ELEC	CTRICAL LEGEND — ONE—LINE DIAGRAM
	CABLE TERMINATOR/LUG
**	TRANSFORMER
	DISCONNECT SWITCH
->-	FUSIBLE DISCONNECT SWITCH
	CIRCUIT BREAKER
~~~	THERMAL MAGNETIC CIRCUIT BREAKER
ш	FUSE
<b>↓</b>	TRANSIENT VOLTAGE SURGE SUPPRESSOR OR SURGE PROTECTOR DEVICE
青	GROUND — GROUND ROD, GROUNDING ELECTRODE, OR AT EARTH POTENTIAL
a	INDICATING LIGHT
(8)	MOTOR
(1)	LOAD, MOTOR, # = HORSEPOWER
0	ELECTRIC UTILITY METER BASE
·	JUNCTION BOX WITH SPLICE
XXX	EQUIPMENT, XXX ≈ DEVICE DESCRIPTION
GND	ground bus or terminal
S/N	NEUTRAL BUS
	Panelboard with main lugs
  -  -  -  -	PANELBOARD WITH MAIN BREAKER
<b>♣</b> □ <b>&gt;</b>	FUSE PANEL WITH MAIN FUSE PULLOUT
	DUPLEX RECEPTACLE 120V SINGLE PHASE GROUNDING TYPE
	CONTROL STATION
N EM	Transfer swiich
	ENGINE GENERATOR SET

	CLEOTOLOM LECEND COLEMATIC
	ELECTRICAL LEGEND — SCHEMATIC
<b>→</b>	NORMALLY OPEN (N.O.) CONTACT
<del>*</del>	NORMALLY CLOSED (N.C.) CONTACT
(\$*) OL	STARTER COIL, * = STARTER NUMBER
- <del>}/-</del>	OVERLOAD RELAY CONTACT
® .	CONTROL RELAY, * = CONTROL RELAY NUMBER
R*	RELAY, * = RELAY NUMBER
<i>&gt;</i> °	TOGGLE SWITCH / 2 POSITION SWITCH
OFF AUTO	2-POSITION SELECTOR SWITCH
HAND T AUTO  XOO  OOX	3-POSITION SELECTOR SWITCH (H-O-A SHOWN)
	2 POLE DISCONNECT SWITCH
111	3 POLE DISCONNECT SWITCH
<b>*</b>	PHOTOCELL
-	TERMINAL BLOCK, • ≈ TERMINAL NUMBER
	DEVICE TERMINAL, * = DEVICE TERMINAL NUMBER
	INTERNAL PANEL WIRING
	FIELD WIRING
	FUSE
GND	ground bus or terminal.
S/N	NEUTRAL BUS
÷	GROUND, GROUND ROD, GROUND BUS
0 0	INDUSTRIAL CONTROL RELAY OR LIGHTING CONTACTOR
	S1 CUTOUT HANDLE REMOVED
	S1 CUTOUT HANDLE INSERTED
92%	N.O. THERMAL SWITCH
्रु	N.C. THERMAL SWITCH
	L-830 SERIES ISOLATION TRANSFORMER

	ELECTRICAL ABBREVIATIONS
A.F.F.	ABOVE FINSHED FLOOR
A, AMP	AMPERES
ATS	AUTOMATIC TRANSFER SWITCH
AWG	AMERICAN WIRE GAUGE
BKR	BREAKER
С	CONDUIT
СВ	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
ETL.	INTERTEK - ELECTRICAL TESTING LABS
	ELAPSE TIME METER
ETM	
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
rc	LIGHTING CONTACTOR
LTFMC	LIQUID TIGHT FLEXIBLE METAL CONDUIT (UL LISTED)
LTG	LIGHTING
LP	LIGHTING PANEL
MAX	MAXIMUM
MCB	MAIN CIRCUIT BREAKER
MCM	THOUSAND CIRCLUAR MIL
MDP	MAIN DISTRIBUTION PANEL
MFR	MANUFACTURER
MH	METAL HALIDE
MIN	MINIMUM
MLO	MAIN LUGS ONLY
NEC	NATIONAL ELECTRICAL CODE (NFPA 70)
NC	NORMALLY CLOSED
NO NO	NORMALLY OPEN
NTS	NOT TO SCALE
OHE	OVERHEAD ELECTRIC

OL

OVERLOAD

	FOTDION ADDDDATIONS (ON THE ITS)
	ECTRICAL ABBREVIATIONS (CONTINUED)
PB	PULL BOX
PC	PHOTO CELL.
