

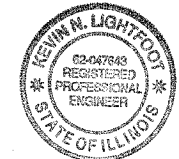
GENERAL LEGEND

SCHEMATIC LEGEND

PLAN	ONE-LINE
SINGLE POLE SWITCH	SURGE PROTECTOR/TVSS DEVICE
TWO POLE SWITCH	ELECTRIC UTILITY SERVICE METER AND BASE
THREE WAY SWITCH	CAPACITOR
FOUR WAY SWITCH	TRANSFORMER
FRACTIONAL H.P. MANUAL STARTER	CABLE TERMINAL OR LUGS
WEATHERPROOF SWITCH	GENERATOR
MOMENTARY CONTACT SINGLE POLE DOUBLE THROW SWITCH	COMBINATION CIRCUIT BREAKER/STARTER WITH OVERLOAD PROTECTION. # = NEMA SIZE NO.
SIMPLEX RECEPTACLE	GROUND - GROUND ROD, CHASSIS, BUS, OR AT EARTH POTENTIAL
EXPLOSION PROOF SIMPLEX RECEPTACLE	MOTOR
DUPLEX RECEPTACLE	EXPLOSION PROOF MOTOR
WEATHERPROOF DUPLEX RECEPTACLE	MOTOR, # = HORSEPOWER
DUPLEX RECEPTACLE W/GROUND FAULT INTERRUPTOR	CIRCUIT BREAKER
QUADRUPLEX RECEPTACLE	ADJUSTABLE MOTOR CIRCUIT PROTECTOR TYPE BREAKER
SPECIAL PURPOSE OUTLET (IDENTIFIED ON PLANS)	THERMAL-MAGNETIC CIRCUIT BREAKER
PLUG	FUSE
JUNCTION BOX (LINE GOES TO BOX)	DISCONNECT SWITCH
EXPLOSION PROOF JUNCTION BOX (LINE GOES TO BOX)	FUSIBLE DISCONNECT SWITCH
GROUND ROD	THERMAL OVERLOAD PROTECTION
DISCONNECT SWITCH. * = AMPERAGE RATING.	EXPLOSION PROOF CONDUIT SEAL-OFF FITTING
POWER POLE OR RISER POLE	TRANSFER SWITCH
LIGHT FIXTURE. # = TYPE	JUNCTION BOX WITH SPLICE
EXPLOSION PROOF LIGHT FIXTURE # = TYPE	GROUND BUS OR LUG
CONDUIT (EXPOSED)	NEUTRAL BUS
CONDUIT (CONCEALED OR BURIED)	PANELBOARD WITH MAIN BREAKER
OVERHEAD ELECTRIC	PANELBOARD WITH MAIN MAIN LUGS
# 12 THWN UNLESS OTHERWISE SPECIFIED. LONG AND SHORT HASH LINES DENOTE NUMBER OF CURRENT CARRYING WIRES. G = SEPARATE GROUND WIRE.	
LIGHTING PANEL	
POWER PANEL	
PANEL OR ENCLOSURE	

- NOTES
- 1.) CONDUIT TO BE SIZED PER NEC, MINIMUM 3/4", EXCEPT WHERE NOTED OTHERWISE.
  - 2.) CONDUCTORS TO BE SIZED PER NEC, MINIMUM #12 AWG EXCEPT WHERE NOTED OTHERWISE.
  - 3.) ALL ELECTRICAL EQUIPMENT SHALL BE INSTALLED IN CONFORMANCE WITH NFPA70 (NEC MOST CURRENT ISSUE), 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. LISTINGS (OR THIRD PARTY LISTING) AND/OR THE MANUFACTURER'S WARRANTY OF A DEVICE SHALL NOT BE PERMITTED.
  - 4.) METAL CONDUIT IN DIRECT CONTACT WITH THE EARTH SHALL BE PVC COATED OR SHALL RECEIVE TAR OR ASPHALT BASED COATINGS, APPLIED FOR CORROSION PROTECTION. APPLY COATINGS PER MANUFACTURER'S DIRECTIONS AND RECOMMENDATIONS FOR THE APPLICATION. SEE SPECIFICATIONS.
  - 5.) ALL ENCLOSURES RATED NEMA 4, 4X SHALL HAVE WATERTIGHT HUBS AT CONDUIT ENTRANCES U.L. LISTED NEMA 4, 4X FOR THE RESPECTIVE ENCLOSURE, TO MAINTAIN THE NEMA 4, 4X RATING.

NORMALLY OPEN (N.O.) CONTACT.	THERMAL SWITCHES
NORMALLY CLOSED (N.C.) CONTACT.	FLOW SWITCHES
STARTER COIL. * = STARTER NUMBER	LIMIT SWITCHES
OVERLOAD RELAY CONTACT	PROXIMITY SWITCHES
CONTROL RELAY. * = CONTROL RELAY NUMBER	HUMIDISTATS
TIME DELAY RELAY. * - DEVICE NUMBER. ** - TIME SETTING.	CONNECTOR, DISCONNECTING DEVICE
INTRINSICALLY SAFE RELAY	TIME CLOCK
CLOSED SWITCH WITH TIME DELAY OPENING	PHOTOCELL
OPEN SWITCH WITH TIME DELAY CLOSING	TERMINAL BLOCK. * = TERMINAL NUMBER
CLOSED SWITCH WITH TIME DELAY CLOSING	DEVICE TERMINAL. * = DEVICE TERMINAL NUMBER
OPEN SWITCH WITH TIME DELAY OPENING	RUN TIME METER, HOUR METER
PERCENTAGE TIMER. * = PERCENTAGE TIMER NUMBER	SWITCH, CLOSED
PILOT LIGHT. (P)=LETTER DENOTING COLOR, E.G. R=RED, G=GREEN, A=AMBER	SWITCH, OPENED
PUSH-TO-TEST PILOT LIGHT. (P)=LETTER DENOTING COLOR, E.G. R=RED, G=GREEN, A=AMBER	PROPOSED INTERNAL PANEL WIRING OR DEVICES
HORN	PROPOSED FIELD WIRING OR DEVICES
SOLENOID VALVE. * = SOLENOID VALVE NUMBER	GROUND - CHASSIS, BUS OR AT EARTH POTENTIAL
3-POSITION SELECTOR SWITCH (H-O-A SHOWN)	
2-POSITION SELECTOR SWITCH	
N.C. (STOP) } PUSHBUTTONS	
N.O. (START) }	
ILLUMINATED PUSH/PULL, 3 POSITION PUSHBUTTON.	
N.C. } PRESSURE SWITCHES	
N.O. }	
N.C. } LEVEL SWITCHES	
N.O. }	



*Kevin N. Lightfoot*  
 DATE: FEB. 2, 2005  
 EXPIRES: NOV. 30, 2005

ELECTRICAL SYMBOLS & LEGEND			
FELL AVENUE BRIDGE REPLACEMENT			
DRAWN	MV 10/07/2004	DESIGNED	KNL 10/07/2004
CHECKED	KNL 10/09/2004	CHECKED	XXX
FILE:	03S2019	DATE:	2-2-05

