

POWER & LIGHTING LEGEND

	SINGLE POLE SWITCH		EMERGENCY FLUORESCENT LIGHT FIXTURE. # = TYPE
	TWO POLE SWITCH		EXIT SIGN - SHADED AREA DENOTES VIEWED FACE
	THREE WAY SWITCH		NEUTRAL
	FOUR WAY SWITCH		HOT
	FRACTIONAL H.P. MANUAL STARTER		INDICATES ONE WIRE IN CONDUIT IS AN UNSWITCHED HOT LEG (FOR EMERGENCY LIGHTING)
	MOMENTARY CONTACT SINGLE POLE DOUBLE THROW SWITCH		SOLENOID VALVE
	KEY-OPERATED SWITCH		MOTORIZED VALVE
	SWITCH AND PILOT LAMP		MECHANICAL EQUIPMENT DESIGNATION (SEE SCHEDULES)
	SIMPLEX RECEPTACLE		GROUND ROD
	DUPLEX RECEPTACLE		EXPLOSION PROOF CONDUIT SEAL
	DUPLEX FLOOR OUTLET		
	QUADRUPLEX RECEPTACLE		
	SPECIAL PURPOSE OUTLET (IDENTIFIED ON DRAWINGS)		
	JUNCTION BOX (LINE GOES TO BOX)		
	LIGHT FIXTURE. # = TYPE		

SCHEMATIC LEGEND

	NORMALLY OPEN (N.O.) CONTACT.		N.C. } LEVEL SWITCHES
	NORMALLY CLOSED (N.C.) CONTACT.		N.O. } THERMAL SWITCHES
	STARTER COIL. * = STARTER NUMBER		N.C. } FLOW SWITCHES
	OVERLOAD RELAY CONTACT		N.O. } LIMIT SWITCHES
	CONTROL RELAY. * = CONTROL RELAY NUMBER		N.C. } PROXIMITY SWITCHES
	TIME DELAY RELAY. * -- DEVICE NUMBER. ** -- TIME SETTING.		N.O. } CONNECTOR, DISCONNECTING DEVICE
	CLOSED SWITCH WITH TIME DELAY OPENING		TC TIME CLOCK
	OPEN SWITCH WITH TIME DELAY CLOSING		PHOTOCELL
	CLOSED SWITCH WITH TIME DELAY CLOSING		TERMINAL BLOCK. * = TERMINAL NUMBER
	OPEN SWITCH WITH TIME DELAY OPENING		DEVICE TERMINAL. * = DEVICE TERMINAL NUMBER
	PERCENTAGE TIMER. * = PERCENTAGE TIMER NUMBER		RTM RUN TIME METER, HOUR METER
	PILOT LIGHT. (P)=LETTER DENOTING COLOR, E.G. R=RED, G=GREEN, A=AMBER		EXISTING INTERNAL PANEL WIRING OR DEVICES
	HORN		PROPOSED INTERNAL PANEL WIRING OR DEVICES
	SOLENOID VALVE. * = SOLENOID VALVE NUMBER		EXISTING FIELD WIRING OR DEVICES
	3-POSITION SELECTOR SWITCH (H-O-A SHOWN)		PROPOSED FIELD WIRING OR DEVICES
	2-POSITION SELECTOR SWITCH		
	N.C. (STOP) } PUSHBUTTONS		
	N.O. (START) }		
	N.C. } PRESSURE SWITCHES		
	N.O. }		

