

REVISION	DATE	ADDED NOTE PER PAPI SIGNAL ZONE
12/11/12		

MARSHALL COUNTY AIRPORT
LACON, ILLINOIS

IL PROJ.: C75-4223
BLOCK GRANT PROJ.: 3-17-0059-B15

Hanson Proj. No. 10A00051	FILENAME R-543ELE.DWG	SCALE NOT TO SCALE	DATE 12/14/12
LAYOUT	KNL	09/03/10	
DRAWN	MLH	09/03/10	
REVIEWED	KNL/CAH	03/30/11	

HANSON
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PAVE, LIGHT AND MARK
805' EXTENSION

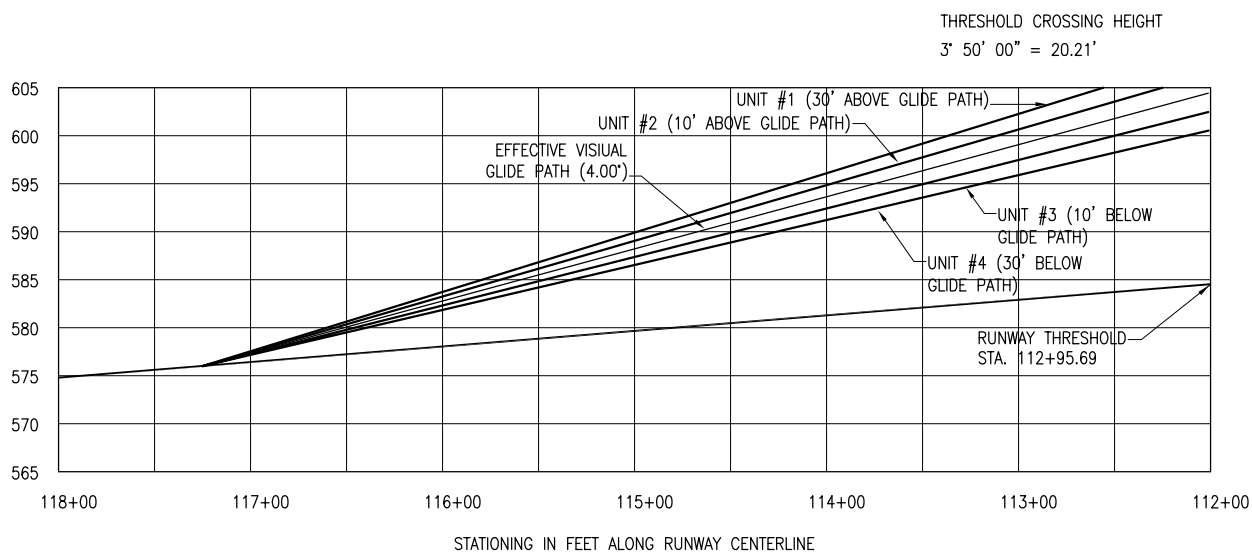
PROPOSED PAPI DETAILS
AND NOTES RUNWAY END 31

P.A.P.I. NOTES

- THE PROPOSED PRECISION APPROACH PATH INDICATOR (PAPI) SYSTEM SHALL BE PLACED AT THE LOCATION SHOWN ON THE "PROPOSED ELECTRICAL PLAN STA. 112+85 TO STA. 126+00" SHEET NO. 14.
- THE PROPOSED CONCRETE PEDESTALS SHALL BE AS DETAILED ON THE "PAPI FOUNDATION DETAILS" SHEET. THE NUMBER OF PEDESTALS CONSTRUCTED FOR EACH PAPI UNIT SHALL DEPEND ON THE UNIT SELECTED BY THE CONTRACTOR FOR INSTALLATION.
- SIX (6") INCHES OF GRAVEL ON TOP OF BLACK PLASTIC SHALL BE PLACED UNDER EACH PAPI UNIT AND POWER/CONTROL UNIT TO HALT VEGETATION GROWTH.
- EACH PAPI UNIT WILL BE CONSTRUCTED SUCH THAT THE BEAM CENTERS WILL BE WITHIN ±1" OF ELEVATION 576.00'.
- THE PROPOSED POWER CABLE TO THE PAPI SYSTEM SHALL BE 3-1/C NO. 6, 600V., TYPE XLP-USE UNDERGROUND CABLE IN 1.25" UNIT DUCT. THIS CABLE WILL BE TRENCHED IN PLACE AT A MINIMUM DEPTH OF 18" BELOW FINISH GRADE.
- THE PROPOSED PAPI SIGNAL SHALL BE VISIBLE FOR A 10 DEGREE ZONE ON EITHER SIDE OF THE RUNWAY CENTERLINE IN ACCORDANCE WITH FAA ADVISORY CIRCULAR 150/5340-30G, FIGURE 80. THE PAPI SIGNAL SHALL NOT BE VISIBLE BEYOND THE 10 DEGREE ZONE WITH A TOLERANCE OF PLUS 0.50 DEGREE, MINUS 0.00 DEGREE. IT WILL BE THE PAPI MANUFACTURER'S RESPONSIBILITY TO COMPLY WITH THIS REQUIREMENT. ANY FIELD ADJUSTMENTS WILL BE IN ACCORDANCE WITH THE PAPI MANUFACTURER'S INSTRUCTIONS AND WILL BE CONSIDERED AS INCIDENTAL TO THE INSTALLATION OF THE PROPOSED PAPI AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- THE PAPI INSTALLATION WILL BE PAID FOR UNDER ITEM: AR125615 PAPI (L-880 SYSTEM) PER LUMP SUM.
- THE POWER CABLE WILL BE PAID FOR UNDER ITEM: AR108656 3/C #6 600V UG. CABLE IN UD PER LIN. FT.

