

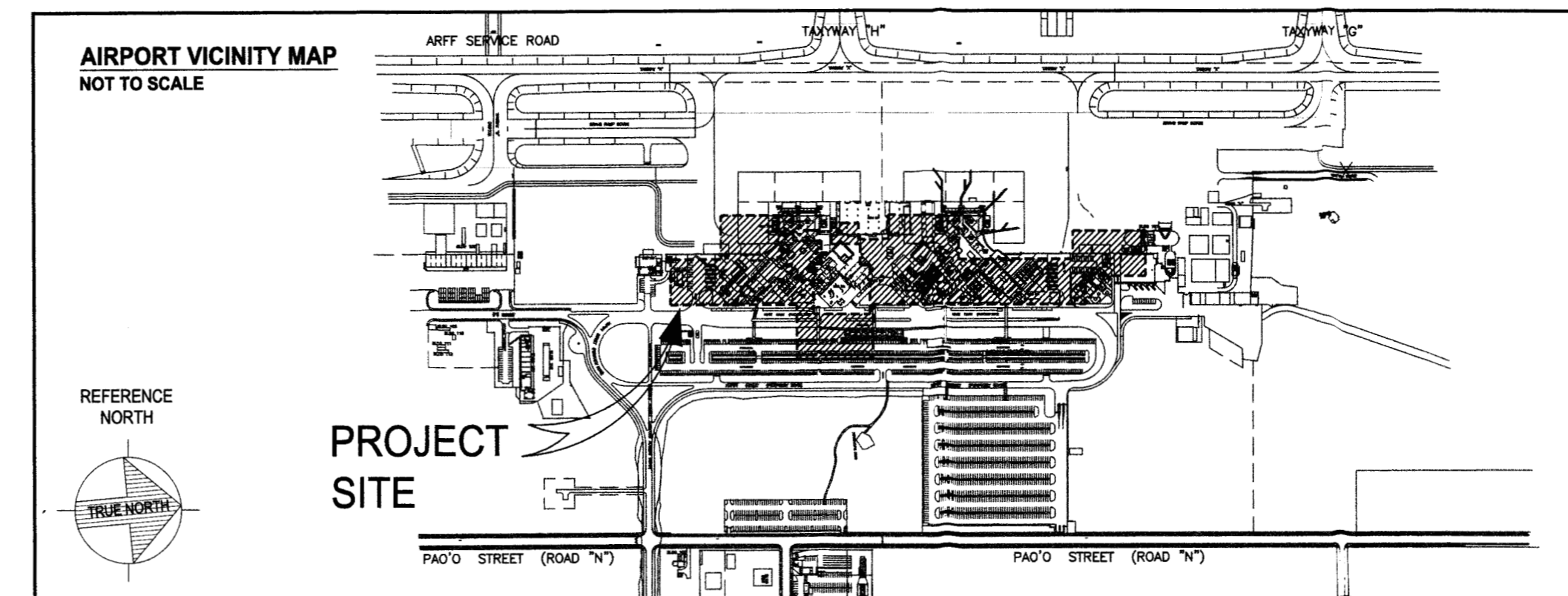
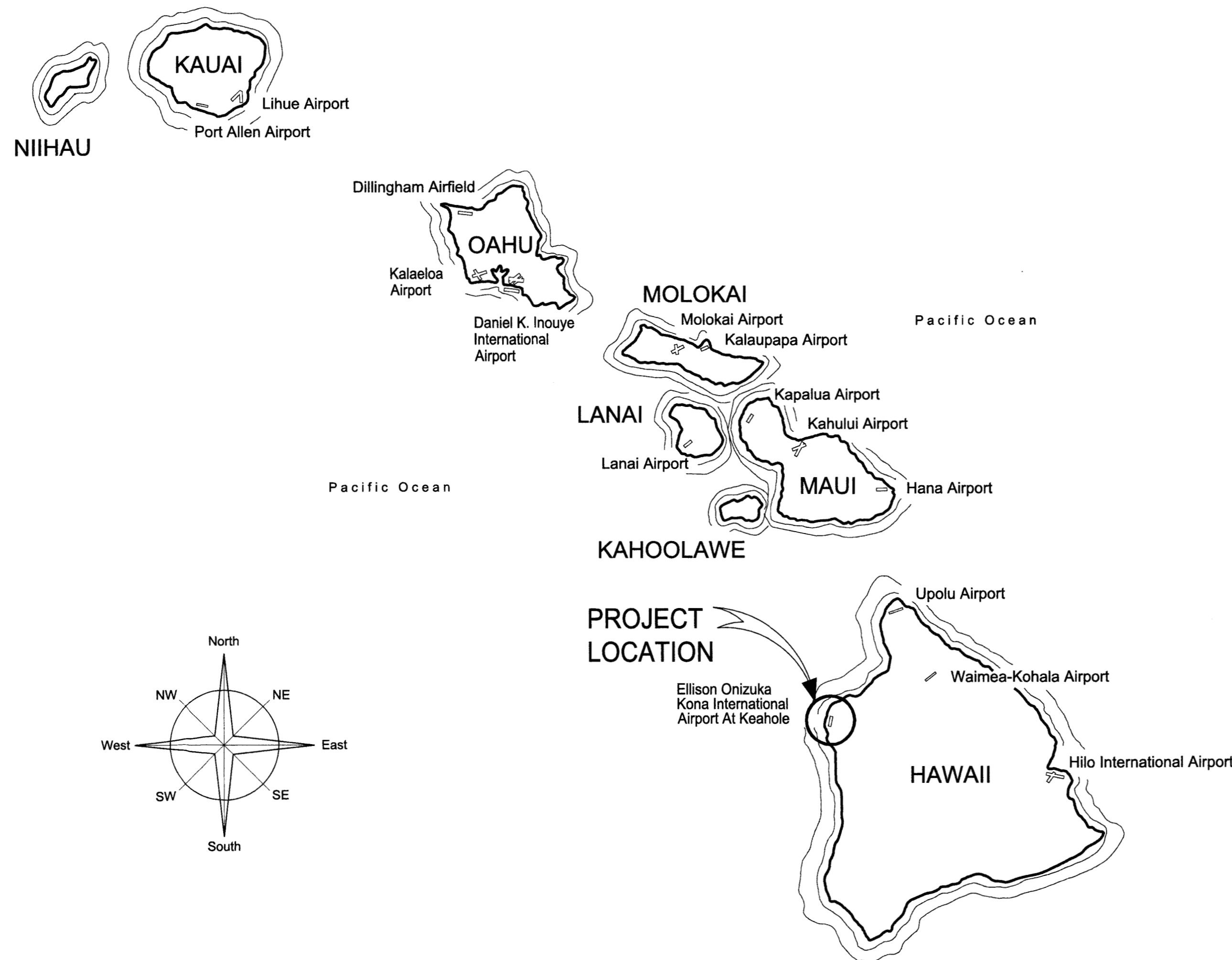
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION AIRPORTS

