

# GENERAL NOTES:

SEE SPECIAL PROVISIONS FOR COMPLETE DESCRIPTION OF POWER CABLES IN UNIT DUCT AND IN DUCT BANK.

### ELECTRICAL KEYED NOTES:

- 1 CIRCIUT 1 5/C #8 XLP-USE 600V UG CABLE IN 1.25" UNIT DUCT. (208 VAC CKT FOR LIGHTS, 120 VAC CKT FOR RECEPT.) (ITEM AR800916)
- 2 ELECTRICAL HANDHOLE, SEE DETAIL SHEET.
- CIRCUIT 3 3/C #8 XLP-USE 600V UG CABLE (ITEM AR108608) IN 2" GALVANIZED RIGID STEEL CONDUIT (ITEM AR110212). PROVIDE CLASS I, DIV 1, GROUP D EXPLOSION PROOF CONDUIT SEAL OFF IN TRANSFORMER BASE & IN HANDHOLE.
- CIRCUIT 2 3/C #2 XLP-USE & 2/C #6 XLP-USE, 600V UG CABLE IN 2" UNIT DUCT (208 VAC CKT FOR LIGHTS, 120 VAC CKT FOR RECEPT.) (ITEM ARBO0917).
- 5 SEE LIGHT POLE FOUNDATION DETAIL A
- 6 SEE LIGHT POLE FOUNDATION DETAIL B
- AIM FIXTURES AT NIGHT W/ OWNER REPRESENTATIVE OR ENGINEER PRESENT TO DETERMINE BEST POSSIBLE LIGHT DISTRIBUTION.
- B CONCRETE ENCASED DUCT SEE PLANS
- 9 CIRCUIT 3 3/C #8 XLP-USE 600V UG CABLE IN 1.25" UNIT DUCT. (208 VAC CKT FOR LIGHTS) (ITEM ARBDO918).
- CIRCUIT 4 AND CIRCUIT 5 4/C #8 XLP-USE 600V UG CABLE IN 1.25" UNIT DUCT. (208 VAC, 3 PH CKT FOR GATE OPERATOR) (ITEM AR800922).
- 11 EXISTING UTILITY PAD MOUNT TRANSFORMER (POWER SOURCE).
- [12] CIRCUIT 6 4/C #3/O XHHW & 1/C #8 GND , 600V CABLE IN 3" SCHED 40 PVC FROM SERVICE BKR TO SECONDARY POWER DIST. & CONTROL PANEL. PROVIDE GRSC AT ALL BENDS & WHERE CONDUIT EMERGES FROM GRADE. (ITEM AR800990).

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## HANSON PROFESSIONAL SERVICES INC.

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### JOLIET REGIONAL PORT DISTRICT

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EXTEND TAXIWAY E: CONSTRUCT GA APRON, AVGAS FUELING APRON AND AUTO PARK 100

AIP PROJECT NO. 3-17-0140-B38 IDA PROJECT NO. LOT-3441

		LIGHTING F	IXTURE SCHED	ULE		
FIXT. TYPE	REMARKS	MANUFACTURER & CATALOG NO.		VOLTS	MOUNTING	REMARKS
	SQUARE AREA LIGHT, HEAVY GAUGE FORMED ALUMINUM HOUSING, FULLY GASKETED FOR WEATHER AND BUG TIGHTNESS,	ELECTRIC LIGHTING: BALAST #: LM-40S-CA -MT8-R3-DF	Z-400W HPS ANSI CODE NO. 551WB 930 TOTAL INPUT WATTS		OF A 35' DARK BRONZE TAPERED SQUARE 7 GAUGE STEEL POLE WITH VIBRATION	SUPPLY POLE CAPABLE OF WITHSTANDING A 100 MPH WIND LOAD AT A MINIMUM RATED EPA OF 2.5 TIMES THE EPA OF BOTH FIXTURE AND MOUNTING HARDWARE.
	MOUTNED FLOOD LIGHT, FORMED HEAVY GAUGE ALUMINUM HOUSING.	LIGHTING: APL-22-F -1000-HPS-	3-1000W HPS ANSI CODE NO. 552 3300 TOTAL INPUT WATTS		OF A 90' HIGH MAST POLE AS DETAILED ON THE PLANS AND SPECIFIED.	SUPPLY POLE CAPABLE OF WITHSTANDING A 100 MPH WIND LOAD AT A MINIMUM RATED EPA OF 2.5 TIMES THE EPA OF ALL THREE FIXTURES AND MOUNTING HARDWARE.

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No.	Drawing Issue Description	Date	Ву

Date

MARCH 25, 2005

Sheet Title

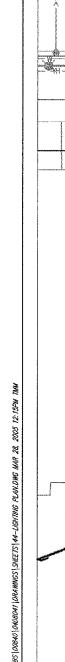
## **ELECTRICAL PLAN**

840-040	08041
Project Numbe	r
RDN	03/09/09
Layout By	Date
RDN	03/09/05
Designed By	Date
CAH	03/09/09
Oxidenced Die	Date

MV ]----

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Sheet No.



F1-C3

- HANGA

GATE-

GATE #1

OPERATOR

\* B

#300

SCALE IN FEET

ROUTE CONDUIT THROUGH TUNNEL, BETWEEN HANDHOLE & FIXTURE

-see note 3 for

HANDHOLE, STA 209+32:57, 129.22' LT

CIRCUIT 3 NORTH OF

HANGAR -

SERVICE --BREAKER

CE QUE CE QUE CE

F2-C1

GATE OPERATOR GATE #2

F2-C2

-4

#500

SECONDARY POWER-

DIST. & CONTROL PANEL, SEE DETAIL

SHEETS

STA. 212+05; 194.0' RT

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