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## RUNWAY 21 DRAWING LIST

NO.	DRAWING TITLE	TYPE	RUNWAY	DRAWING NUMBER
1.	COVER SHEET	GENERAL	N/A	LIH-D-PAPI21-G001
2.	ABBREVIATIONS SYMBOLS & INDEX	GENERAL	N/A	LIH-D-PAPI21-G002
3.	SPECIFICATIONS PART 1 OF 3	GENERAL	N/A	LIH-D-PAPI21-G003
4.	SPECIFICATIONS PART 2 OF 3	GENERAL	N/A	LIH-D-PAPI21-G004
5.	SPECIFICATIONS PART 3 OF 3	GENERAL	N/A	LIH-D-PAPI21-G005
6.	GENERAL SITE DETAILS - 1	GENERAL	N/A	LIH-D-PAPI21-G006
7.	GENERAL SITE DETAILS - 2	GENERAL	N/A	LIH-D-PAPI21-G007
8.	AIRPORT LAYOUT DRAWING	GENERAL	N/A	LIH-D-ALD-G001
9.	PAPI & REIL DEMOLITION PLAN	DEMOLITION	RUNWAY 21	LIH-D-PAPI21-D001
10.	PAPI SITE PLAN	LAYOUT	RUNWAY 21	LIH-D-PAPI21-C001
11.	PAPI LAYOUT PLAN	LAYOUT	RUNWAY 21	LIH-D-PAPI21-C002
12.	PCA PLOT PLAN & RACK DETAILS	PAPI DETAILS	RUNWAY 21	LIH-D-PAPI21-C003
13.	LIGHT HOUSING ASSEMBLY (LHA) DETAILS	PAPI DETAILS	RUNWAY 21	LIH-D-PAPI21-C004
14.	FOUNDATION DETAILS	PAPI DETAILS	RUNWAY 21	LIH-D-PAPI21-C005
15.	ONE-LINE DIAGRAM	ELECTRICAL	RUNWAY 21	LIH-D-PAPI21-E001
16.	REIL SITE PLAN	LAYOUT	RUNWAY 21	LIH-D-REIL21-C001
17.	REIL IUA PLOT PLANS	LAYOUT	RUNWAY 21	LIH-D-REIL21-C002
18.	REIL IDENTIFIER UNIT ASSEMBLY (IUA)-DETAILS	REIL DETAILS	RUNWAY 21	LIH-D-REIL21-C003
19.	LOCALIZER PLOT PLAN	LAYOUT	RUNWAY 21	LIH-D-LOC35-C002

## GENERAL NOTES

- ALL EQUIPMENT INSTALLED UNDER THIS CONTRACT WHICH WILL BECOME THE PROPERTY OF THE FAA MUST BE INSPECTED BY THE FAA RESIDENT ENGINEER PRIOR TO BACKFILLING, COVERING, OR OTHERWISE OBSTRUCTING FROM INSPECTION. ANY WORK OBSTRUCTED FROM VIEW PRIOR TO FAA INSPECTION MUST BE EXCAVATED, REMOVED, OR OTHERWISE EXPOSED SO THAT THE FAA MAY PERFORM ITS REQUISITE INSPECTIONS. THE CONTRACTOR SHOULD PLAN FOR THIS ACCORDINGLY.
- THE CONTRACTOR IS GENERALLY RESPONSIBLE FOR ALL UNDERGROUND WORK ASSOCIATED WITH THE PAPI AND REIL. THIS INCLUDES, BUT IS NOT LIMITED TO: ALL UNDERGROUND CONDUIT, HANDHOLES, GROUNDING, LIGHTNING PROTECTION, EQUIPMENT FOUNDATIONS, ACCESS ROADS, STOP SIGNS, SURFACING, AND SITE RESTORATION. THE CONTRACTOR IS RESPONSIBLE FOR SUPPLYING AND INSTALLING THE REIL POWER AND CONTROL CABLES AND THE MEDIUM VOLTAGE PRIMARY CABLE. ALL POWER AND CONTROL CABLE TERMINATIONS WILL BE COMPLETED BY OTHERS. INSTALLATION OF THE PAPI PCA RACK, PAPI LHAs, POWER AND CONTROL CONDUCTORS BETWEEN THE PAPI PCA AND LHAs, REIL IUAs, CABLE TERMINATIONS, AND ALL WORK INSIDE THE LOCALIZER EQUIPMENT SHELTER WILL BE COMPLETED BY OTHERS.
- THE CONTRACTOR MUST, TO THE EXTENT PRACTICABLE, WHILE STILL WORKING WITHIN THE LIMITS OUTLINED IN THE CONSTRUCTION SAFETY AND PHASING PLAN (CSPP), COMPLETE ALL FAA WORK CONSECUTIVELY.
- THE CONTRACTOR SHALL MAINTAIN AN UPDATED SCHEDULE PER CONTRACT REQUIREMENTS. THIS SCHEDULE MUST INDICATE DAYS AND TIMES THAT HE CONTRACTOR WILL BE WORKING ON FAA EQUIPMENT. APPROXIMATE DATES SHALL BE GIVEN ON THE CONTRACTOR'S PRELIMINARY SCHEDULE. ADDITIONALLY, ANY WORK WHICH WILL IMPACT FAA FACILITIES MUST BE NOTED ON THE CONTRACTORS LOOK AHEAD AND PROGRESS SCHEDULES. FAILURE TO PROVIDE ADEQUATE NOTICE TO THE FAA FOR INSPECTIONS WILL RESULT IN THE REJECTION OF ANY COVERED OR OTHERWISE BURIED WORK (SEE NOTE 1).
- ANY OUTAGES OF FAA EQUIPMENT MUST BE SCHEDULED A MINIMUM OF 7 DAYS IN ADVANCE WITH THE RESIDENT ENGINEER. THIS IS IN ADDITION TO THE 30 DAY MINIMUM STRATEGIC EVENT COORDINATION REQUIRED.
- ANY AREAS DAMAGED BY THE CONTRACTOR SHALL BE RESTORED TO ORIGINAL CONDITIONS. AREAS WHICH WERE GRAVELED SHALL BE REPAIRED IN-KIND USING THE CROSS SECTION SHOWN ON LIH-D-PAPI21-G006. AREAS WHICH WERE GRASS MUST BE RE-SEEDED VIA HYDROSEEDING. THE CONTRACTOR WILL MAINTAIN SUCH AREAS UNTIL THE CAI. THE SEED MIXTURE MUST BE APPROVED IN ADVANCE BY THE AIRPORT.
- THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES PRIOR TO ANY EXCAVATION. EXISTING UNDERGROUND UTILITIES INDICATED ON THESE DRAWINGS ARE INCOMPLETE AND LIKELY CONTAIN INACCURACIES.

