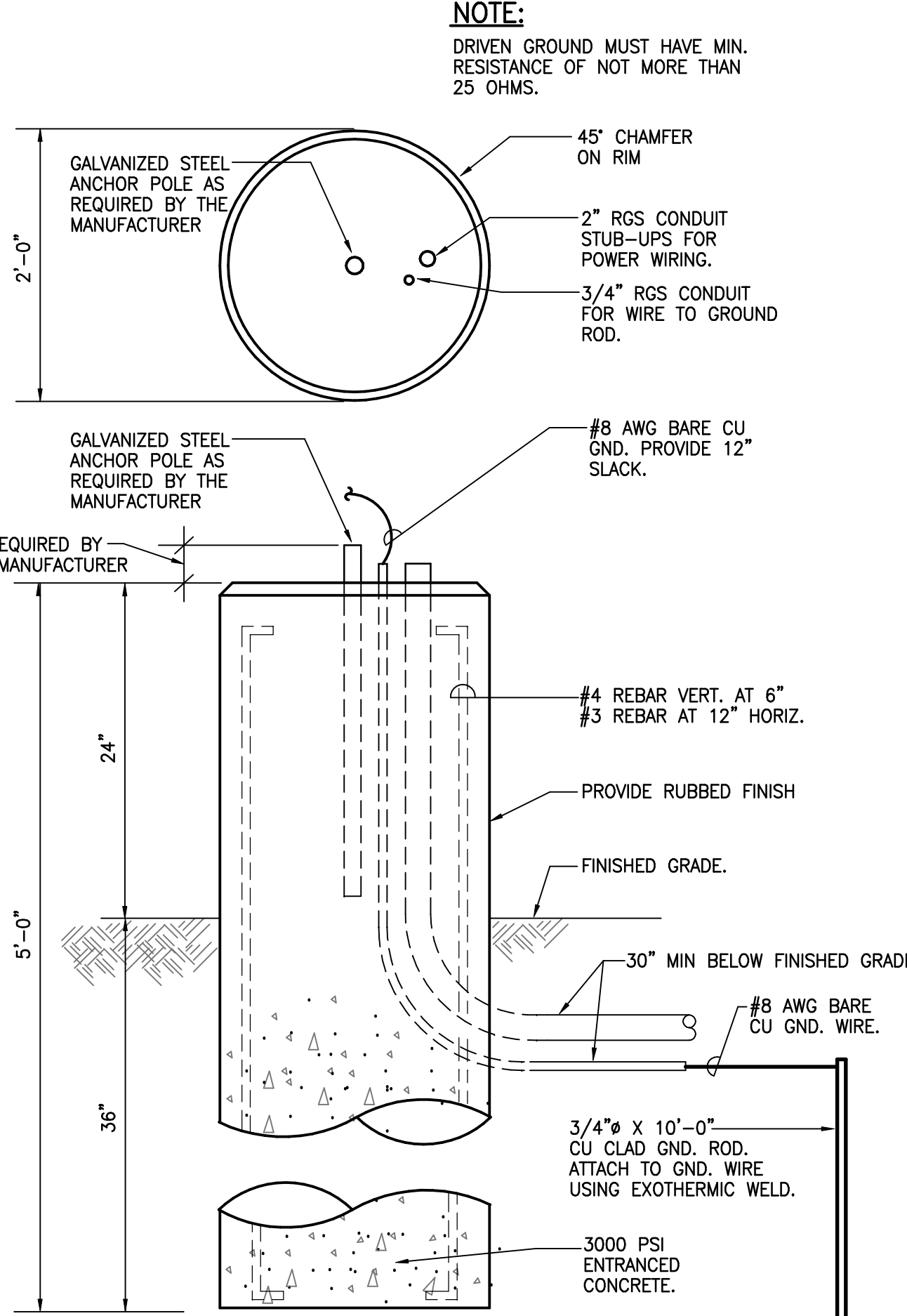


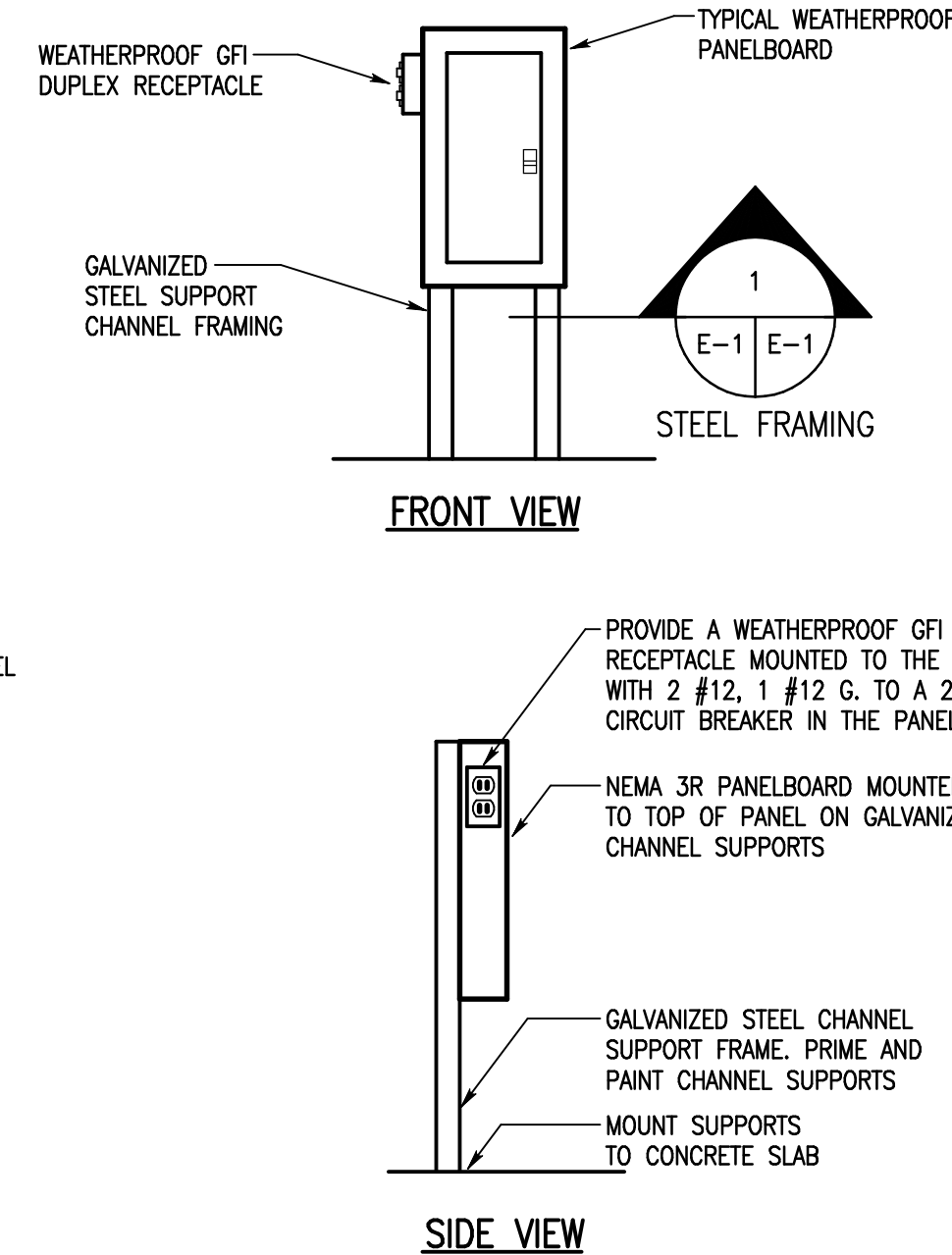