PLANS FOR

FIRE ALARM SYSTEM UPGRADE

AT

ELLISON ONIZUKA KONA INTERNATIONAL AIRPORT AT KEAHOLE KAILUA-KONA, HAWAII STATE PROJECT NO. AH2076-13



PROJECT TEAM

FIRE PROTECTION:
COFFMAN ENGINEERS
745 FORT ST. SUITE 400
HONOLULU, HI 96813
(808) 687-8884

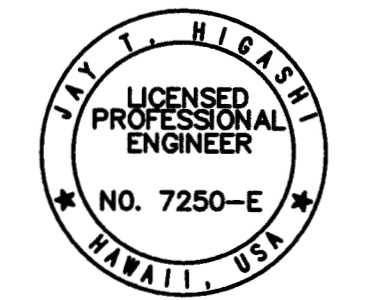
ELECTRICAL:
COFFMAN ENGINEERS
745 FORT ST. SUITE 400
HONOLULU, HI 96813
(808) 687-8884

JAY T. HIGASHI
LICENSED PROFESSIONAL ENGINEER
NO. 7250-E
HAWAII, U.S.A.
ELECTRICAL ENGINEER

JEREMY B. DOW
LICENSED PROFESSIONAL ENGINEER
NO. 15212-E
HAWAII, U.S.A.
ELECTRICAL ENGINEER



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
AIRPORTS



J. T. Higashi
04/30/2024
Licensed Expiration Date

This work was prepared by me or under my supervision.

