

GENERAL POWER NOTES:

- A. EXISTING POWER AND TELECOMMUNICATIONS OUTLETS LABELED "E" ARE TO REMAIN WHERE SHOWN ON PLAN, UNLESS NOTED OTHERWISE (U.N.O.).
- B. RETAIN CIRCUIT CONTINUITY FOR ALL DEVICES AFFECTED BY REMODEL WORK THAT ARE TO REMAIN. WHERE EXISTING RECEPTACLES IN EXTERIOR PERIMETER WALL CONFLICT WITH NEW WALL PARTITIONS, REMOVE DEVICE AND REWORK/REWIRE CIRCUIT FOR CONTINUITY AS REQUIRED.
- C. ELECTRICAL CONTRACTOR SHALL VERIFY THAT ALL EXISTING AND RELOCATED OUTLETS IN PROJECT SCOPE ARE FUNCTIONING. REPLACE DEVICE WITH NEW IF NECESSARY.
- D. NEW WALL MOUNTED RECEPTACLES AND TELECOMMUNICATIONS OUTLETS SHALL BE MOUNTED AT 18" TO CENTERLINE OF BOX ABOVE FINISHED FLOOR (A.F.F.) U.N.O. TO COMPLY WITH ADA REQUIREMENTS.
- E. CONTRACTOR SHALL COORDINATE EXACT DEVICE AND EQUIPMENT LOCATIONS WITH OWNER/CLIENT/ARCHITECT OR EQUIPMENT SUBCONTRACTOR.
- F. RECEPTACLE OUTLETS AND SWITCHES SHALL BE LABELED WITH DESIGNATED PANEL AND CIRCUIT NUMBER ON THE COVER PLATE. JUNCTION BOXES IN CEILING SPACE SHALL HAVE PANEL DESIGNATIONS AND CIRCUIT NUMBERS MARKED ON THE COVER.
- G. ALL 125-VOLT, SINGLE PHASE, 15- AND 20-AMPERE RECEPTACLES INSTALLED IN RESTROOMS, KITCHEN/FOOD PREP AREAS, OUTDOOR, WITHIN SIX FEET OF THE OUTSIDE EDGE OF A SINK, OR IN GARAGES, SERVICE BAYS, AND SIMILAR AREAS WHERE ELECTRICAL HAND TOOLS OR PORTABLE LIGHTING EQUIPMENT ARE TO BE USED SHALL HAVE GROUND-FULT CIRCUIT-INTERRUPTER (GFCI) PROTECTION FOR PERSONNEL PER NATIONAL ELECTRICAL CODE (NEC) ARTICLE 210.8. GFCI DEVICE SHALL BE INSTALLED IN A READILY ACCESSIBLE LOCATION.
- H. MULTIWIRE BRANCH CIRCUITS SHALL BE PROVIDED WITH A SIMULTANEOUS DISCONNECTING MEANS TO DISCONNECT ALL UNGROUNDED CONDUCTORS AT THE POINT OF ORIGIN. DISCONNECTION CAN BE ACCOMPLISHED THROUGH LISTED HANDLE TIES USED WITH SINGLE-POLE CIRCUIT BREAKERS OR MULTI-POLE DEVICES.
- I. GROUNDED AND UNGROUNDED CONDUCTORS OF EACH MULTI-WIRE BRANCH CIRCUIT SHALL BE GROUPED WITH WIRE TIES OR SIMILAR MEANS AT A MINIMUM OF ONE LOCATION WITHIN THE PANELBOARD OR OTHER POINT OF ORIGIN.
- J. WHEN INSTALLED ON THE EDGES OF METAL STUDS OUTLET BOXES ARE REQUIRED TO BE SECURED IN PLACE BY BOX-BACK SUPPORTS PER NEC ARTICLE 314.23.
- K. PROVIDE SUITABLE FLEXIBLE CORD AND CABLE ASSEMBLY APPROVED FOR EXTRA-HARD USAGE FOR SUSPENDED OUTLET(S). INSTALL STRAIN RELIEF CABLE GRIPS AT THE SUPPLY END AND AT DEVICE PER NEC REQUIREMENTS.
- L. ELECTRICAL CONTRACTOR SHALL X-RAY CONCRETE FLOORS AND WALLS PRIOR TO ANY REQUIRED SAW CUTTING OR CORE-DRILLING. COORDINATE SCHEDULING WITH GENERAL CONTRACTOR.
- M. TELECOMMUNICATIONS CABLING SHALL BE INSTALLED BY CLIENT'S VENDOR. ELECTRICAL CONTRACTOR SHALL COORDINATE REQUIRED JUNCTION BOXES AND RACEWAY ROUGH-INS WITH APPROPRIATE VENDOR.