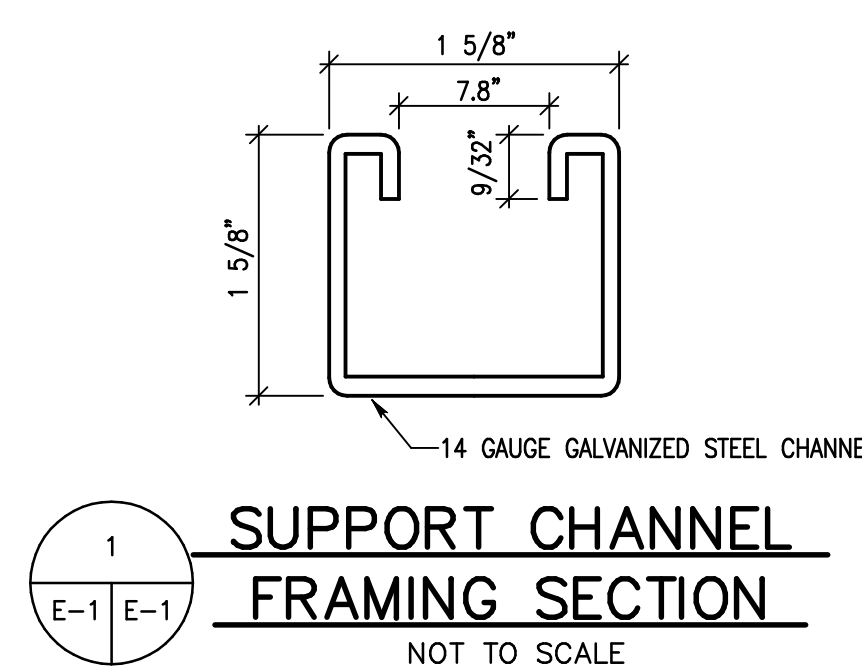
ELECTRICAL SITE PLAN  
SCALE: 1"=30'-0"