DSGN.	DRWN.	CHKD.	APPD.
KMC	KMC	JTH	-

NO.	DATE	REVISIONS

FINAL SUBMITTAL

02/20/23
DATE

PROJECT TITLE :

**FIRE ALARM SYSTEM
UPGRADE**

AT
ELLISON ONIZUKA
KONA INTERNATIONAL AIRPORT AT KEAHOLE
KAILUA-KONA, HAWAII

PROJECT NO.:

AH2076-13

SHEET TITLE:

TITLE SHEET

DEPARTMENT OF TRANSPORTATION
STATE OF HAWAII

APPROVED:
Henry St.
DIRECTOR OF TRANSPORTATION

DATE
5/12/23

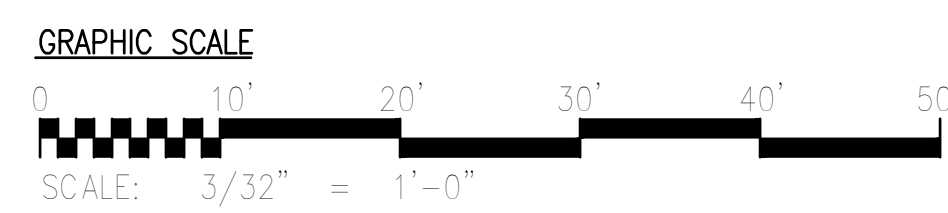
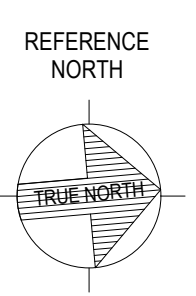
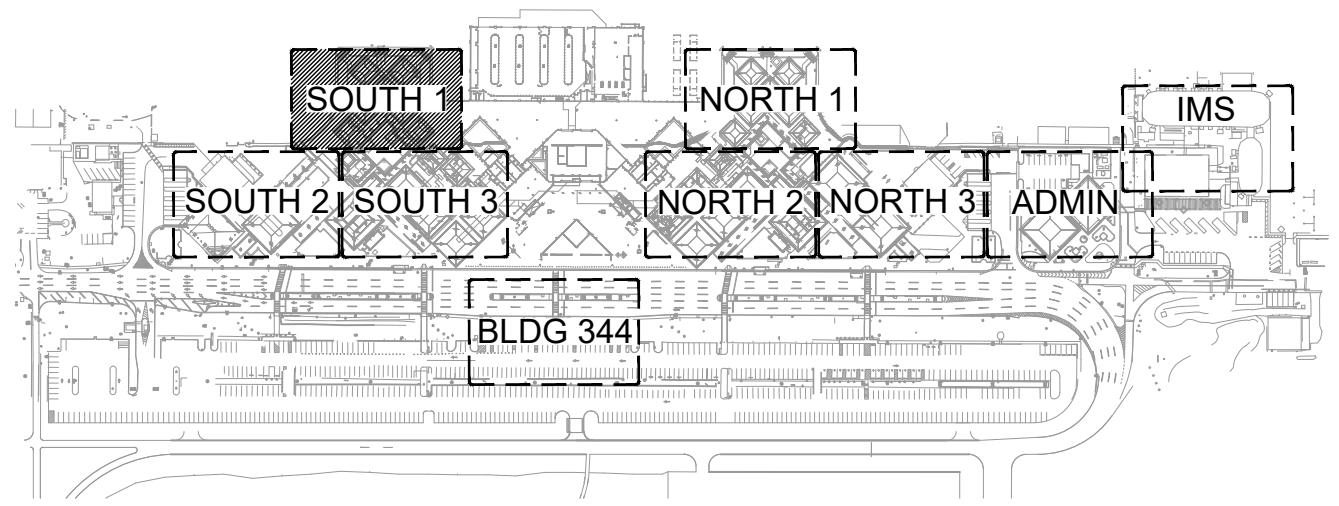
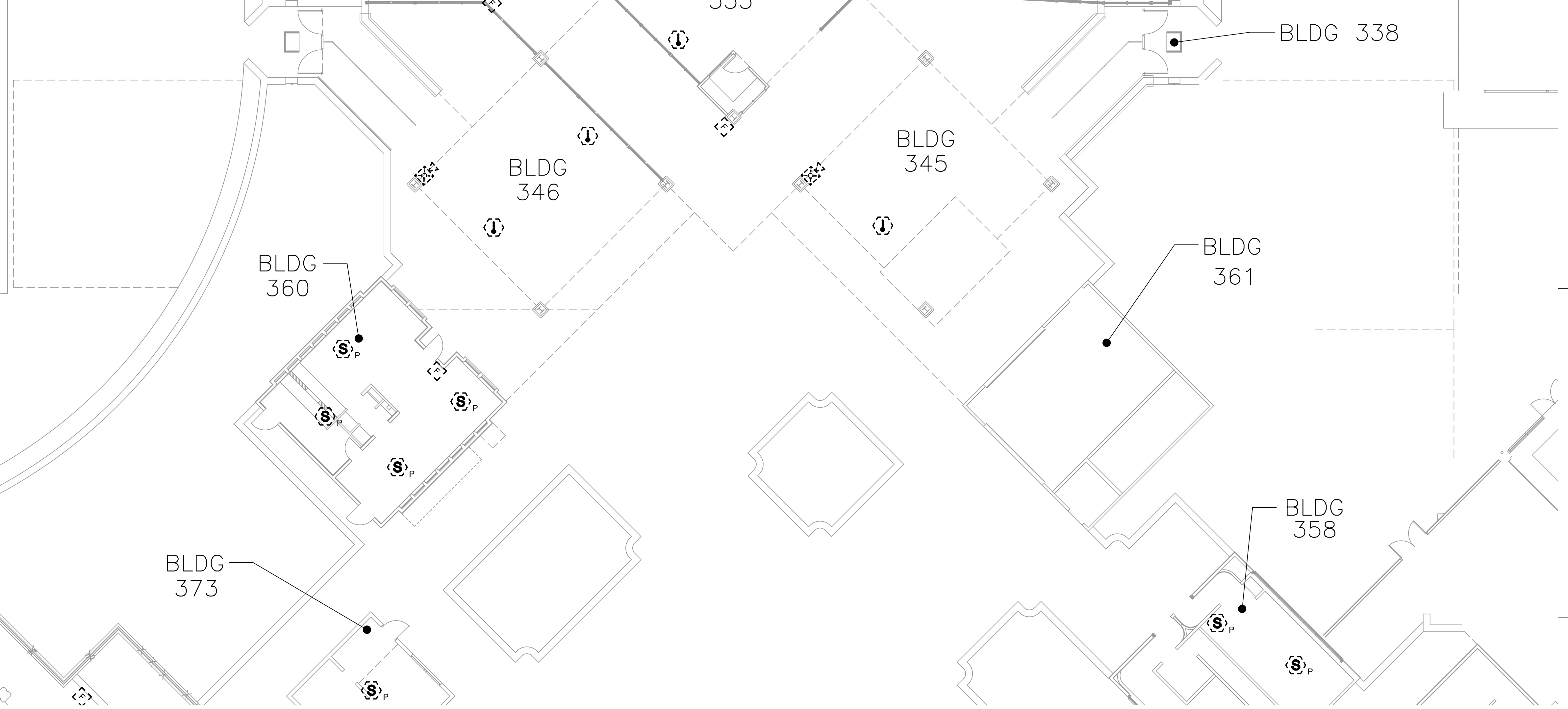
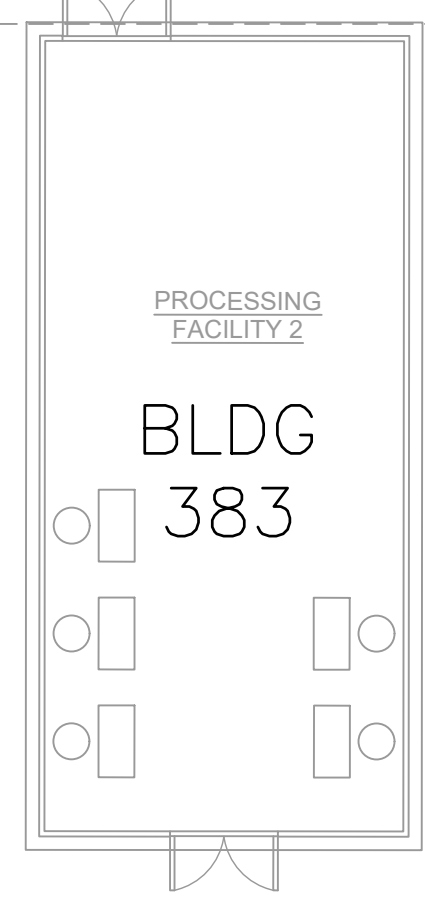
DATE: 02/20/2023	DWG. NO. G-001
SHEET: 1 OF 36 SHEETS	

