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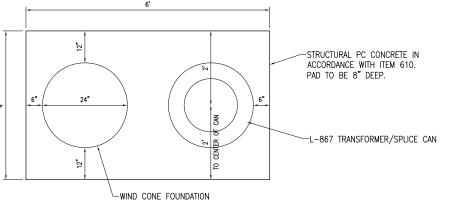
REPLACE VAULT, AIRFIELD LIGHTING AND GUIDANCE SIGNS L-807 WIND CONE ELEVATION DETAIL

-L-810 RED FAA APPROVED OBSTRUCTION LIGHT -LIGHTING ASSEMBLY. NOTE: LIGHTING ASSEMBLIES WILL VARY BETWEEN DIFFERENT WIND CONE MANUFACTURERS. -RIGID FRAMEWORK -12'x36" ORANGE WIND SOCK. SEE SPECIAL PROVISIONS ITEM 107. HEAT SHRINKABLE TUBING WITH INTERNAL ADHESIVE DETAIL "B" -16' HINGED POLE WITH (NOT TO SCALE) EXTERNAL GROUND LUG -SECONDARY LEAD WITH CONNECTOR -SEE SPLICE CAN DETAIL -L-823 CONNECTOR FINISHED GRADE 3/4" SCHED 40 PVC SEE DETAIL "B" #4 AWG BARE STRANDED -ON THIS SHEET COPPER. CONNECT TO GND LUG AT BASE OF 1/C #8 L-824, TYPE C 5000V CABLES IN UNIT DUCT TO RESPECTIVE AIRFIELD LIGHTING EXOTHERMIC WELD SERIES CIRCUIT -L-830 SERIES ISOLATION 3/4" X 10'-0" GROUND-TRANSFORMER SIZED FOR ROD UL LISTED COPPER RESPECTIVE WIND CONE LAMPS. CLAD, MINIMUM BURY 30" ackslash 2" to 3" conduit reducer fitting TO TOP OF ROD WHERE APPLICABLE #4 AWG BARE STRANDED 2" GRSC (ADJUST SIZE COPPER, BOND L-867 TO ACCOMMODATE WIND SPLICE CAN TO GND ROD CONE POLE WHERE NECESSARY) SEE FOUNDATION DETAIL -

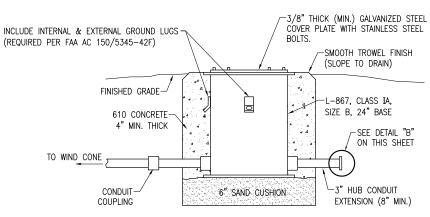
NOTES

- WIND CONE SHALL INCLUDE CONSTANT-BRIGHTNESS SERIES CIRCUIT POWER ADAPTER.
- THE RUNWAY LIGHTING SERIES CIRCUIT IS POWERED BY AN L-828 CLASS 1 6.6 AMP OUTPUT CURRENT, STYLE 1-3 BRIGHTNESS STEPS CONSTANT CURRENT REGULATOR. COORDINATE WITH THE RESPECTIVE WIND CONE MANUFACTURER TO PROVIDE A COMPATIBLE AND PROPERLY SIZED SERIES ISOLATION TRANSFORMER.
- THE EXISTING CONSTANT CURRENT REGULATOR POWERING THE SERIES CIRCUIT FOR THE WIND CONE HAS BEEN SIZED FOR THE RESPECTIVE RUNWAY LIGHTING LOADS AND A WIND CONE THAT HAS A LOAD OF LESS THAN 200VA AND DOES NOT REQUIRE A SERIES ISOLATION TRANSFORMER LARGER THAN A 300 WATT RATING. IN THE EVENT THAT A WIND CONE IS PROPOSED THAT EXCEEDS THIS RATING, THE CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT THE RESPECTIVE CONSTANT CURRENT REGULATOR IS PROPERLY SIZED FOR THE TOTAL SERIES CIRCUIT LOAD. WHERE A WIND CONE IS PROPOSED THAT REQUIRES LOADS THAT EXCEED THE RATING OF THE RESPECTIVE CONSTANT CURRENT REGULATOR, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ADJUSTMENTS INCLUDING PROVIDING A LARGER CONSTANT CURRENT REGULATOR AND ALL ASSOCIATED CIRCUIT BREAKERS, CONDUITS, WIRING AND VAULT WORK AS APPLICABLE TO ACCOMMODATE THE RESPECTIVE SERIES CIRCUIT LOAD WITH THE WIND CONE.
- 4. L-807 OR L-807(L) WIND CONE WILL BE PAID FOR UNDER ITEM AR107812 L-807 WC-12' INTERNALLY LIT PER EACH. SPLICE CANS FOR WIND CONE SERIES CIRCUIT TRANSFORMER WILL BE INCIDENTAL TO THE RESPECTIVE WIND CONE PAY
- 5. REBAR SHALL BE MANUFACTURED FROM 100% DOMESTIC STEEL. INCLUDE CERTIFICATION OF 100% DOMESTIC STEEL

INTERNALLY LIGHTED L-807 WIND CONE



CONCRETE PAD PLAN VIEW (NOT TO SCALE)

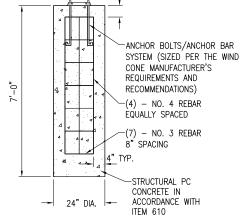


TRANSFORMER/SPLICE CAN DETAIL

(NOT TO SCALE)

1. INCLUDE INTERNAL AND EXTERNAL GROUND LUGS.

2. L-867 CAN FOR WIND CONE SHALL HAVE 2" HUB AT 0°, AND 3" HUB AT 180°. L-867 CAN WITH 2" HUB AT 0°, 2" HUB AT 90°, 2" HUB AT 180° IS ALSO ACCEPTABLE.



FOUNDATION DETAIL 'NOT TO SCALE"