ABBREVIATIONS

A/C	AIR CONDITIONER
A/E	ARCHITECT/ENGINEER
A.F.F.	ABOVE FINISHED FLOOR
AC	ABOVE COUNTER
ADA	AMERICAN DISABILITIES ACT
AHU	AIR HANDLING UNIT
ASC	ABOVE SUSPENDED CEILING
AUX	AUXILIARY
AWG	AMERICAN WIRE GAGE
C	CONDUIT
CAT.	CATALOG
CB	CIRCUIT BREAKER
CIR. BRKR.	CIRCUIT BREAKER
CKT	CIRCUIT
CPT	CONTROL POWER TRANSFORMER
CT	CURRENT TRANSFORMER
DPDT	DOUBLE POLE DOUBLE THROW
DPST	DOUBLE POLE SINGLE THROW
E.C.	ELECTRICAL CONTRACTOR
EMT	ELECTRICAL METALLIC TUBING
EP	EXPLOSION PROOF
EWC	ELECTRIC WATER COOLER
EXH	EXHAUST
G	GROUND
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GFI	GROUND FAULT INTERRUPTER
GND	GROUND
GRSC	GALVANIZED RIGID STEEL CONDUIT
HH	HANDHOLE
HOA	HAND OFF AUTO
HP	HORSEPOWER
HZ	HERTZ (CYCLE)
JB	JUNCTION BOX
KVA	KILOVOLT AMPERE
KW	KILOWATT
LC	LIGHTING CONTACTOR
MC	MOMENTARY CONTACT
MCA	MINIMUM CIRCUIT AMPS
MCC	MOTOR CONTROL CENTER
MCP	MOTOR CIRCUIT PROTECTOR
MECH	MECHANICAL
MFR	MANUFACTURER
MH	MANHOLE
MH	MOUNTING HEIGHT
MLO	MAIN LUGS ONLY
NEC	NATIONAL ELECTRIC CODE
NF	NON-FUSED
NIC	NOT IN CONTRACT
NO.	NUMBER
OL	OVERLOAD
OS	OCCUPANCY SENSOR
PB	PULL BOX OR PUSHBUTTON
PLC	PROGRAMMABLE LOGIC CONTROLLER
PNL	PANELBOARD
PF	POWER FACTOR
PT	POTENTIAL TRANSFORMER
RECEPT	RECEPTACLE
RM	ROOM
RTU	REMOTE TERMINAL UNIT
RTU	ROOF TOP UNIT
SPDT	SINGLE POLE DOUBLE THROW
SPST	SINGLE POLE SINGLE THROW
SWGR	SWITCHGEAR
TTB	TELEPHONE TERMINAL BOARD
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
TYP.	TYPICAL
UH	UNIT HEATER
VFD	VARIABLE FREQUENCY DRIVE
WP	WEATHERPROOF
XFMR	TRANSFORMER

