ELECTRICAL LEGEND — SCHEMATIC		
	NORMALLY OPEN (N.O.) CONTACT	
-#-	NORMALLY CLOSED (N.C.) CONTACT	
©R®	CONTROL RELAY, * = CONTROL RELAY NUMBER	
(RP)	RELAY, * ≈ RELAY NUMBER	
· ~ °	TOGGLE SWITCH / 2 POSITION SWITCH	
OFF AUTO	2-position selector switch	
HAND T AUTO SOO OOX	3-position selector switch (H-O-A Shown)	
7	2 POLE DISCONNECT SWITCH	
144	3 POLE DISCONNECT SWITCH	
-	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	
争	GROUND, GROUND ROD	
0 0	INDUSTRIAL CONTROL RELAY OR LIGHTING CONTACTOR	
CCR	S1 CUTOUT HANDLE REMOVED	
CCR	S1 CUTOUT HANDLE INSERTED	

	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
СКТ	CIRCUIT
CR	CONTROL RELAY
CU	COPPER
DPDT	DOUBLE POLE DOUBLE THROW
DPST	DOUBLE POLE SINGLE THROW
EN	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
ıc	LIGHTING CONTACTOR
LTFMC	LIQUID TIGHT FLEXIBLE METAL CONDUIT (UL LISTED)
ሆ	LIGHTING PANEL
MAX	MAXIMUM
MC8	MAIN CIRCUIT BREAKER
MCM	THOUSAND CIRCLUAR MIL
MDP	MAIN DISTRIBUTION PANEL
MH	METAL HALIDE
MIN	MINIMUM

MLO MAIN LUGS ONLY NORMALLY CLOSED NC NEC NATIONAL ELECTRICAL CODE (NFPA 70) NO NORMALLY OPEN NTS NOT TO SCALE OHE OVERHEAD ELECTRIC OVERLOAD OL. PULL BOX PC PHOTO CELL POWER DISTRIBUTION BLOCK PNL PANEL RCPT RECEPTACLE R RELAY S STARTER SPD SURGE PROTECTION DEVICE SPST SINGLE POLE SINGLE THROW TRANSIENT VOLTAGE SURGE SUPPRESSOR TVSS TYP TYPICAL UG UNDERGROUND UGE UNDERGROUND ELECTRIC VOLTS W/ W/0 WITHOUT WEATHER PROOF XFER RANSFER RANSFORMER

ELECTRICAL ABBREVIATIONS (CONTINUED)

	ELECTRICAL LEGEND — PLANS	
	CONDUIT (EXPOSED)	
	CONDUIT OR UNIT DUCT (CONCEALED OR BURIED)	
	DUCT	
——E——	BURIED/UNDERGROUND ELECTRIC	
UGE	Underground Electric	
ОНЕ	OVERHEAD ELECTRIC	
⊶¤	POLE MOUNTED HID FIXTURE	
. 0	DUPLEX CONVENIENCE RECEPTACLE, 120V, SINGLE PHASE, GROUNDING TYPE, 48" A.F.F. EXCEPT AS NOTED	
юo•	WALL OR CEILING MT [*] D, JUNCTION BOX, CONFIGURATION VARIES WITH USE	
40	SINGLE THROW DISCONNECT SWITCH	
421	SINGLE THROW, FUSIBLE DISCONNECT SWITCH	
469	ENCLOSED CIRCUIT BREAKER	
(B)	CONTROL PANEL	
Ø	MOTOR. ESTIMATED H.P. AS INDICATED.	
<u> </u>	MOTOR	
	TRANSFORMER	
	ELECTRIC UTILITY METER	
	ENCLOSURE	
	CIRCUIT BREAKER PANEL-SEE SCHEDULES	
•	GROUND ROD	

MV054

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 VAC, 1 PHASE, 3 WIRE RED PHASE B WHITE NEUTRAL GROUND

120/208 VAC. 1 PHASE, 3 WIRE PHASE A BLACK RED PHASE B NEUTRAL WHITE

208/120 VAC, 3 PHASE, 4 WIRE PHASE A BLACK RED PHASE B PHASE C BLUE NEUTRAL. WHITE

INFORMATION SHOWN ON THIS SHEET IS FOR BASE BID, BID ALTERNATE NO. 1 & BID ALTERNATE NO. 2

- 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 SHALL NOT BE PERMITTED.
- 2. CONTRACTOR SHALL COORDINATE WORK AND ANY POWER OUTAGES WITH THE RESPECTIVE FACILITY OWNER PERSONNEL AND THE AIRPORT MANAGER.

RUNWAY 15-33 P.F.C. OVERLAY

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HANSON