ELEC	CTRICAL LEGEND — ONE—LINE DIAGRAM						
─	CABLE TERMINATOR/LUG						
***	TRANSFORMER						
__	DISCONNECT SWITCH						
-\-	FUSIBLE DISCONNECT SWITCH						
	CIRCUIT BREAKER						
<u></u>	THERMAL MAGNETIC CIRCUIT BREAKER						
	FUSE						
↓ ‡	TRANSIENT VOLTAGE SURGE SUPPRESSOR OR SURGE PROTECTOR DEVICE						
#	GROUND — GROUND ROD, GROUNDING ELECTRODE, OR AT EARTH POTENTIAL						
Ø	INDICATING LIGHT						
M	MOTOR						
#	LOAD, MOTOR, # = HORSEPOWER						
	ELECTRIC UTILITY METER BASE						
0	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						
***	FUSE PANEL WITH MAIN FUSE PULLOUT						
Φ	DUPLEX RECEPTACLE 120V SINGLE PHASE GROUNDING TYPE						
	CONTROL STATION						
N EM	TRANSFER SWTICH						
G	ENGINE GENERATOR SET						

	ELECTRICAL LEGEND — SCHEMATIC					
	NORMALLY OPEN (N.O.) CONTACT					
→ #	NORMALLY CLOSED (N.C.) CONTACT					
§*)	STARTER COIL, * = STARTER NUMBER					
OL —)/—	OVERLOAD RELAY CONTACT					
(CR*)	CONTROL RELAY, * = CONTROL RELAY NUMBER					
(R*)	RELAY, * = RELAY NUMBER					
000	TOGGLE SWITCH / 2 POSITION SWITCH					
OFF AUTO O OX	2-POSITION SELECTOR SWITCH					
HAND T AUTO NOO OOO OOO OOO OOO OOO OOO	3-POSITION SELECTOR SWITCH (H-O-A SHOWN)					
	2 POLE DISCONNECT SWITCH					
	3 POLE DISCONNECT SWITCH					
<u>~</u>	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					
179	N.O. THERMAL SWITCH					
~ <u>_</u>	N.C. THERMAL SWITCH					
(W)	L-830 SERIES ISOLATION TRANSFORMER					

	ADOME STANDARD SLOSS						
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						
ЕМ	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						
LP	LIGHTING PANEL						
MAX	MAXIMUM						
MCB	MAIN CIRCUIT BREAKER						
мсм	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 NC	NORMALLY CLOSED						
NO NO	NORMALLY OPEN						
NTS	NOT TO SCALE						
OHE	OVERHEAD ELECTRIC						

0L

OVERLOAD

ELI	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						
ALD D	ODT FOUNDATIONS						

QUIPMENT/FACILITY ABBREVIATIONS						
NATED SURFACE OBSERVING SYSTEM						
RAFFIC CONTROL TOWER						
AUTOMATED WEATHER OBSERVING SYSTEM						
ANT CURRENT REGULATOR						
DISTANCE MEASURING EQUIPMENT						
FEDERAL AVIATION REGULATION						
GLIDE SLOPE FACILITY						
HIGH INTENSITY RUNWAY LIGHT						
JMENT LANDING SYSTEM						
MARKER						
MPACT-RESISTANT						
IZER FACILITY						
M INTENSITY APPROACH LIGHTING SYSTEM						
M INTENSITY APPROACH LIGHTING SYSTEM RUNWAY ALIGNMENT INDICATING LIGHTS						
M INTENSITY RUNWAY LIGHT						
M INTENSITY TAXIWAY LIGHT						
DIRECTIONAL BEACON						
SION APPROACH PATH INDICATOR						
LIGHT APPROACH SLOPE INDICATOR						
AY ALIGNMENT INDICATING LIGHTS						
AY END IDENTIFIER LIGHT						
AY VISUAL RANGE						
APPROACH DESCENT INDICATOR						
. APPROACH SLOPE INDICATOR						
HIGH FREQUENCY OMNIDIRECTIONAL RANGE FACILITY						
CONE						

NOTES:

- 1. ALL ELECTRICAL EQUIPMENT SHALL BE INSTALLED IN CONFORMANCE WITH NFPA 70 - NATIONAL ELECTRICAL CODE (NEC) 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.
- ALL VAULT WORK, POWER OUTAGES, AND/OR SHUT DOWN OF EXISTING SYSTEMS SHALL BE COORDINATED WITH THE AIRPORT MANAGER. ONCE SHUT DOWN, THE CIRCUITS SHALL BE LABELED AS SUCH TO PREVENT ACCIDENTAL ENERGIZING OF THE RESPECTIVE CIRCUITS. ALL PERSONNEL SHALL FOLLOW U.S. DEPARTMENT OF LABOR OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION (OSHA) 29 CFR PART 1910 OCCUPATIONAL SAFETY & HEALTH STANDARDS FOR ELECTRICAL SAFETY AND LOCKOUT/TAGOUT PROCEDURES INCLUDING, BUT NOT LIMITED TO, 29 CFR SECTION 1910.147 THE CONTROL OF HAZARDOUS ENERGY (LOCKOUT/TAGOUT).
- 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 TO COMPLY WITH NEC 250.119. NEUTRAL CONDUCTORS SHALL HAVE WHITE COLORED INSULATION FOR NO. 6 AWG AND SMALLER TO MEET THE REQUIREMENTS OF NEC 200.6. STANDARD COLORS FOR POWER WIRING AND BRANCH CIRCUITS SHALL BE AS FOLLOWS:

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

- 4. SEE RESPECTIVE SITE PLANS FOR SITE LEGEND INFORMATION.
- LIFMC DENOTES LIQUID TIGHT FLEXIBLE METAL CONDUIT UL LISTED, SUNLIGHT RESISTANT, & SUITABLE FOR GROUNDING. LIQUID TIGHT FLEXIBLE METAL CONDUIT AND ASSOCIATED FITTINGS SHALL BE U.L. LISTED TO MEET THE REQUIREMENTS OF NEC 350.6. LIQUID TIGHT FLEXIBLE METAL CONDUIT THAT IS USED FOR FLEXIBILITY (INCLUDING CONNECTIONS TO CCR'S & TRANSFORMERS) SHALL REQUIRE AN EXTERNAL BONDING JUMPER OR INTERNAL EQUIPMENT GROUNDING CONDUCTOR PER NEC 350.60. EXTERNAL BONDING JUMPERS USED WITH CCR INSTALLATIONS SHALL BE #6 AWG COPPER (MINIMUM). DO NOT INSTALL LIFMC THAT IS NOT UL LISTED. CONFIRM LTFMC BEARS THE UL LABEL PRIOR TO INSTALLATION.

REVISION					
DATE					
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EDGAR COUNTY AIRPORT PARIS, ILLINOIS

HANSON

CONSTRUCT CROSSWIND RUNWAY 18-36

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