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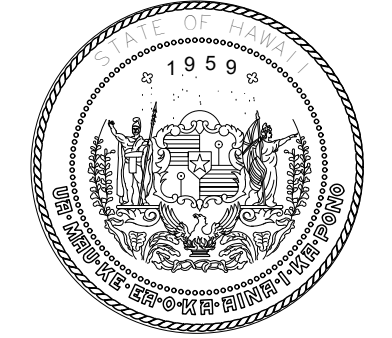
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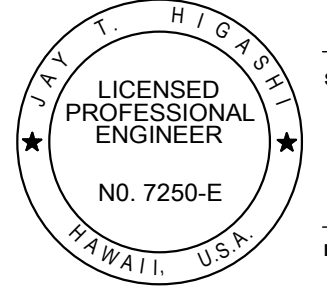


A1 FIRE ALARM DEMO SOUTH 1
SC: 3/32" = 1'-0"

KEY PLAN



Airports Division
DEPARTMENT OF TRANSPORTATION
STATE OF HAWAII



J. T. Higuchi
SIGNATURE

04-30-24
EXPIRATION DATE OF THE LICENSE

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DSGN.	DRWN.	CHKD.	APPD.
KMC	KMC	JTH	-

KEY PLAN / NOTES:

NO.	DATE	REVISIONS

FINAL SUBMITTAL

PROJECT TITLE:

KONA INTERNATIONAL AIRPORT FIRE ALARM SYSTEM UPGRADE

KONA INTERNATIONAL AIRPORT
KALAOA, HAWAII

STATE PROJECT NO.:

AH2076-13

SHEET TITLE:

FIRE ALARM DEMO SOUTH 1

DATE :	2/20/23	SHEET	FD101
DWG. NO. :	5	OF 36 SHEETS	

Revised January 2014

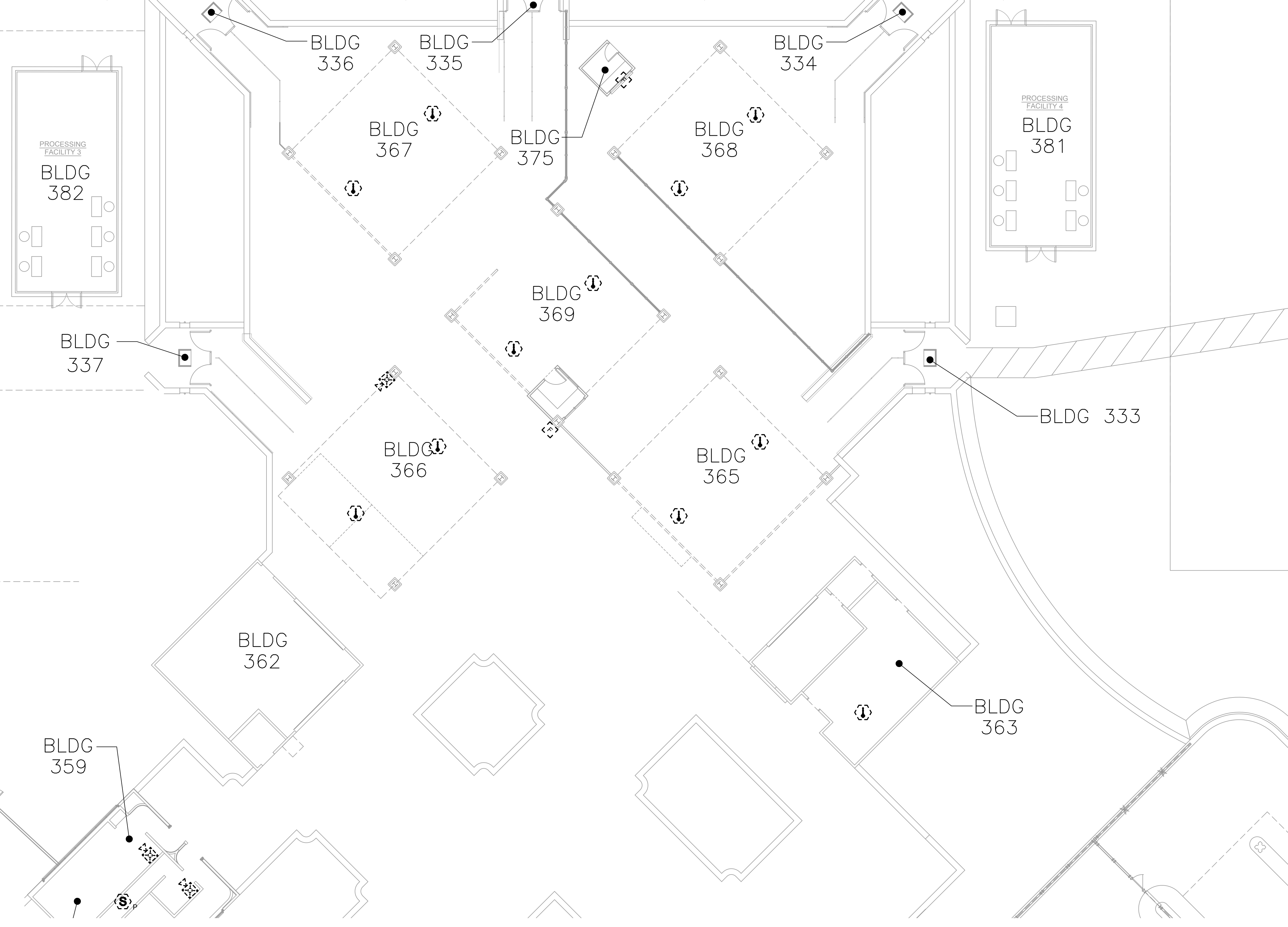
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JT Higuchi
SIGNATURE