## ABBREVIATIONS

2/C	TWO CONDUCTORS
1/C	SINGLE CONDUCTOR
A/G	AIR TO GROUND
AWG	AMERICAN WIRE GAUGE
B.C.	BARE COPPER
C	CONDUIT
COMM	COMMUNICATION
CTRL	CONTROL
D.E.B.	DIRECT EARTH BURIAL
DET	DETAIL
DIA	DIAMETER
DISC	DISCONNECT
DIST	DISTRIBUTION
DWG	DRAWING
EES	EARTH ELECTRODE SYSTEM
EMT	ELECTRICAL METALLIC TUBING
EOP	EDGE OF PAVEMENT
EOG	EDGE OF GRAVEL
EXIST	EXISTING
FAA	FEDERAL AVIATION ADMINISTRATION
FED	FEDERAL
G/E/C	GROUNDING ELECTRODE CONDUCTOR
GFM	GOVERNMENT FURNISHED MATERIAL
GFP	GOVERNMENT FURNISHED PROPERTY
G/G	GROUND TO GROUND
GND	GROUND
GRC	GALVANIZED RIGID STEEL CONDUIT (SAME AS GRMC)
GRMC	GALVANIZED RIGID METAL CONDUIT (SAME AS GRC)
GRN	GREEN
GW	GUARD WIRE
HD	HEAVY DUTY
HH	HAND HOLE
ICC	INDIVIDUAL CONTROL CABINET
IFU	INTERFACE UNIT
J-BOX	JUNCTION BOX
LFMC	LIQUID TIGHT FLEXIBLE METALLIC CONDUIT
LHA	LIGHT HOUSING ASSEMBLY
LOC	LOCALIZER
MALSR	MEDIUM INTENSITY APPROACH LIGHTING SYSTEM
	W/ RAIL
MAX	MAXIMUM
MH	MANHOLE
MIN	MINIMUM
NEUT	NEUTRAL
NTS	NOT TO SCALE
OFA	OBJECT FREE AREA
OFZ	OBSTACLE FREE ZONE
P/C	POWER AND CONTROL (CABINET OR STATION)
PAPI	PRECISION APPROACH PATH INDICATOR
PNL	PANEL
POCO	POWER COMPANY
PVC	POLYVINYL CHLORIDE
R.E.	RESIDENT ENGINEER
REIL	RUNWAY END IDENTIFIER LIGHTS
RGSC	RIGID GALVANIZED STEEL CONDUIT
RPI	RUNWAY POINT OF INTERCEPT
RRP	RUNWAY REFERENCE POINT(PAPI)
RSA	RUNWAY SAFETY AREA
RWY	RUNWAY
SH	SHEET
SPD	SURGE PROTECTION DEVICE
SSC	SYSTEM SUPPORT CENTER
TCH	THRESHOLD CROSSING HEIGHT
THR	THRESHOLD
TOC	TOP OF CONCRETE
TOFA	TAXIWAY OBJECT FREE AREA
TSA	TAXIWAY SAFETY AREA
TWY	TAXIWAY
TYP	TYPICAL
U.O.N.	UNLESS OTHERWISE NOTED
V	VOLTS
VASI	VERTICAL APPROACH SLOPE INDICATOR
W/O	WITHOUT
W/WF	WELDED WIRE FABRIC
XFMR	TRANSFORMER

## SYMBOLS

	- SECTION, ELEVATION, DETAIL
	- DWG NO. WHERE SECTION/ELEV. OR DETAIL IS SHOWN
	- SECTION, ELEVATION, DETAIL
	- SHEET NO. WHERE SECTION/ELEV. OR DETAIL IS SHOWN (THIS SERIES)
	- GROUND
	- CONNECT
	- GROUND ROD
	- TRANSFORMER (PAD MOUNTED)
	- FUSE
	- DISCONNECT
	- TRANSFORMER (GENERAL)
	- EG OUTLET

REV	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	APVD
DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION ATO - TECHNICAL OPERATIONS WESTERN SERVICE AREA					
PAPI ABBREVIATIONS, SYMBOLYS, & INDEX					
LIHUE LIHUE AIRPORT HI					
REVIEWED BY	SUBMITTED BY	DESIGNED BY	ISSUED BY	DATE	1798073
				01/08/2023	JCN
		PROJECT ENGINEER, AJW-2W14B	PLATFORM MANAGER, AJW-2W14B		
		DRAWN	ENGINEERING SERVICES	DRAWING NO	REV
		CHECKED	NAVAIDS	LIH-D-PAPI21-G002	

ISSUED FOR: BID

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