



**ELECTRICAL ONE LINE DIAGRAM FOR
 RUNWAY 6 & RUNWAY 36 WIND CONES**

ELECTRICAL NOTES

DE066

1. ALL ELECTRICAL EQUIPMENT SHALL BE INSTALLED IN CONFORMANCE WITH NFPA70 (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 ANY POWER OUTAGES TO EXISTING EQUIPMENT WITH THE AIRPORT DIRECTOR, AND THE RESIDENT ENGINEER.
3. ALL EQUIPMENT NOT LABELED AS EXISTING IS NEW.
4. ALL CONDUCTORS/WIRING SHALL BE COPPER.
5. ELECTRICAL POWER & WIND CONE CONTROL WORK FOR RUNWAY 6 & RUNWAY 36 WIND CONES SHALL BE PAID FOR UNDER AS800581 "ELECTRIC POWER FOR RWY 6 & RWY 36 WIND CONES" PER LUMP SUM.
6. WIND CONES SHALL BE PAID FOR UNDER AS107408.
7. BOOST TRANSFORMER FOR WIND CONE WITH A LOAD OF APPROXIMATELY 3.5 AMPS SHALL BE 250 VA 120 VAC TO 132 VAC UNIT, SQUARE D CAT. NO. 250S43B OR APPROVED EQUAL. BOOST TRANSFORMER FOR A WIND CONE WITH A LOAD OF APPROXIMATELY 7 AMPS SHALL BE 250 VA 120 VAC, 136 VAC UNIT, SQUARE D CAT. NO. 250S46B OR APPROVED UQUAL.
8. CABLE IN UNIT DUCT SHALL HAVE COLOR CODED INSULATION AS FOLLOWS:

120 VAC CIRCUITS

PHASE A	BLACK
PHASE B	RED OR BLACK WITH RED TAPE
NEUTRAL	WHITE
GROUND	GREEN

REVISION	DATE	BY

DECATUR, ILLINOIS

IL PROJ.: DEC-3588
 A.I.P. PROJ.: 3-17-00

FILE NO. B02-061X.D	0800
FILENAME E-149.DWG	
SCALE NONE	
DATE 03/31/06	
LAYOUT KNL	04/22/05
DRAWN MV	04/25/05
REVIEWED LDP	03/30/06

HANSON

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**TAXIWAY "C"
 RECONSTRUCTION**

ELECTRICAL ONE LINE
 DIAGRAM FOR RUNWAY 6
 & RUNWAY 36 WIND CONES