LICENSED PROFESSIONAL ENGINEER
NO. 7250-E
HAWAII, U.S.A.

04-30-24
EXPIRATION DATE OF THE LICENSE

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DSGN.	DRWN.	CHKD.	APPD.
KMC	KMC	JTH	-

KEY PLAN / NOTES:

NO.	DATE	REVISIONS
-----	------	-----------

FINAL SUBMITTAL

PROJECT TITLE:

KONA INTERNATIONAL AIRPORT FIRE ALARM SYSTEM UPGRADE
KONA INTERNATIONAL AIRPORT
KALAOA, HAWAII

STATE PROJECT NO.:

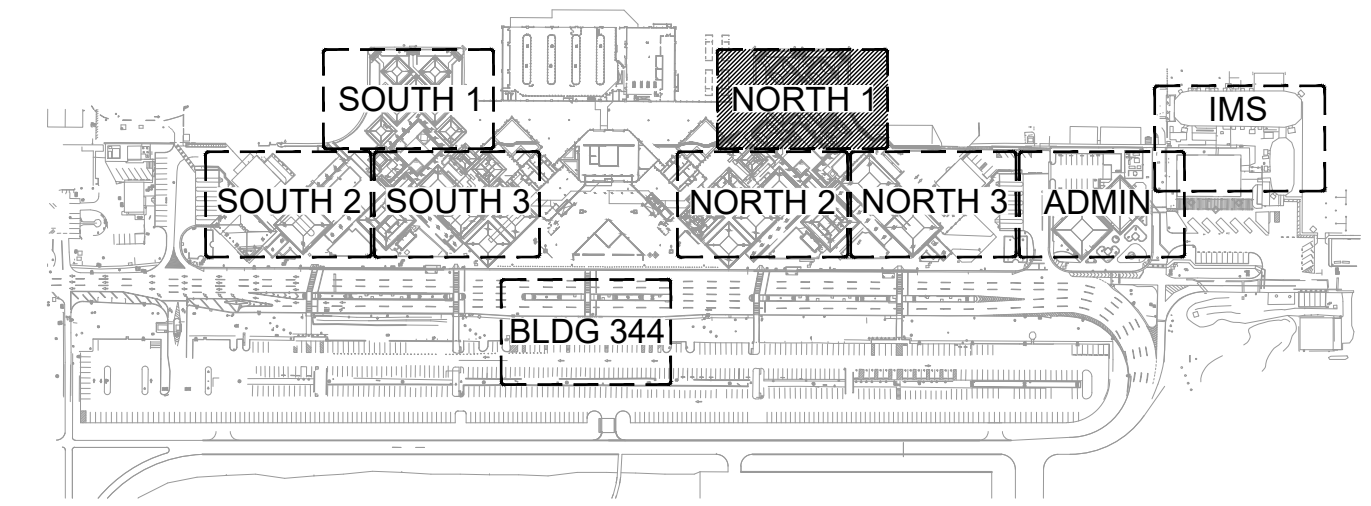
AH2076-13

SHEET TITLE:

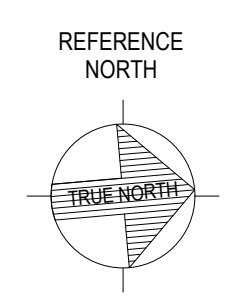
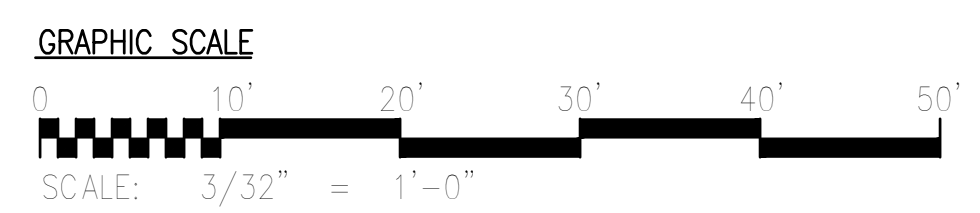
FIRE ALARM DEMO NORTH 1