- N. PROVIDE AND INSTALL 3/4" CONDUIT FOR EACH SINGLE TELECOMMUNICATIONS OUTLET CONTAINING (1) TELECOMMUNICATIONS CABLE. PROVIDE AND INSTALL 1" CONDUIT FOR EACH TELECOMMUNICATIONS OUTLET CONTAINING MULTIPLE TELECOMMUNICATIONS CABLES. CONDUITS TO BE STUBBED A MINIMUM 3" INTO ACCESSIBLE CEILING SPACE. BUSHED, INSTALL INSULATION BUSHING AND PULL STRING. COORDINATE ADDITIONAL INSTALLATION REQUIREMENTS WITH TELECOMMUNICATIONS CONTRACTOR.
- O. BACK-TO-BACK OUTLETS IN THE SAME WALL AND THRU-WALL TYPE BOXES ARE NOT PERMITTED. PROVIDE CHASE NIPPLE FOR ALL OUTLETS SHOWN ON OPPOSITE SIDES OF A COMMON WALL TO MINIMIZE SOUND TRANSMISSION.
- P. ELECTRICAL CONTRACTOR SHALL MAINTAIN DEDICATED ELECTRICAL SPACE IN FRONT AND ABOVE ALL ELECTRICAL EQUIPMENT REQUIRING SERVICING WHILE ENERGIZED. THIS INCLUDES CONTROL PANELS AND ELECTRICAL DISCONNECTS FOR HVAC EQUIPMENT ON LOCATED ON ROOFTOPS AND ABOVE OR BELOW CEILING. PENETRATIONS SUCH AS ROOF JACKS FOR ELECTRICAL POWER, LOW VOLTAGE CONTROL POWER, REFRIGERANT LINES, VENT PIPES, ETC. AND INCLUDING GAS LINES, DUCTWORK, ROOF DRAINS, SCREENING WALLS AND OTHER EQUIPMENT OF ANY TYPE, ARE NOT TO INTRUDE INTO DEDICATED ELECTRICAL SPACE. MINIMUM SPACE IN FRONT OF ELECTRIC EQUIPMENT SHALL BE THE WIDTH OF THE EQUIPMENT OR 30 INCHES, WHICHEVER IS GREATER, 36 INCHES OUT FROM ENCLOSURE FRONT AT THE HEIGHT OF 6.5 FEET.
- Q. HEATING, AIR-CONDITIONING, AND REFRIGERATION EQUIPMENT SHALL BE PROVIDED A 125-VOLT, 15- OR 20-AMPERE RATED RECEPTACLE OUTLET, INSTALLED AT AN ACCESSIBLE LOCATION FOR THE SERVICING OF HEATING, AIR-CONDITIONING, AND REFRIGERATION EQUIPMENT. THE RECEPTACLE SHALL BE LOCATED WITHIN 25 FEET OF THE EQUIPMENT ON THE SAME LEVEL AND AND SHALL NOT BE CONNECTED TO THE LOAD SIDE OF THE EQUIPMENT DISCONNECTING MEANS. THE RECEPTACLE OUTLET SHALL BE WEATHERPROOF AND GFCI PROTECTED IF INSTALLED OUTDOORS OR IN A WET LOCATION.
- R. AN INDIVIDUAL DISCONNECTING MEANS SHALL BE PROVIDED LOCATED IN SIGHT FROM EACH MOTOR OR DRIVEN MACHINERY IN ACCORDANCE WITH NEC ARTICLE 430.
- S. MECHANICAL CONTRACTOR SHALL FURNISH STARTERS FOR ALL THREE-PHASE MECHANICAL EQUIPMENT. STARTERS SHALL BE NEMA RATED AND HAVE OVERLOAD PROTECTION WITH MANUAL RESET. ELECTRICAL CONTRACTOR SHALL INSTALL STARTERS EXCEPT WHERE SUPPLIED AS INTEGRAL PART OF MECHANICAL EQUIPMENT. ELECTRICAL CONTRACTOR SHALL PROVIDE SAFETY DISCONNECT SWITCHES FOR MECHANICAL EQUIPMENT NOT SPECIFICALLY INDICATED TO HAVE MECHANICAL CONTRACTOR PROVIDED DISCONNECTS.
- T. IF RACEWAYS ARE INSTALLED EXPOSED TO DIRECT SUNLIGHT ON OR ABOVE ROOFTOPS CORRECTIONS NEED TO BE PROVIDED FOR CONDUCTOR SIZES BASED ON AMBIENT TEMPERATURE CORRECTION FACTORS. TEMPERATURE CORRECTION FACTORS SHOWN IN NEC TABLE 310.15(B)(2)(C) SHALL BE ADDED TO THE OUTDOOR TEMPERATURE TO DETERMINE THE APPLICABLE AMBIENT TEMPERATURE FOR APPLICATION OF THE CORRECTION FACTORS IN TABLE 310.15(B)(2)(A) OR TABLE 310.15(B)(2)(B).