GENERAL CONDUIT & DUCT BANK NOTES

- MINIMUM CONDUIT SIZE SHALL BE 3/4" IN DIAMETER. LARGER SIZES SHALL BE INSTALLED WHERE NOTED OR WHERE REQUIRED BY NEC.
- ALL EXTERIOR AND INTERIOR EXPOSED ABOVE GRADE CONDUIT SHALL BE RIGID GALVANIZED STEEL EXCEPT WHERE NOTED OTHERWISE ON DRAWINGS.
- WHERE METAL CONDUIT IS IN DIRECT CONTACT WITH EARTH OR CONCRETE IT SHALL RECEIVE ONE COAT, 8 DRY-MILS, COAL TAR EPOXY, OR EQUAL. INCLUDE ANY PRIMER COATS AS MAY BE REQUIRED. APPLY COATINGS IN CONFORMANCE WITH MFR'S DIRECTIONS AND RECOMMENDATIONS. AT THE CONTRACTOR'S OPTION, PVC COATED GALVANIZED RIGID STEEL CONDUIT MAY BE USED IN LIEU OF TAR COATING BELOW GRADE.
- CONCRETE ENCASED SCHEDULE 40 PVC DUCT BANK SHALL BE INSTALLED FOR ALL BELOW GRADE DUCT BANK, EXCEPT WHERE NOTED ABOVE AND IN THE SPECIFICATIONS. WHERE APPLICABLE, ALL BELOW GRADE CONDUIT UNDER PAVED SURFACES RECEIVING VEHICULAR TRAFFIC SHALL BE REINFORCED. TRANSITION FROM BELOW GRADE SCHEDULE 40 PVC CONDUIT TO RIGID METAL CONDUIT SHALL BE WITHIN CONCRETE ENCASEMENT AS DETAILED ON THE DRAWINGS.
- CONDUIT RUNS EMBEDDED IN STRUCTURE WALLS OR FLOORS MAY BE SCHEDULE 40 PVC OR PVC COATED GALVANIZED RIGID STEEL, EXCEPT WHERE NOTED ON THE DRAWINGS, SPECIFIED OR DIRECTED BY THE OWNERS AUTHORIZED REPRESENTATIVE.
- CONDUIT SIZE AND FILL REQUIREMENTS SHALL COMPLY WITH CHAPTER 9, AND ANNEX C OF LATEST VERSION OF NEC.
- LIQUID-TIGHT FLEXIBLE METAL CONDUIT SHALL BE PROVIDED AS A CONNECTION BETWEEN EACH MOTOR JUNCTION BOX (OR ANY OTHER PIECE OF EQUIPMENT SUBJECT TO MOVEMENT OR VIBRATION) AND BALANCE OF CONDUIT SYSTEM. LIQUID-TIGHT FLEXIBLE METAL CONDUIT SHALL NOT EXCEED 3' IN LENGTH AND SHALL BE OZ-GEDNEY TYPE UAG, OR EQUIVALENT. IN HAZARDOUS (CLASSIFIED) LOCATIONS FLEXIBLE METAL CONDUIT SHALL BE CONSTRUCTED WITH STAINLESS-STEEL BRAIDED EXTERIOR SURFACE.
- ALL MOUNTING HARDWARE AND FASTENERS FOR CONDUITS AND EQUIPMENT SHALL BE STAINLESS STEEL.
- IN ORDER TO MAINTAIN NEC RATINGS AND CLASSIFICATIONS OF CABLES, DO NOT COMBINE CONDUIT CONTENTS OR MODIFY CONDUIT MATERIALS OF CONSTRUCTION UNLESS SPECIFICALLY DIRECTED OR SHOWN OTHERWISE.

ONE-LINE LEGEND

	GROUND - CHASSIS, BUS, OR AT EARTH POTENTIAL		GENERATOR
	MOTOR		AMMETER SWITCH
	(MAGNETIC ONLY)		VOLTMETER SWITCH
	CIRCUIT BREAKER (THERMAL MAGNETIC)		COMBINATION CIRCUIT BREAKER/STARTER WITH OVERLOAD PROTECTION. # = NEMA SIZE NO.
	FUSE		DISCONNECT SWITCH. * = AMPERAGE RATING.
	RF		TRANSFORMER
	CAPACITOR		
	CURRENT TRANSFORMER		
	POTENTIAL TRANSFORMER		
	AMMETER		
	VOLTMETER		

SITE PLAN LEGEND

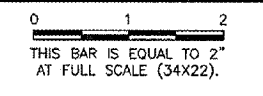
	PAD MOUNTED TRANSFORMER
	POWER POLE
	EXISTING OVERHEAD ELECTRIC
	EXISTING UNDERGROUND ELECTRIC
	PROPOSED UNDERGROUND ELECTRIC
	EXISTING ELECTRIC MANHOLE
	PROPOSED ELECTRIC MANHOLE
	PROPOSED ELECTRIC HANDHOLE
	EXISTING LIGHT FIXTURE
	R-INDICATES TO BE REMOVED
	PROPOSED LIGHT FIXTURE POLE MOUNTED
	ARROWS INDICATES LUMINAIRE ORIENTATION

NOTES

- 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.

REVISIONS

NUMBER	BY	DATE



CHICAGO ROCKFORD INTERNATIONAL AIRPORT
ROCKFORD, ILLINOIS

STANDARD LEGEND
AND ABBREVIATIONS

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Chicago Rockford International Airport

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APPROVED BY:	
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JOB No:	07258-06
ILLINOIS PROJECT: RFD-3787 A.I.P. PROJECT: 3-17-0088-XX	
FINAL SUBMITTAL	
SHEET 37 OF 83 SHEETS	