PDB	POWER DISTRIBUTION BLOCK
PNL	PANEL
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
UL	UNDERWRITER'S LABORATORIES
٧	VOLTS
W/	WITH
W/0	WITHOUT
WP	WEATHER PROOF
XFER	TRANSFER
XFMR	TRANSFORMER
AIRP	ORT EQUIPMENT/FACILITY ABBREVIATIONS
ASOS	AUTOMATED SURFACE OBSERVING SYSTEM
ATCT	AIR TRAFFIC CONTROL TOWER
AWOS	AUTOMATED WEATHER OBSERVING SYSTEM
CCR	CONSTANT CURRENT REGULATOR
DME	DISTANCE MEASURING EQUIPMENT
FAR	FEDERAL AVIATION REGULATION
GS	GLIDE SLOPE FACILITY
HIRL	HIGH INTENSITY RUNWAY LIGHT

ILS

IM

LIR

MALS

NDB

PLASI

REIL

RVR

VOR WC Instrument landing system

MEDIUM INTENSITY APPROACH LIGHTING SYSTEM MEDIUM INTENSITY APPROACH LIGHTING SYSTEM WITH RUNWAY ALIGNMENT INDICATING LIGHTS MEDIUM INTENSITY RUNWAY LIGHT MEDIUM INTENSITY TAXIWAY LIGHT

INNER MARKER

LOW IMPACT-RESISTANT

NON-DIRECTIONAL BEACON PRECISION APPROACH PATH INDICATOR

RUNWAY END IDENTIFIER LIGHT

RUNWAY VISUAL RANGE

WIND CONE

PULSE LIGHT APPROACH SLOPE INDICATOR RUNWAY ALIGNMENT INDICATING LIGHTS

VISUAL APPROACH DESCENT INDICATOR VISUAL APPROACH SLOPE INDICATOR

VERY HIGH FREQUENCY OMNIDIRECTIONAL RANGE FACILITY

## NOTES:

1. 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 WILL NOT BE PERMITTED.

SD049

- CONTRACTOR SHALL COORDINATE WORK AND ANY POWER OUTAGES WITH THE RESPECTIVE FACILITY OWNER PERSONNEL AND THE AIRPORT DIRECTOR.
- 3. 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 PHASE A PHASE B	VAC.	_1_	PHASE, BLACK RED	3	WIF
NEUTRAL GROUND			WHITE GREEN		

4. SEE RESPECTIVE SITE PLANS FOR SITE LEGEND INFORMATION.

SAINT LOUIS DOWNTOWN AIRPORT

ELECTRICAL LEGEND AND ABBREVIATIONS

HANSON ATCT INTERFACE TO VAULT

A.F.F. A. AMP ATS AWG BKR C	ABOVE FINSHED FLOOR  AMPERES  AUTOMATIC TRANSFER SWITCH
ATS AWG BKR	
AWG BKR C	AUTOMATIC TRANSFER SWITCH
BKR C	
С	AMERICAN WIRE GAUGE
	BREAKER
СВ	CONDUIT
	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
ETL	
	INTERTEK - ELECTRICAL TESTING LABS
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)
LTG	LIGHTING
ሆ	LIGHTING PANEL
MAX	MAXIMUM
MCB	MAIN CIRCUIT BREAKER
MCM	THOUSAND CIRCLUAR MIL
MDP	MAIN DISTRIBUTION PANEL
MFR	MANUFACTURER
MH	METAL HALIDE
MIN	MINIMUM
MLO	MAIN LUGS ONLY
NEC	NATIONAL ELECTRICAL CODE (NFPA 70)
NC	NORMALLY CLOSED
NO	NORMALLY OPEN