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| | CABLE TERMINATOR/LUG |
| | TRANSFORMER |
| | DISCONNECT SWITCH |
| | FUSIBLE DISCONNECT SWITCH |
| | CIRCUIT BREAKER |
| | THERMAL MAGNETIC CIRCUIT BREAKER |
| | FUSE |
| | TRANSIENT VOLTAGE SURGE SUPPRESSOR OR SURGE PROTECTOR DEVICE |
| | GROUND - GROUND ROD, GROUNDING ELECTRODE, OR AT EARTH POTENTIAL |
| | INDICATING LIGHT |
| | MOTOR |
| | LOAD, MOTOR, # = HORSEPOWER |
| | ELECTRIC UTILITY METER BASE |
| | JUNCTION BOX WITH SPLICE |
| | EQUIPMENT, XXX = DEVICE DESCRIPTION |
| | GROUND BUS OR TERMINAL |
| | NEUTRAL BUS |
| | PANELBOARD WITH MAIN LUGS |
| | PANELBOARD WITH MAIN BREAKER |
| | FUSE PANEL WITH MAIN FUSE PULLOUT |
| | DUPLEX RECEPTACLE 120V SINGLE PHASE GROUNDING TYPE |
| | CONTROL STATION |
| | TRANSFER SWITCH |
| | ENGINE GENERATOR SET |

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| | NORMALLY OPEN (N.O.) CONTACT |
| | NORMALLY CLOSED (N.C.) CONTACT |
| | STARTER COIL, * = STARTER NUMBER |
| | OVERLOAD RELAY CONTACT |
| | CONTROL RELAY, * = CONTROL RELAY NUMBER |
| | RELAY, * = RELAY NUMBER |
| | TOGGLE SWITCH / 2 POSITION SWITCH |
| | 2-POSITION SELECTOR SWITCH |
| | 3-POSITION SELECTOR SWITCH (H-O-A SHOWN) |
| | 2 POLE DISCONNECT SWITCH |
| | 3 POLE DISCONNECT SWITCH |
| | PHOTOCELL |
| | TERMINAL BLOCK, * = TERMINAL NUMBER |
| | DEVICE TERMINAL, * = DEVICE TERMINAL NUMBER |
| | INTERNAL PANEL WIRING |
| | FIELD WIRING |
| | FUSE |
| | GROUND BUS OR TERMINAL |
| | NEUTRAL BUS |
| | GROUND, GROUND ROD |
| | INDUSTRIAL CONTROL RELAY OR LIGHTING CONTACTOR |
| | S1 CUTOUT HANDLE REMOVED |
| | S1 CUTOUT HANDLE INSERTED |
| | N.O. THERMAL SWITCH |
| | N.C. THERMAL SWITCH |

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|--------|---|
| A.F.F. | ABOVE FINISHED FLOOR |
| A. AMP | AMPERES |
| ATS | AUTOMATIC TRANSFER SWITCH |
| AWG | AMERICAN WIRE GAUGE |
| BKR | BREAKER |
| C | CONDUIT |
| CB | CIRCUIT BREAKER |
| CKT | CIRCUIT |
| CR | CONTROL RELAY |
| CU | COPPER |
| DPDT | DOUBLE POLE DOUBLE THROW |
| DPST | DOUBLE POLE SINGLE THROW |
| EM | EMERGENCY |
| EMT | ELECTRICAL METALLIC TUBING |
| ENCL | ENCLOSURE |
| EP | EXPLOSION PROOF |
| ES | EMERGENCY STOP |
| ETM | ELAPSE TIME METER |
| GFCI | GROUND FAULT CIRCUIT INTERRUPTER |
| GFI | GROUND FAULT INTERRUPTER |
| GND | GROUND |
| GRSC | GALVANIZED RIGID STEEL CONDUIT |
| HID | HIGH INTENSITY DISCHARGE |
| HOA | HAND OFF AUTOMATIC |
| HP | HORSEPOWER |
| HPS | HIGH PRESSURE SODIUM |
| J | JUNCTION BOX |
| KVA | KILOVOLT AMPERE(S) |
| KW | KILOWATTS |
| LC | LIGHTING CONTACTOR |
| LTFMC | LIQUID TIGHT FLEXIBLE METAL CONDUIT (UL LISTED) |
| LP | LIGHTING PANEL |
| MAX | MAXIMUM |
| MCB | MAIN CIRCUIT BREAKER |
| MCM | THOUSAND CIRCUULAR MIL |
| MDP | MAIN DISTRIBUTION PANEL |
| MH | METAL HALIDE |
| MIN | MINIMUM |
| MLO | MAIN LUGS ONLY |
| NC | NORMALLY CLOSED |
| NO | NORMALLY OPEN |
| NTS | NOT TO SCALE |
| OHE | OVERHEAD ELECTRIC |
| OL | OVERLOAD |
| PB | PULL BOX |
| PC | PHOTO CELL |
| PDB | POWER DISTRIBUTION BLOCK |
| PNL | PANEL |

