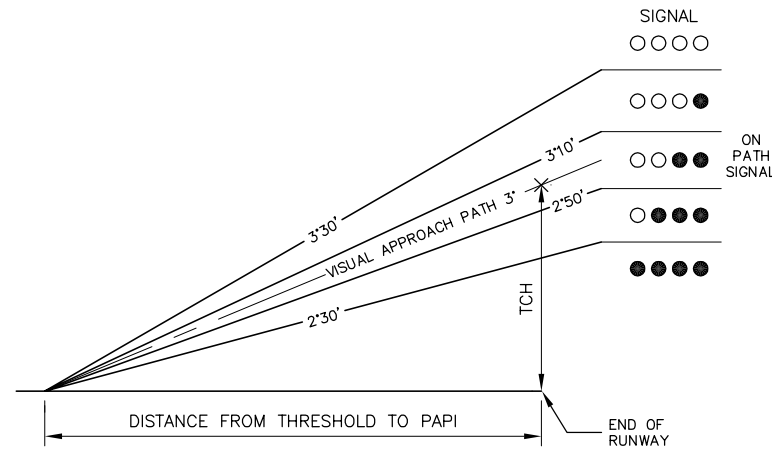


| PAPI SITING INFORMATION              | RUNWAY |       |
|--------------------------------------|--------|-------|
|                                      | 14L    | 32R   |
| HEIGHT GROUP USED FOR SITING         | 4      | 4     |
| THRESHOLD ELEVATION                  | 441.5  | 441.7 |
| THRESHOLD CROSSING HEIGHT            | 72.0'  | 72.0' |
| PAPI DISTANCE FROM THRESHOLD         | 1350'  | 1350' |
| GLIDE PATH ANGLE *                   | 3'     | 3'    |
| ELEVATION C <sub>L</sub> OF APERTURE | 441.6  | 441.6 |

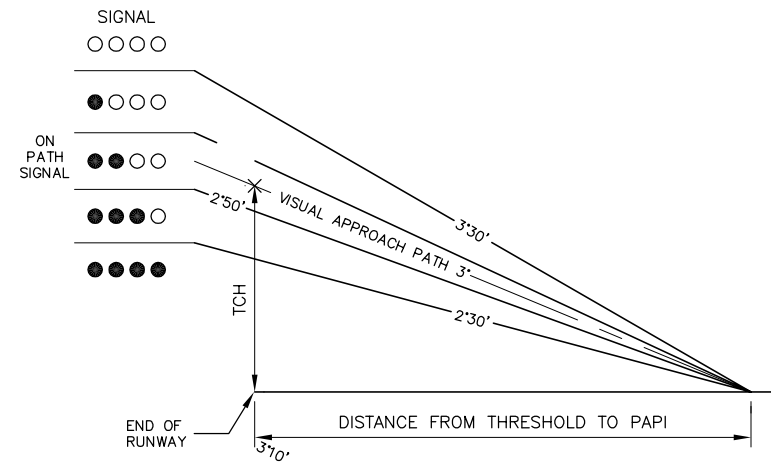
\* THE VISUAL GLIDE PATH ANGLE IS THE CENTER OF THE ON COURSE ZONE & IS MEASURED FROM THE HORIZONTAL

AIMING OF TYPE L-880 (4-BOX) PAPI RELATIVE TO PRESELECTED GLIDE PATH (3'00')

| LIGHT UNIT          | AIMING ANGLE (IN MINUTES OF ARC) |
|---------------------|----------------------------------|
|                     | STANDARD INSTALLATION            |
| UNIT NEAREST RUNWAY | 30' ABOVE GLIDE PATH             |
| NEXT ADJACENT UNIT  | 10' ABOVE GLIDE PATH             |
| NEXT ADJACENT UNIT  | 10' BELOW GLIDE PATH             |
| NEXT ADJACENT UNIT  | 30' BELOW GLIDE PATH             |

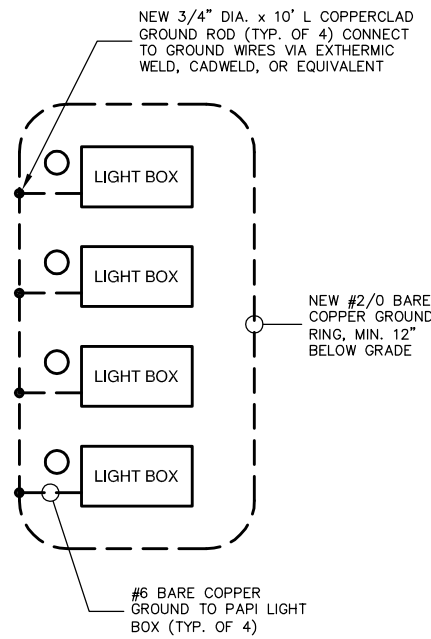


RUNWAY 14L TYPICAL PROFILE N.T.S.