DATE :	2/20/23	SHEET	FD121
DWG. NO. :	8	OF 36 SHEETS	

A1 FIRE ALARM DEMO NORTH 1
SC: 3/32" = 1'-0"



KEY PLAN

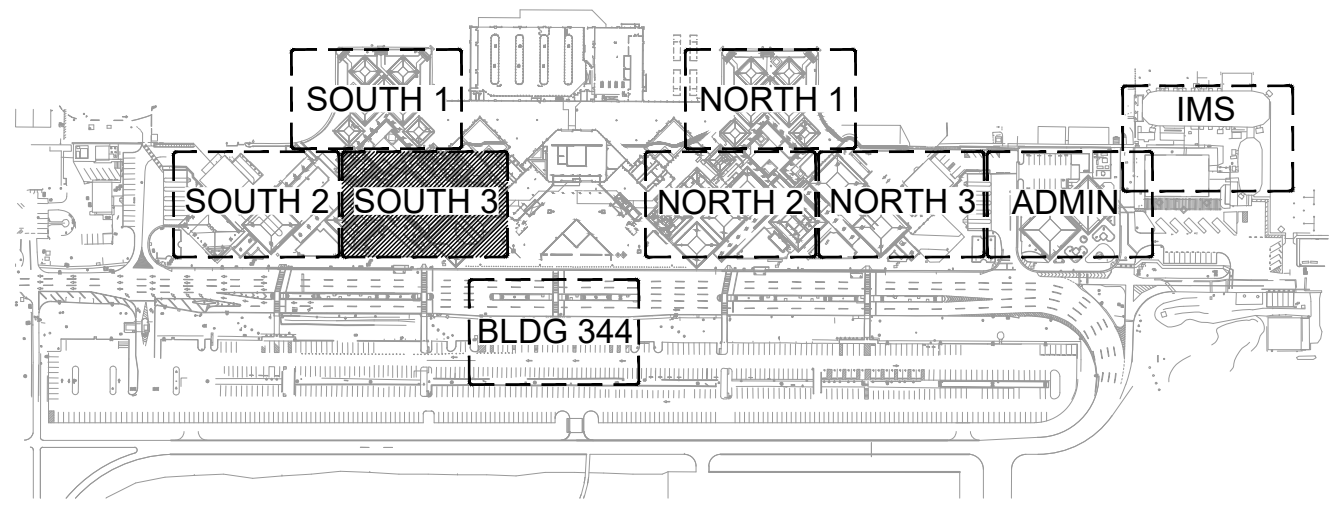
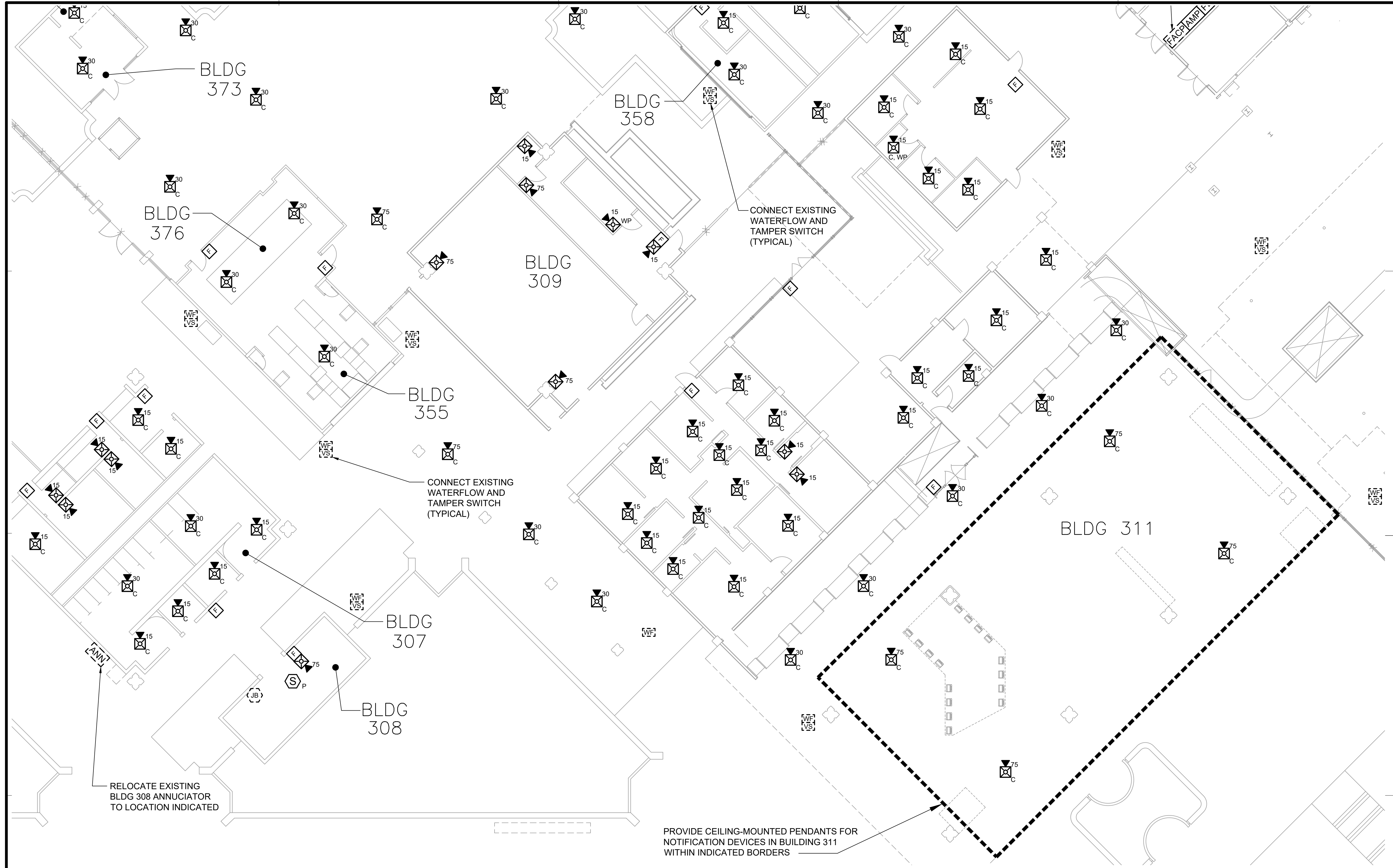


