITH THE PRESENT BUILDING OPERATION.
- H. REMOVE ALL ELECTRICAL ITEMS ON THE SITE AND IN THE FILTER, PUMP, AND CHEMICAL AREAS NO LONGER REQUIRED AFTER THE RENOVATION. THIS SHALL INCLUDE BUT IS NOT LIMITED TO PUMPS, FILTERS, STARTERS, FEEDERS, AND CONTROLS.

DEMO PLAN NOTES:

- I. REMOVE PUMP MOTOR STARTERS AND ALL ELECTRICAL FEEDERS. PREPARE WIRERAY FOR INSTALLATION OF NEW PUMP FEEDERS.

PLAN NOTES:

1. UV SYSTEM RECEPTACLE. COORDINATE EXACT HEIGHT AND LOCATION WITH THE POOL CONTRACTOR PRIOR TO ROUGH-IN. PROVIDE ENGRAVED COVERPLATE DENOTING FUTURE UV SYSTEM.
2. EXHAUST FAN RECEPTACLE. COORDINATE EXACT HEIGHT AND LOCATION WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
3. EXISTING PH FEEDER RECEPTACLE.
4. EXISTING CHEMICAL CONTROLLER RECEPTACLE.
5. EXISTING LIGHTING CONTRACTOR AND CONTROLS.
6. PROVIDE 6'-0" NEMA PLUG AND COORDINATE FOR EXHAUST FAN.
7. PROVIDE 120V OUTLET FOR FLOW METER. MOUNT TO UNISTRUT APPROXIMATELY 48" AFF. FEEDER BETWEEN UNISTRUT AND ELECTRICAL PANEL SHALL BE BELOW GRADE.
8. PROVIDE ZOELLER SWITCH-MATE PIGGYBACK VARIABLE LEVEL FLOAT SWITCH (VLF5). FLOAT SHALL BE NORMALLY OPEN (NO) OR NORMALLY CLOSED (NC) PER NOTES, BE RATED FOR 13A AT 115V, AND SHALL NOT CONTAIN MERCURY. COORDINATE MOUNTING HEIGHT WITH POOL ENGINEERS. INSTALL PER MANUFACTURER'S INSTRUCTIONS.
9. REFER TO ELECTRICAL RISER DIAGRAM ON SHEET SP-E3 FOR PANEL REPLACEMENT INFORMATION.
10. PROVIDE PUMP COMBINATION MOTOR STARTER AT APPROXIMATELY 48" AFF. ROUTE ALL FEEDERS BELOW GRADE BETWEEN COMBINATION MOTOR STARTER AND PUMP MOTOR. REFER TO COMBINATION MOTOR STARTER SCHEDULE FOR PUMP POWER INFORMATION. FEEDERS SHALL BE SURFACE MOUNTED ALONG VERTICAL SURFACES.
11. COORDINATE REQUIREMENTS FOR RECIRCULATING SUMP PUMP CONTROLS WITH POOL ENGINEER.
12. ROUTE ALL FEEDERS BELOW GRADE BETWEEN VFD AND PUMP MOTOR. REFER TO VFD SCHEDULE FOR PUMP POWER INFORMATION.
13. ROUTE POWER THROUGH VFD PRIOR TO MAKING ELECTRICAL PANEL CONNECTION.
14. REFER TO RISER DIAGRAM ON SHEET SP-E3 FOR CONNECTION INFORMATION.
15. PROVIDE 120V OUTLET FOR VORTEX SMARTFLOW CONTROLLER. COORDINATE LOCATION WITH POOL ENGINEER AND POOL CONTRACTOR PRIOR TO INSTALLATION.
16. ROUTE ALL FEEDERS BELOW GRADE BETWEEN GMS AND PUMP MOTOR. REFER TO GMS SCHEDULE FOR PUMP POWER INFORMATION.
17. PROVIDE (2) #6 WIRES IN 1/2" C. BETWEEN SOLENOID VALVE AND VORTEX SMARTFLOW CONTROLLER. TYPICAL OF (R) SOLENOID VALVES. CONFIRM QUANTITY AND LOCATION OF ALL SOLENOID VALVES WITH POOL ENGINEER. EACH SOLENOID VALVE SHALL HAVE (2) WIRES BETWEEN SOLENOID AND VORTEX CONTROLLER.
18. PROVIDE CONDUIT AND WIRE BETWEEN RAIN AND WIND SENSORS AND VORTEX CONTROLLER. VERIFY CABLING REQUIREMENT WITH VORTEX INSTALLATION MANUAL.



WICHITA, KANSAS
 Spray Ground
 LINWOOD PARK



CASEY JOHN STEINER
LICENSE #19423

Date: 8-14-20 Job #: 1820529

Drawn: CDW Checked: MST

Issue: CONSTRUCTION DOCUMENTS

**ELECTRICAL
PLAN**

SP-E1