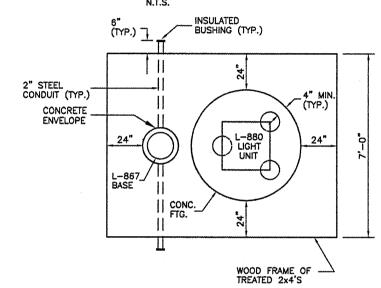
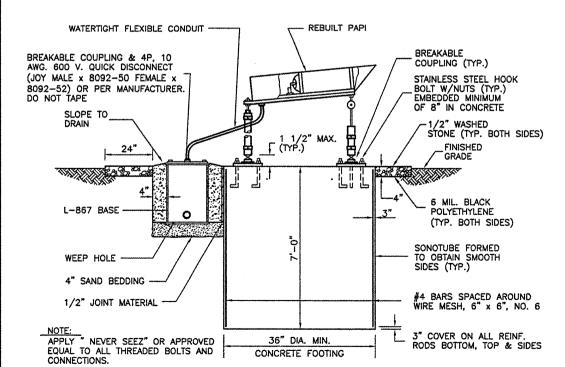


# **RUNWAY 18 TYPICAL PROFILE**





**ELEVATION VIEW** 

PLAN VIEW DETAIL

## **GENERAL NOTES**

## FOUNDATIONS:

FOUNDATIONS FOR MOUNTING LIGHT BOXES SHALL BE MADE OF ITEM 610 CONCRETE.
 ALL LIGHT BOXES SHALL BE FRANGIBLY MOUNTED TO THE FOUNDATION.

#### AZIMUTHAL AIMING:

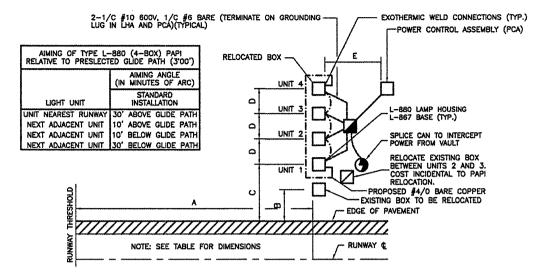
2. EACH LIGHT UNIT SHALL BE AIMED OUTWARD INTO THE APPROACH ZONE ON A LINE PARALLEL TO THE RUNWAY CENTERLINE WITHIN A TOLERANCE OF ±1/2 DEGREE. COST WILL BE INCIDENTAL TO PAPI RELOCATION.

## MOUNTING HEIGHT TOLERANCES:

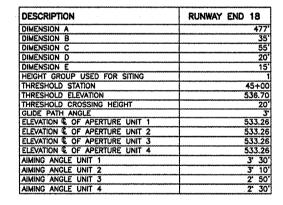
3. THE BEAM CENTERS OF ALL LIGHT UNITS SHALL BE WITHIN  $\pm 1$  INCH OF A HORIZONTAL PLANE AT THE ELEVATION GIVEN IN THE TABLE.

# TOLERANCE ALONG LINE PERPENDICULAR TO RUNWAY:

- 4. THE FRONT FACE OF EACH LIGHT UNIT IN A BAR SHALL BE LOCATED ON A LINE PERPENDICULAR TO THE RUNWAY CENTERLINE WITHIN ±6 INCHES.
- 5. PROVIDE FRANGIBLE MOUNTS FOR ALL LEGS OF LIGHT UNITS AND POWER ADAPTERS.
- 6. NUMBER AND CONFIGURATION OF LEGS PER MANUFACTURER. (3 LEGS MINIMUM)
- 7. GROUND EACH LAMP HOUSING AND POWER ADAPTER PER MANUFACTURER
- 8. THE POWER AND CONTROL UNIT SHALL BE STYLE A, CLASS II.
- THE DIFFERENCE IN LATERAL SPACING BETWEEN THE LIGHT UNITS SHALL NOT EXCEED ONE FOOT.
- 10. EACH LIGHT UNIT SHALL HAVE FOUR LAMPS AND SHALL PROVIDE A BEAM OF LIGHT SPLIT HORIZONTALLY TO PRODUCE WHITE LIGHT IN THE TOP SECTOR AND RE LIGHT UN THE BOTTOM SECTOR. THEY SHALL HAVE A MINIMUM OF THREE MOUNTING LEGS WHICH SHALL BE ADJUSTABLE TO PERMIT LEVELING WHERE ONE SIDE OF THE UNIT IS INSTALLED UP TO 1 INCH LOWER THAN THE OPPOSITE SIDE.
- 11. APPLY "NEVER SEEZ" OR APPROVED EQUAL TO ALL THREADED BOLTS AND CONNECTIONS.
- THE COST OF THE PAPI SHALL INCLUDE ANY SITE WORK AROUND THE PAPI, INCLUDING BUT NOT LIMITED TO THE CRUSHED STONE, EARTHWORK AND LANDSCAPING.
- THE CONTRACTOR SHALL RE-AIM ALL EXISTING AND RELOCATED LIGHT UNITS IN ACCORDANCE WITH TABLE.

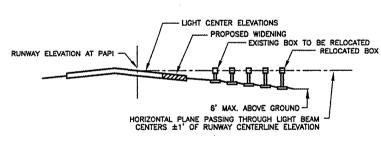


PAPI LIGHT UNIT LOCATION
N.T.S.



### NOTE:

- BASE DESIGN AND LAYOUT ON ADVISORY CIRCULAR 150/5345-28F. CONTRACTOR SHALL MEET THE REQUIREMENTS IN ADVISORY CIRCULAR 150/5345-28F.
- 2. SEE PAPI LIGHT UNIT LOCATION FOR UNIT LOCATIONS AND DIMENSIONS
- THE VISUAL GLIDE PATH ANGLE IS THE CENTER OF THE ON COURSE ZONE AND IS MEASURED FROM THE HORIZONTAL.
- 4. CONTRACTOR SHALL ALIGN RELOCATED LIGHT UNIT WITH EXISTING UNITS.
- RELOCATION OF PAPI SYSTEM PAY ITEM SHALL INCLUDE BUT NOT LIMITED TO PAPI LIGHT UNITS, RE-AIMING, POWER CONTROL AND MONITORING, ALL CABLES BETWEEN PCU AND LIGHT UNITS, GROUNDING SYSTEM, FOUNDATIONS AND ANY NECESSARY EQUIPMENT FOR A COMPLETE AND OPERATIONAL SYSTEM.
- 6. CONTRACTOR SHALL RE-AIM ALL EXISTING AND RELOCATED LIGHT UNIT IN ACCORDANCE WITH THE TABLE.



ELEVATION - TYPICAL N.T.S. UPDATE BY: Jim Raubach PLOT DATE: 1/5/2009 1:51 PM REVISIONS NUMBER BY DATE THIS BAR IS EQUAL TO 2" AT FULL SCALE (34X22). 18/36 S RUNWAY A COMMUNITY AIRPC HUNTER FIELD SPARTA, ILLINOIS  $\overline{\Box}$ PAPI OVERLAY OCATED AND WIDEN REL CRAWFORD, CONSULTING LICENSE NO. # DESIGN BY: TM CMT DRAWN BY: CHECKED BY: JEF APPROVED BY: JEF 12/31/2008 0641203 IL PROJ. NO. SAR-3652 AIP PROJ. NO. 3-17-0094-B9 SHEET 12 OF 28 SHEETS

K:\SpartaAP\0641203 Widen Rnwy\Draw\Sheets FILE: PAPI DETAILS.dwg