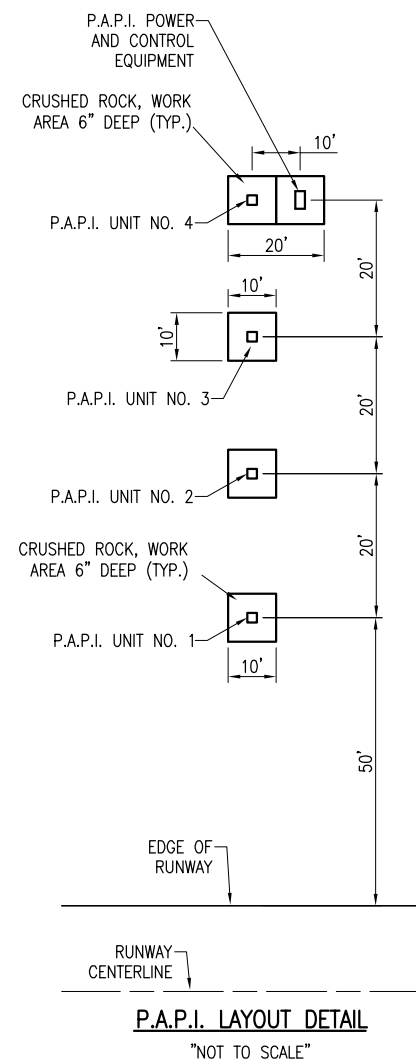
NOTE:

LOWEST ON-COURSE ANGLE - 3° 50' ELEVATION A = 604.81' TCH = 20.21'



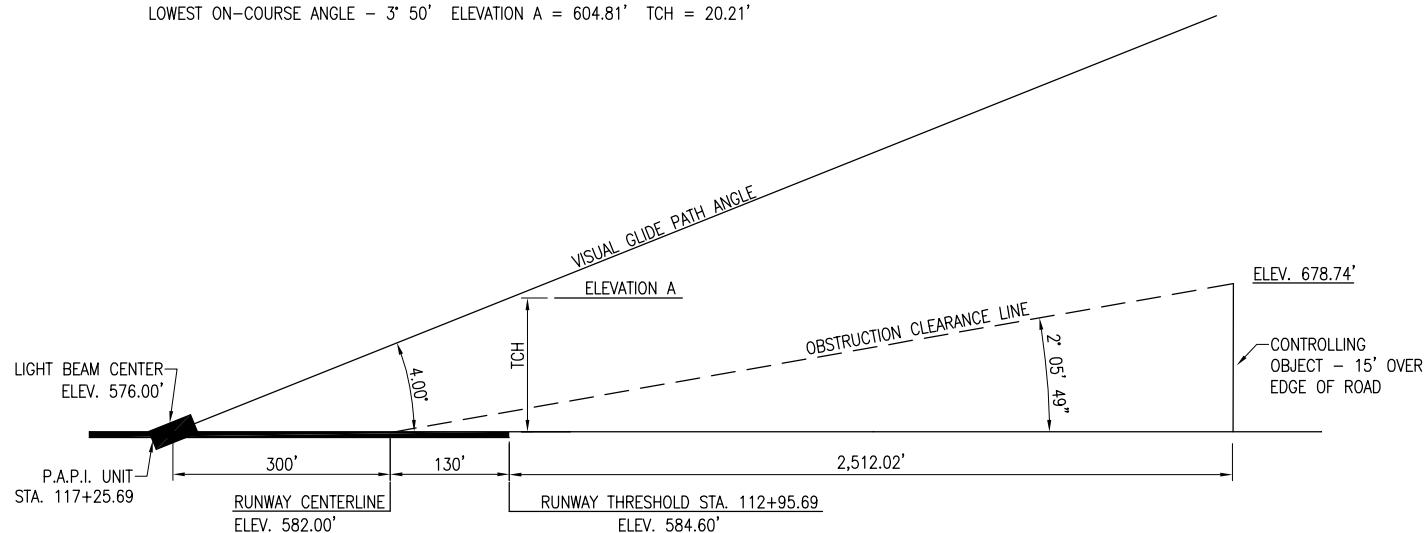
RUNWAY CENTERLINE PROFILE

PAPI DATA-RUNWAY END 31					
	P.A.P.I. UNIT #1	P.A.P.I. UNIT #2	P.A.P.I. UNIT #3	P.A.P.I. UNIT #4	P AND C UNIT
DISTANCE FROM RUNWAY CL	87.5'	107.5'	127.5'	147.5'	147.5'
AIMING ANGLE	4°30'	4°10'	3°50'	3°30'	N/A
APPROXIMATE GROUND ELEVATION	572.8'	572.8'	572.8'	572.8'	572.6'
P.A.P.I. UNIT APERTURE ELEVATION	576.0'	576.0'	576.0'	576.0'	N/A



P.A.P.I. LAYOUT DETAIL

"NOT TO SCALE"



P.A.P.I. AIMING DIAGRAM RUNWAY END 31

"NOT TO SCALE"