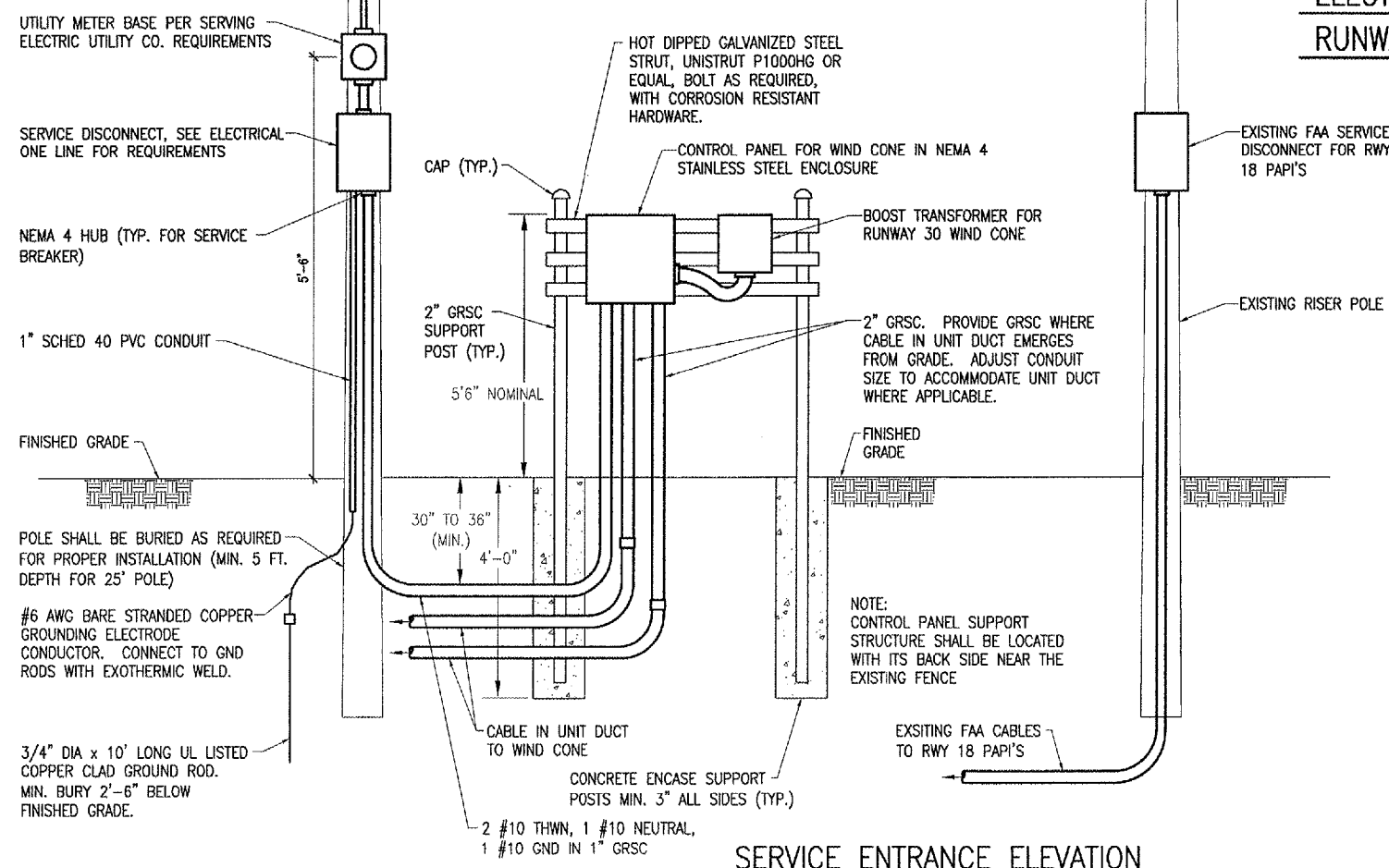


**ELECTRICAL ONE LINE DIAGRAM FOR  
RUNWAY 12 & RUNWAY 18 WIND CONES**



**SERVICE ENTRANCE ELEVATION**  
NOT TO SCALE

**ELECTRICAL NOTES**

- 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.
- CONTRACTOR SHALL COORDINATE ANY POWER OUTAGES TO EXISTING EQUIPMENT WITH THE AIRPORT DIRECTOR, AND THE RESIDENT ENGINEER.
- CONTRACTOR SHALL COORDINATE ELECTRIC SERVICE WORK WITH THE SERVING ELECTRIC UTILITY (AMEREN IP, 2460 NORTH JASPER STREET, DECATUR, IL 62526, ATTN. MS. TAMMY HAUGERUD, K-30, PHONE: 217-412-6455) & THE AIRPORT DIRECTOR. NOTE THE NEW SERVICES FOR THE WINDCONES ARE TO BE OBTAINED FROM EXISTING UTILITY TRANSFORMERS THAT SERVE FAA FACILITIES AND EQUIPMENT. ARRANGE WITH THE AIRPORT DIRECTOR TO CONTACT THE RESPECTIVE FAA PERSONNEL AND NOTIFY THEM OF ANY SCHEDULED POWER OUTAGES.
- ALL EQUIPMENT NOT LABELED AS EXISTING IS NEW.
- PROVIDE NEMA 4 HUBS FOR ALL CONDUIT ENTRIES INTO NEMA 4 RATED ENCLOSURES.
- ALL CONDUCTORS/WIRING SHALL BE COPPER.
- ELECTRIC SERVICE & WIND CONE CONTROL WORK SHALL BE PAID FOR UNDER THE FOLLOWING:  
AS800579 "ELECTRICAL SERVICE FOR RWY 12 & RWY 18 WIND CONES" PER LUMP SUM
- WIND CONES SHALL BE PAID FOR UNDER AS107408.
- 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

BY	
REVISION	
DATE	

**DECATUR AIRPORT**  
DECATUR, ILLINOIS

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

REL. Project No.	802-06TXVD_0800
File Name	E-147.DWG
Scale	NONE
Date	03/31/06
LAYOUT	KNL 04/22/05
DRAWN	MV 04/25/05
REVIEWED	LDP 03/30/06

**HANSON**  
Hanson Professional Services Inc.  
1055 S. Main Street  
Springfield, Illinois 62703-2886  
Offices Nationwide

**TAXIWAY "C" RECONSTRUCTION**  
ELECTRICAL ONE LINE DIAGRAM FOR RUNWAY 12 & RUNWAY 18 WIND CONES

APR 28, 2006 11:32 AM DWG  
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