

LIGHTING NOTES

1. IN ALL AREAS WHERE THERE IS A CONGESTION OF BURIED CABLE OR WHERE THE PROPOSED DUCT CROSSES AN EXISTING CABLE, THE CONTRACTOR WILL BE REQUIRED TO HAND DIG THE PROPOSED DUCT INTO PLACE.
2. THE PROPOSED APRON LIGHTS SHALL BE CONSTRUCTED AT THE LOCATIONS SHOWN ON THE PROPOSED ELECTRICAL PLAN AND IN ACCORDANCE WITH THE SPECIAL PROVISION SPECIFICATIONS.
3. FOR ALTERNATE FIXTURES TO BE CONSIDERED PROVIDE SCALED PLAN VIEW TYPE POINT BY POINT FOOT CANDLE CALCULATIONS INDICATING THE FOLLOWING VARIABLES:
AVERAGE FOOT CANDLES
MAXIMUM/MINIMUM FOOT CANDLES
AVERAGE/MINIMUM FOOT CANDLES
ALSO PROVIDE FULL WRITTEN SPECIFICATION AND WARRANTY INFORMATION.
4. AIM FIXTURES WITH OWNER & RESIDENT ENGINEER PRESENT TO ACHIEVE BEST LIGHTING LAYOUT.
5. PROVIDE CERTIFICATION THAT POLE IS MANUFACTURED FROM 100% DOMESTIC STEEL. PROVIDE CERTIFICATION THAT REBAR IS MANUFACTURED FROM 100% DOMESTIC STEEL.
6. USE OF TEMPORARY STEEL CASING MAY BE NECESSARY TO SEAL OUT GROUND WATER AND SLOUGHING SOILS FROM SHAFT EXCAVATION.
7. APRON LIGHT POLE WITH 2 FIXTURES WILL BE PAID FOR UNDER ITEM AR106502 APRON LIGHT POLE W/ DOUBLE FIXTURE PER EACH.

WIDELITE AKRA II FLOOD LIGHT, WITH 1000 WATT METAL HALIDE PULSE-START LAMPS. MODEL #A2P-1000-D-QV-M-DB OR APPROVED EQUAL, TYPICAL OF TWO FIXTURES PER POLE

VALMONT BULLHORN TWO TENON 180° ORIENTATION BRACKET ARM, MODEL #MD102-030-01, SUITABLE FOR 4" POLE TENON, OR EQUAL. MUST HAVE A 4 IN. FITTER. CONFIRM MODEL NO. WITH MFR, AND COORDINATE TO BE COMPATIBLE WITH LIGHT FIXTURES, AND POLE.

ANCHOR BOLTS NOTES:

1. ANCHOR SYSTEMS SHALL BE SUPPLIED BY THE POLE MANUFACTURER.
2. REQ'D. ANCHOR BOLT PROJECTION SHALL BE VERIFIED BY CONTRACTOR PRIOR TO PLACING.
3. COORDINATE ANCHOR BOLTS INTO FOUNDATION FOR PROPER ORIENTATION OF LIGHT FIXTURES.

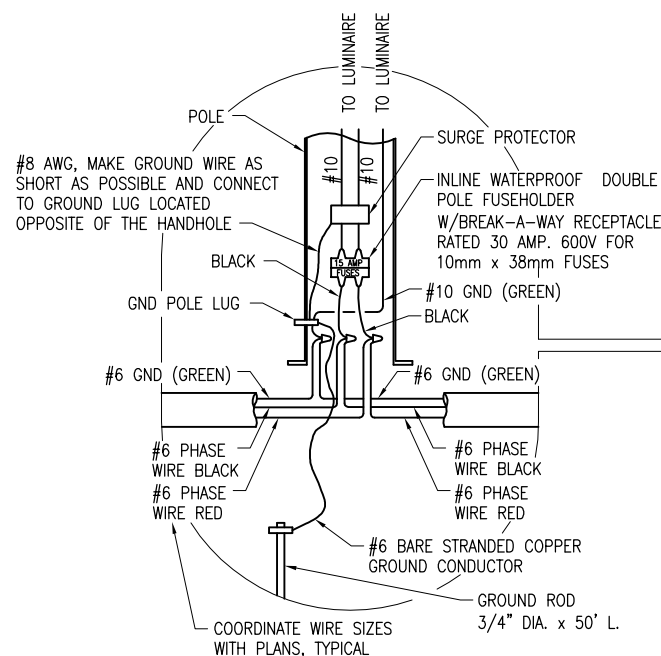
WIRE IN POLE SHALL BE 3-1/C #10 THWN OR USE STRANDED COPPER TO EACH FIXTURE.

POLE SHALL BE 45' ROUND TAPERED STEEL, MINIMUM 7 GAUGE WALL THICKNESS, WITH A MINIMUM EPA RATING OF 22.3 OR 2.5 TIMES THE TOTAL FIXTURE AREA, WHICHEVER IS GREATER, (VERIFY TENON MOUNTING REQUIREMENTS AND INCLUDE APPROPRIATE HARDWARE FOR MOUNTING THE RESPECTIVE LUMINAIRES) AT 100 MPH WIND SPEED WITH A 1.3 GUST FACTOR, AND DARK BRONZE FINISH, VALMONT DS210-ED0E450-P4-DB WITH VIBRATION DAMPENER, OR APPROVED EQUAL.