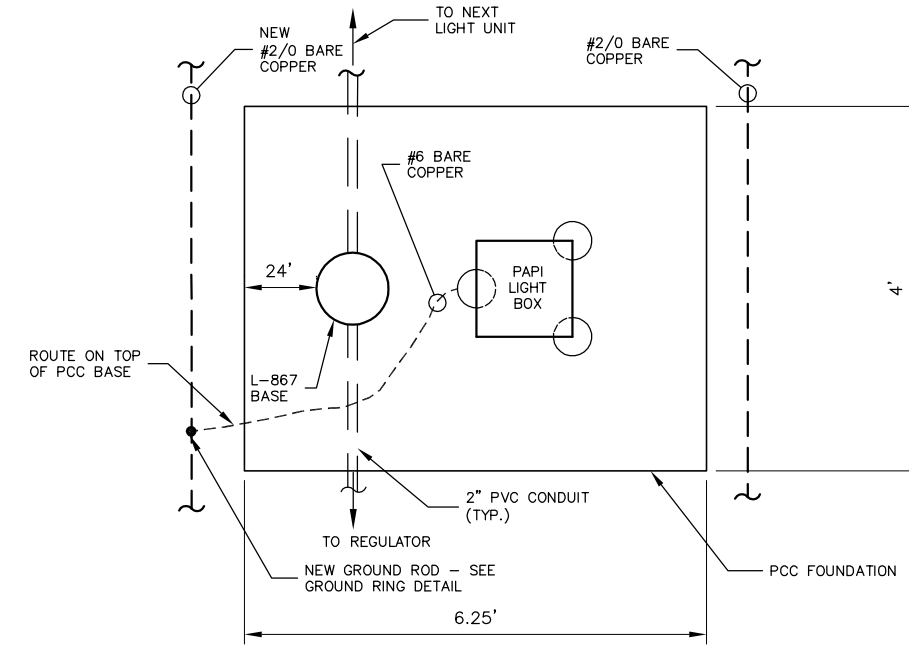


RUNWAY 32R TYPICAL PROFILE N.T.S.

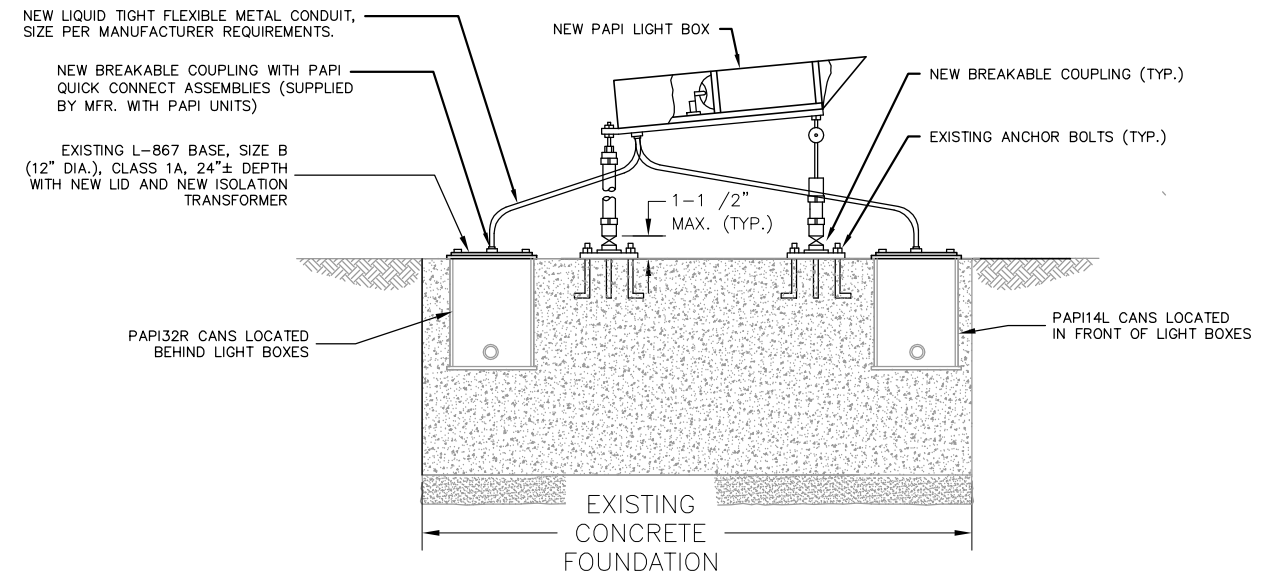
**PAPI-L-880 (4BOX)**



**PAPI GROUND RING DETAIL**  
N.T.S.



**PAPI LIGHT BOX PLAN**  
N.T.S.



**AZIMUTHAL AIMING:**  
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.

**MOUNTING HEIGHT TOLERANCES:**  
THE BEAM CENTERS OF ALL LIGHT UNITS SHALL BE WITHIN ±1 INCH OF A HORIZONTAL PLANE AT THE ELEVATION GIVEN IN THE TABLE.

**TOLERANCE ALONG LINE PERPENDICULAR TO RUNWAY:**  
THE FRONT FACE OF EACH LIGHT UNIT IN A BAR SHALL BE LOCATED ON A LINE PERPENDICULAR TO THE RUNWAY CENTERLINE WITHIN ±6 INCHES.

**LATERAL SPACING:**  
THE DIFFERENCE IN LATERAL SPACING BETWEEN LIGHT UNITS SHALL NOT EXCEED 1'-0".

**PAPI INSTALLATION DETAIL**  
N.T.S.

| REVISIONS |    |      |
|-----------|----|------|
| NUMBER    | BY | DATE |
|           |    |      |
|           |    |      |

0 1 2  
THIS BAR IS EQUAL TO 2" AT FULL SCALE (34X22).  
PLOT 1

**MIDAMERICA ST. LOUIS AIRPORT  
ST. CLAIR COUNTY, ILLINOIS**

**AIRFIELD LIGHTING IMPROVEMENTS**

ONE MEMORIAL DRIVE, SUITE 500  
ST. LOUIS, MO 63102  
(314) 436-5500

**CMT**  
CRAWFORD, MURPHY & TILLY, INC.  
CONSULTING ENGINEERS

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**IL PROJECT, BLV-4405  
AIP PROJECT, 3-17-SBGP-XX**

FILE: 33-36\_ELECTRICAL\_DETAILS.dwg

DESIGN BY: ASF

DRAWN BY: ASF

CHECKED BY: MJD/CET

APPROVED BY: BWG

DATE: JUNE 27, 2014

JOB No: 13098-02