UNDERGROUND CONCRETE PULLBOX  
NOT TO SCALE



FLOOD LIGHTING FOUNDATION DETAIL  
NOT TO SCALE

- NOTES:**
1. ALL CIRCUITRY IS TO BE RUN IN CONDUIT AND SHALL BE LIQUID-TIGHT.
  2. ALL EQUIPMENT, DEVICES, COMPONENTS AND HARDWARE ARE TO BE CORROSION RESISTANT.
  3. THE EXISTING FIBER OPTIC DATA & POWER LINE FROM THE SCHOOL'S PAVILION TO THE TELECOMMUNICATIONS ENCLOSURE AT THE EXISTING TOWER ARE TO BE RELOCATED OUT OF THE AREA OF CONSTRUCTION FOR THE NEW TOWER AND RECONNECTED TO THE TELECOMMUNICATIONS SYSTEM AND THE TANK MOUNTED ANTENNAS. ALL WORK FOR THIS IS BY THE SCHOOL AND NOT PART OF THE VA CONTRACT. COORDINATE SCHEDULING AND WORK BY THE SCHOOL WITH THE COTR.



PANELBOARD MOUNTING DETAIL  
NOT TO SCALE

## ELECTRICAL ABBREVIATIONS

|  |   |
|--|---|
| 1/C..... SINGLE CONDUCTOR                | G.C..... GENERAL CONTRACTOR             |
| A..... AMP                               | GEN..... GENERATOR                      |
| AC..... ALTERNATING CURRENT              | GFI..... GROUND FAULT INTERRUPTER       |
| A/C..... AIR CONDITIONER                 | GND, G..... GROUND                      |
| ADD..... ADDITIONAL RIGID STEEL          | GSR..... GROUND SENSING RELAY           |
| AF..... AMP FRAME                        | HGT..... HEIGHT                         |
| AFF..... ABOVE FINISHED FLOOR            | HID..... HIGH INTENSITY DISCHARGE       |
| AHU..... AIR HANDLING UNIT               | HOA..... HAND OFF AUTO                  |
| AIC..... INTERRUPTING CAPACITY (AMPERES) | HP..... HORSEPOWER                      |
| AL..... ALUMINUM                         | HPS..... HIGH PRESSURE SODIUM           |
| APPROX..... APPROXIMATELY                | HZ..... HERTZ                           |
| ARCH..... ARCHITECTURAL                  | IMC..... INTERMEDIATE METAL CONDUIT     |
| ASYM..... ASYMMETRICAL                   | INCAND..... INCANDESCENT                |
| ATC..... AUTOMATIC TEMPERATURE CONTROL   | INSUL..... INSULATION                   |
| ATS..... AUTOMATIC TRANSFER SWITCH       | INV..... INVERT                         |
| AUX..... AUXILIARY                       | JB..... JUNCTION BOX                    |
| AT..... AMP TRIP                         | KCMIL..... THOUSAND CIRCULAR MILLS      |
| AWG..... AMERICAN WIRE GAUGE             | KW..... KILOWATT                        |
| BFG..... BELOW FINISHED GRADE            | KWH..... KILOWATT HOUR                  |
| BSMT..... BASEMENT                       | KVA..... KILOVOLT AMPERE                |
| BKG..... BREAKER                         | KV..... KILOVOLT                        |
| BMS..... BALANCED MAGNETIC SWITCH        | LA..... LIGHTNING ARRESTER              |
| BR..... BRANCH                           | LAB..... LABORATORY                     |
| BRF..... BELOW RAISED FLOOR              | LF..... LINEAR FEET                     |
| C..... CONDUIT                           | LS..... LONG                            |
| CONC..... CONCRETE                       | L..... LIGHT                            |
| CAS..... CARD ACCESS SYSTEM              | LTC..... LIGHTING                       |
| CB..... CIRCUIT BREAKER                  | N/C..... MULTI CONDUCTOR                |
| CBR..... CLOSED CIRCUIT TELEVISION       | MCC..... MOTOR CONTROL CENTER           |
| CD..... CENTIGRADE DEGREE                | MCB..... MAIN CIRCUIT BREAKER           |
| C.E..... CONCRETE ENCASED                | MCP..... MAIN DISTRIBUTION PANEL        |
| CKT..... CIRCUIT                         | MDS..... MAIN DISTRIBUTION SWITCHBOARD  |
| CLG..... CEILING                         | M.H..... MOUNTING HEIGHT                |
| COAX..... COAXIAL                        | MHA..... METAL HALIDE                   |
| CONC..... CONCRETE                       | MIN..... MINIMUM                        |
| CONTR..... CONTRACTOR                    | MLO..... MAIN LUGS ONLY                 |
| CLF..... CURRENT LIMITING FUSES          | MTO..... MOUNTED                        |
| CT..... CURRENT TRANSFORMER              | N..... NEUTRAL                          |
| CU..... COPPER                           | NC..... NORMALLY CLOSED                 |