HANDHOLE W/ COVER SCREWED INTO POSITION

INSTALL & LEVEL BASE USING DOUBLE NUTTING AND GROUT

SEE LIGHT POLE FOUNDATION DETAIL THIS SHEET



POLE WIRING DETAIL

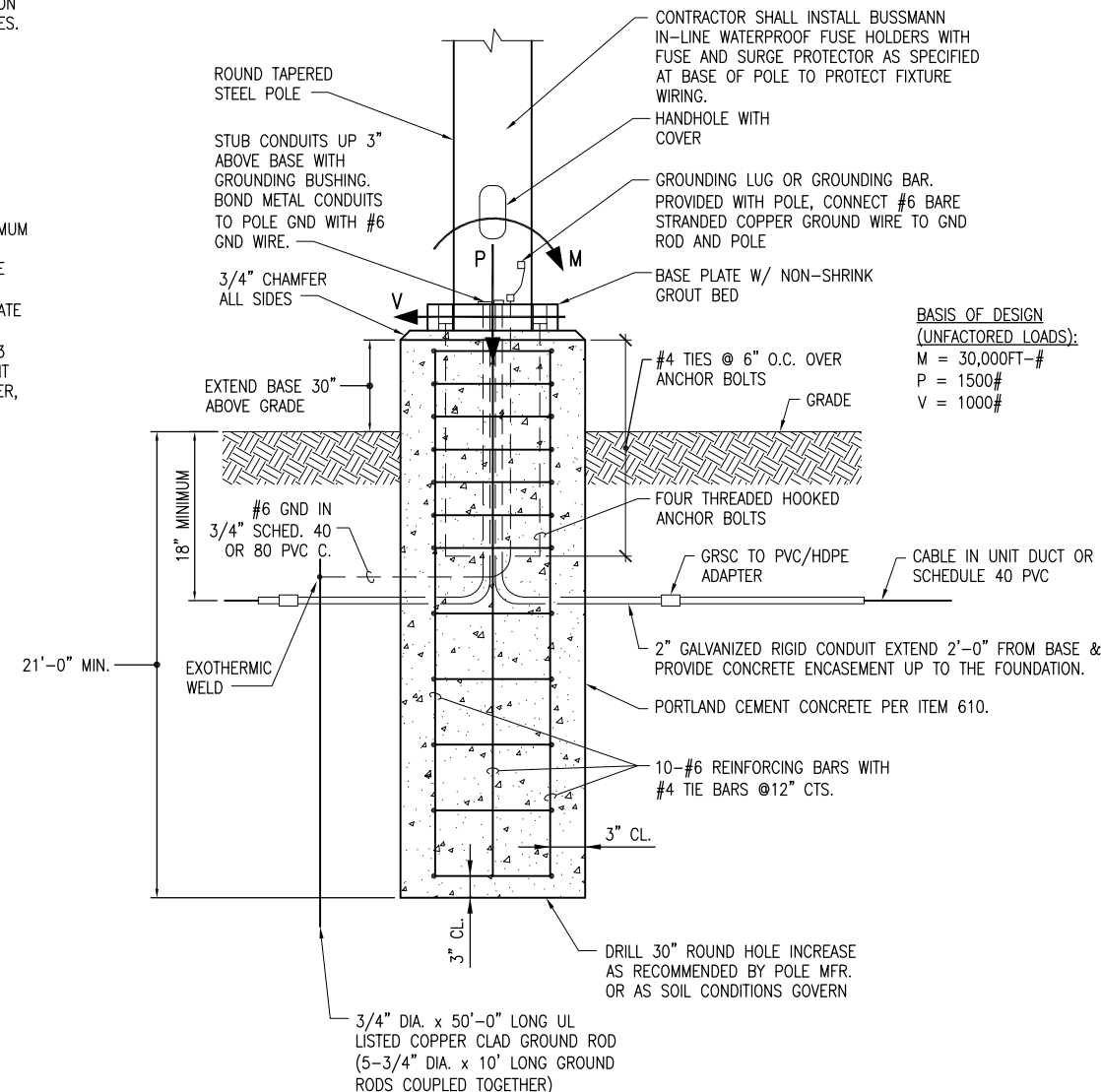
SCALE: NONE

NOTE: FUSES SHALL BE SIZED FOR RESPECTIVE LIGHT FIXTURES, IN ACCORDANCE WITH THE LIGHT FIXTURE MFR RECOMMENDATIONS.



APRON LIGHT POLE W/ DOUBLE FIXTURE DETAIL

SCALE: NONE



LIGHT POLE FOUNDATION DETAIL

SCALE: NONE

DATE	REVISION	BY

TRI-TOWNSHIP AIRPORT
SAVANNA, CARROLL COUNTY
ILLINOIS

Hanson Project No. 09A0033D_0800	File Name E-501.DWG	LAYOUT VPT/KNL	08/11/09
Scale NONE	Date 08/14/09	DRAWN MV	08/11/09
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HANSON
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REPLACE MITL SYS.,
INSTALL APRON LITS
APRON LIGHTING
DETAILS