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|------|------------------------------------|
| RCPT | RECEPTACLE |
| R | RELAY |
| S | STARTER |
| SPD | SURGE PROTECTION DEVICE |
| SPST | SINGLE POLE SINGLE THROW |
| TVSS | TRANSIENT VOLTAGE SURGE SUPPRESSOR |
| TYP | TYPICAL |
| UG | UNDERGROUND |
| UGE | UNDERGROUND ELECTRIC |
| V | VOLTS |
| W/ | WITH |
| W/O | WITHOUT |
| WP | WEATHER PROOF |
| XFER | TRANSFER |
| XFMR | TRANSFORMER |

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|-------|--------------------------------------|
| CCR | CONSTANT CURRENT REGULATOR |
| MRL | MEDIUM INTENSITY RUNWAY LIGHT |
| MIL | MEDIUM INTENSITY TAXIWAY LIGHT |
| NDB | NON-DIRECTIONAL BEACON |
| PAPI | PRECISION APPROACH PATH INDICATOR |
| PLASI | PULSE LIGHT APPROACH SLOPE INDICATOR |
| REIL | RUNWAY END IDENTIFIER LIGHT |
| VASI | VISUAL APPROACH SLOPE INDICATOR |
| WC | WIND CONE |

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| | CONDUIT (EXPOSED) |
| | CONDUIT OR UNIT DUCT (CONCEALED OR BURIED) |
| | DUCT |
| | BURIED/UNDERGROUND ELECTRIC |
| | UNDERGROUND ELECTRIC |
| | OVERHEAD ELECTRIC |
| | POLE MOUNTED HID FIXTURE |
| | DUPLEX CONVENIENCE RECEPTACLE, 120V, SINGLE PHASE, GROUNDING TYPE, 48" A.F.F. EXCEPT AS NOTED |
| | WALL OR CEILING MTD. JUNCTION BOX. CONFIGURATION VARIES WITH USE |
| | SINGLE THROW DISCONNECT SWITCH |
| | SINGLE THROW, FUSIBLE DISCONNECT SWITCH |
| | ENCLOSED CIRCUIT BREAKER |
| | CONTROL PANEL |
| | MOTOR, ESTIMATED H.P. AS INDICATED. |
| | MOTOR |
| | TRANSFORMER |
| | ELECTRIC UTILITY METER |
| | ENCLOSURE |
| | CIRCUIT BREAKER PANEL-SEE SCHEDULES |
| | GROUND ROD |
| | LONG SLASHES INDICATE NEUTRAL. SHORT SLASHES INDICATE HOT OR SWITCHED LEG. G = SEPARATE GROUND WIRE. |
| | HOME RUN TO PANEL. PNL A INDICATES PANEL. 1,3,5 INDICATES CIRCUIT NUMBERS |
| | SINGLE POLE SWITCH |
| | FRACTIONAL HP STARTER |
| | CONTACTOR |
| | SURFACE MOUNTED OR CHAIN HUNG FLUORESCENT FIXTURE |
| | WALL OR CEILING MTD. INCANDESCENT OR HID FIXTURE. |

NOTES:

- ALL ELECTRICAL EQUIPMENT SHALL BE INSTALLED IN CONFORMANCE WITH NFPA 70 (MOST CURRENT ISSUE IN FORCE), THE RESPECTIVE EQUIPMENT MANUFACTURER'S DIRECTIONS AND ALL OTHER APPLICABLE LOCAL CODES, LAWS, ORDINANCES, AND REQUIREMENTS IN FORCE. ANY INSTALLATIONS WHICH VOID THE U.L. LISTING, ETL LISTING (OR OTHER THIRD PARTY LISTING) AND/OR THE MANUFACTURER'S WARRANTY OF A DEVICE SHALL NOT BE PERMITTED.
- CONTRACTOR SHALL COORDINATE WORK AND ANY POWER OUTAGES WITH THE RESPECTIVE FACILITY OWNER PERSONNEL AND THE AIRPORT MANAGER.
- COLOR CODE PHASE AND NEUTRAL CONDUCTOR INSULATION FOR NO. 6 AWG OR SMALLER. PROVIDE COLORED INSULATION OR COLORED MARKING TAPE FOR PHASE AND NEUTRAL CONDUCTORS FOR NO. 4 AWG AND LARGER. INSULATED GROUND CONDUCTORS SHALL HAVE GREEN COLORED INSULATION FOR ALL CONDUCTOR AWG AND/OR KCMIL. STANDARD COLORS FOR POWER WIRING AND BRANCH CIRCUITS SHALL BE AS FOLLOWS:

120/240 VAC, 1 PHASE, 3 WIRE
 PHASE A BLACK
 PHASE B RED
 NEUTRAL WHITE
 GROUND GREEN

| | |
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| BY | |
| REVISION | |
| DATE | |

MT. STERLING MUNICIPAL AIRPORT
 MT. STERLING, ILLINOIS
 A.I.P. PROJ.: 3-17-01-147-65
 I.L. PROJ.: 63-3323

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|---------------------------|--|
| HEI Project No. 818-04RW0 | |
| Filename E-001.DWG | |
| Scale N/A | |
| Date 03/21/05 | |
| LAYOUT KNL 03/14/05 | |
| DRAWN MV 03/21/05 | |
| REVIEWED CAH 05/17/05 | |



PARALLEL TAXIWAY
 TAXIWAY "B"
 ELECTRICAL LEGEND
 AND ABBREVIATIONS