| DB..... DIRECT BURIAL                    | NEC..... NATIONAL ELECTRIC CODE         |
| DISC..... DISCONNECT                     | NEMA..... NATIONAL ELECTRICAL           |
| DIST..... DISTRIBUTION                   | NFSA..... MANUFACTURERS ASSOCIATION     |
| DIV..... DIVISION                        | NIC..... NOT IN CONTRACT                |
| DM..... DEMAND METER                     | NO..... NORMALLY OPEN                   |
| DWG..... DRAWING                         | NTS..... NOT TO SCALE                   |
| E..... ELEVATION                         | O.C..... ON CENTER                      |
| EA..... EACH                             | P..... POLE                             |
| EB..... ELECTRONIC BALLAST               | PA..... PUBLIC ADDRESS                  |
| E.C..... ELECTRICAL CONTRACTOR           | PB..... PULL BOX                        |
| EF..... EMPTY CONDUIT                    | PCU..... POWER CONDITIONING UNIT        |
| EF..... EXHAUST FAN                      | PH..... PHASE                           |
| EL..... ELEVATION                        | PV..... POST INDICATING VALVE           |
| EMER..... EMERGENCY                      | PNI..... PANEL                          |
| EMT..... ELECTRICAL METALLIC TUBING      | PR..... PRIMARY                         |
| ENC..... ENCLOSURE                       | PS..... PAYSTATION TELEPHONE            |
| EPO..... EMERGENCY POWER OFF             | PSI..... POUNDS PER SQUARE INCH         |
| EPR..... ETHYLENE PROPYLENE RUBBER       | PT..... POTENTIAL TRANSFORMER           |
| EQUIP..... EQUIPMENT                     | PVC..... POLY VINYL CHLORIDE            |
| ETC..... ETCETERA                        | RCPT..... RECEPTACLE                    |
| EWG..... ELECTRIC WATER COOLER           | REC..... RECESSED                       |
| EWI..... ELECTRIC WATER HEATER           | RMS..... ROOM MEANS SQUARE              |
| EX..... EXAMPLE                          | RM..... ROOM                            |
| EXIST..... EXISTING                      | ROIC..... RESIDENT OFFICER IN CHARGE    |
| EXT..... EXTERNAL / EXTERIOR             | REQ'D..... REQUIRED                     |
| F..... FLUSH                             | SCIF..... SENSITIVE COMPARTMENTED       |
| FA..... FIRE ALARM                       | SEC..... SECONDARY                      |
| FD..... FAHRENHEIT DEGREES               | SECT..... SECTION                       |
| FDR..... FEEDER                          | SN..... SOLID NUTRAL                    |
| FIN..... FINISHED                        | SPEC..... SPECIFICATIONS                |
| FIXT..... FIXTURE                        | SUSP..... SUSPENDED                     |
| FL..... FLOOR                            | SW..... SWITCH                          |
| FLA..... FULL LOAD AMPS                  | SWBD..... SWITCHBOARD                   |
| FLEX..... FLEXIBLE                       | SWBK..... SWITCHBANK                    |
| FLUOR..... FLUORESCENT                   | SYM..... SYMMETRICAL                    |
| FR..... FRAME                            | TEL..... TELEPHONE                      |
| FS..... FLOW SWITCH                      | THRU..... THROUGH                       |
| FT..... FEET / FOOT                      | TR..... TRIP                            |
| FU..... FUSE                             | T.S..... TAMPER SWITCH                  |
|  | TYP..... TYPICAL                        |
|  | UFE..... UNIVERSITY FURNISHED EQUIPMENT |
|  | UFC..... UNIVERSITY FURNISHED           |
|  | CONTRACTOR INSTALLED                    |
|  | UON..... UNLESS OTHERWISE NOTED         |
|  | UPS..... UNINTERRUPTIBLE POWER SUPPLY   |
|  | V..... VOLT/VOLTS                       |
|  | VD..... VOLTAGE DROP                    |
|  | VCB..... VACUUM CIRCUIT BREAKER         |
|  | W..... WAIT                             |
|  | W/..... WITH                            |
|  | WHM..... WATT HOUR METER                |
|  | WP..... WEATHERPROOF                    |
|  | XFMR..... TRANSFORMER                   |
|  | XLP..... CROSSLINKED POLYETHYLENE       |