KEYED NOTES:

1. APPROXIMATE LOCATION FOR NEW 400A, 208/120V, 3-PH, 4W, 85VAC AUTOMATIC TRANSFER SWITCH (ATS). PREVIOUS DRAWINGS DENOTE (2) 2" CONDUITS WITH FULL STRINGS ROUTED FROM BUILDING EXTERIOR TO ELECTRICAL CLOSET. FOR FUTURE ATS, WERE SLATED TO BE INSTALLED DURING PREVIOUS PHASE OF CONSTRUCTION. ELECTRICAL CONTRACTOR SHALL REWORK EXISTING FEEDERS AND CONDUITS FEEDING ELECTRICAL PANELS EP1 AND EP2 AND (2) 2" EXISTING CONDUITS FOR NEW GENERATOR AND ATS CONNECTIONS. SEE ELECTRICAL ONE-LINE FOR MORE INFORMATION.
2. PROPOSED LOCATION FOR GENERATOR ALARM PANEL. COORDINATE EXACT MOUNTING HEIGHT, EXACT LOCATION AND ADDITIONAL INSTALLATION REQUIREMENTS WITH ARCHITECT, CLIENT AND MANUFACTURER'S SPECIFICATIONS.
3. CONTRACTOR TO INSTALL PHOTO CONTROLLED SOLAR POWERED SERVICE FLOOD LIGHTS AT GENERATOR. FLOOD LIGHT WILL BE USED FOR GENERATOR SERVICING PURPOSES ONLY AND WILL NOT BE CONNECTED TO BUILDING ELECTRICAL SYSTEM. FLOOD LIGHT MODEL TO BE DESIGNER'S EDGE GRAINGER ITEM #38NH75, MANUFACTURER #L995, UNSPSC# 39111704. COORDINATE EXACT LOCATION(S) AND QUANTITIES WITH ARCHITECT AND CLIENT PRIOR TO BEGINNING ANY WORK. LIGHTING NOT CONNECTED TO ELECTRICAL GRID IS EXEMPT FROM INTERNATIONAL ENERGY CONSERVATION CODE REQUIREMENTS. COORDINATE EXACT LOCATION(S), MOUNTING HEIGHT(S), QUANTITIES AND LIGHT BEAM ANGLE WITH ARCHITECT, CLIENT, AND AHJ PRIOR TO BEGINNING ANY WORK.

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JOB NO: 11247
DRAWN: SM
CHECKED: JF



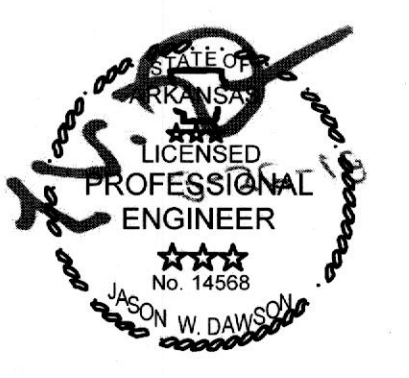
7111 N. FIELDER RD.
ARLINGTON, TX 76012
PH: (817) 635-5666
FAX: (817) 635-5699



1250 WOOD BRANCH PARK DR
DALLAS, TX 75219
(972) 295-7100
REGISTRATION NO. E-3324

Lifeline Project Manager
In Sync
Whiteford, MD 21160
1213 Old Pylesville Road
Office 410-462-8006 Fax 410-452-8046

**Vascular Surgery Center
of Central Arkansas**
11771 Maumelle Blvd
North Little Rock, AR 72113



REVISIONS	
ISSUE FOR CONSTRUCTION	3/26/18
B-ISSUE	DATE
C-ISSUE	DATE
D-ISSUE	DATE
E-ISSUE	DATE
F-ISSUE	DATE

POWER FLOOR PLAN

SHEET NUMBER

E1.02

01 POWER FLOOR PLAN
SCALE: 1/4"=1'-0"