## ELECTRICAL LEGEND

|   |   |
|---|---|
| Q | L.E.D. WALL MOUNTED "JELLY JAR" LIGHTING FIXTURE  |
| s | EXTERIOR FLOOD LIGHTING, SEE FLOOD LIGHTING FOUNDATION DETAIL   |
| s | SINGLE POLE WEATHERPROOF SWITCH - 20 AMP.   |
| s | THREE-WAY WEATHERPROOF SWITCH - 20 AMP.   |
| s | 120/240V BRANCH CIRCUIT PANELBOARD, SEE PANEL SCHEDULES   |
| s | DUPLEX CONVENIENCE RECEPTACLE - 20 AMP.   |
| s | DUPLEX RECEPTACLE WITH GROUND FAULT INTERRUPTER - 20 AMP.   |
| s | DUPLEX RECEPTACLE WITH WEATHERPROOF COVER - 20 AMP.   |
| s | FLUSH OR SURFACE MOUNTED JUNCTION BOX, SIZE PER N.E.C.  |
| s | BRANCH CIRCUIT HOMERUN TO CIRCUIT IN PANELBOARD INDICATED. NUMBER OF SLASHES INDICATES NUMBER OF WIRES. IF NO SLASHES ARE SHOWN, PROVIDE 2 #12, 1 #12G, 3/4" (U.N.O.) |
| s | CONDUIT AND WIRE CONCEALED ABOVE CEILING OR IN WALL   |
| s | CONDUIT AND WIRE CONCEALED BELOW SLAB OR UNDERGROUND  |
| s | CONDUIT DROP  |
| s | CONDUIT RISE  |
| s | CONDUIT WITH CAP  |
| s | GROUND OR GROUND ROD (AS NOTED)   |
| s | LIGHTING FIXTURE TAG  |
| s | DETAIL TAG, TOP NUMBER REPRESENTS DETAIL NUMBER, TAG REPRESENTS THE DRAWING THE TAG APPEARS ON, DET REPRESENTS THE DRAWING THE DETAIL APPEARS ON                      |

|  |          |
|--|----------|
| UPDATED ANTENNA SYSTEM DATA/POWER LOCATION | 05/09/12 |
| Revisions                                  | Date     |

|  |
|--|
| <b>Lamereaux Consulting, LLC</b><br>Building Construction & Site Design Services<br>25 South Washington Avenue (570) 876-5350<br>Jermyn, Pennsylvania 18433<br>Service Disabled Veteran Owned Small Business |
|--|

|   |
|---|
| <b>KBA Engineering, p.c.</b><br>engineers - architects - constructionmanagers<br>25 South Washington Avenue (570) 876-5744<br>Jermyn, Pennsylvania 18433 e-mail: mail@kbapc.net |
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|       |
|-------|
| Seal: |
|-------|

|               |                                  |
|---------------|----------------------------------|
| Drawing Title | ELECTRICAL SITE PLAN AND DETAILS |
|---------------|----------------------------------|

|               |  |
|---------------|--|
| Project Title | LEBANON VA Medical Center CORRECT WATER TOWER DEFICIENCIES |
| Location      | Lebanon, PA  |
| Date          | 04/13/12   |
| Checked       | DK   |
| Drawn         | G.J.D.   |

|                    |                         |
|--------------------|-------------------------|
| Project Number     | VA PROJ. NO. 595-11-115 |
| Building Number(s) |                         |
| Drawing Number     | E-1                     |
| Dwa. 8 of 10       |                         |