Revised January 2014

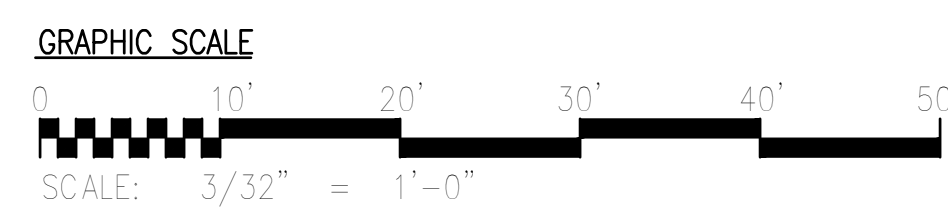
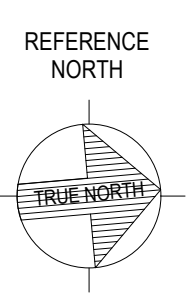
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Revised January 2014

1/11/2016 10:45:44 AM P:\2012\12011 HNL Airport Concession Improvements\05-Drawings\BIM\Diamond Head 60% DD.rvt



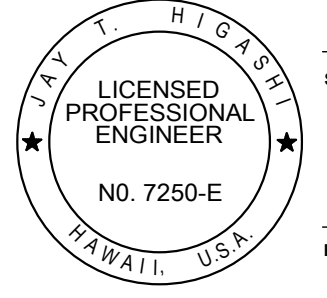
KEY PLAN



A1 FIRE ALARM NEW PLAN SOUTH 3
 SC: 3/32" = 1'-0"



Airports Division
 DEPARTMENT OF TRANSPORTATION
 STATE OF HAWAII



J.T. Higuchi
 SIGNATURE

04-30-24
 EXPIRATION DATE OF THE LICENSE

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DSGN.	DRWN.	CHKD.	APPD.
KMC	KMC	JTH	-

KEY PLAN / NOTES:

NO.	DATE	REVISIONS
-----	------	-----------

FINAL SUBMITTAL

PROJECT TITLE:

KONA INTERNATIONAL AIRPORT FIRE ALARM SYSTEM UPGRADE
 KONA INTERNATIONAL AIRPORT
 KALAOA, HAWAII

STATE PROJECT NO.:

AH2076-13

SHEET TITLE:

FIRE ALARM NEW PLAN SOUTH 3

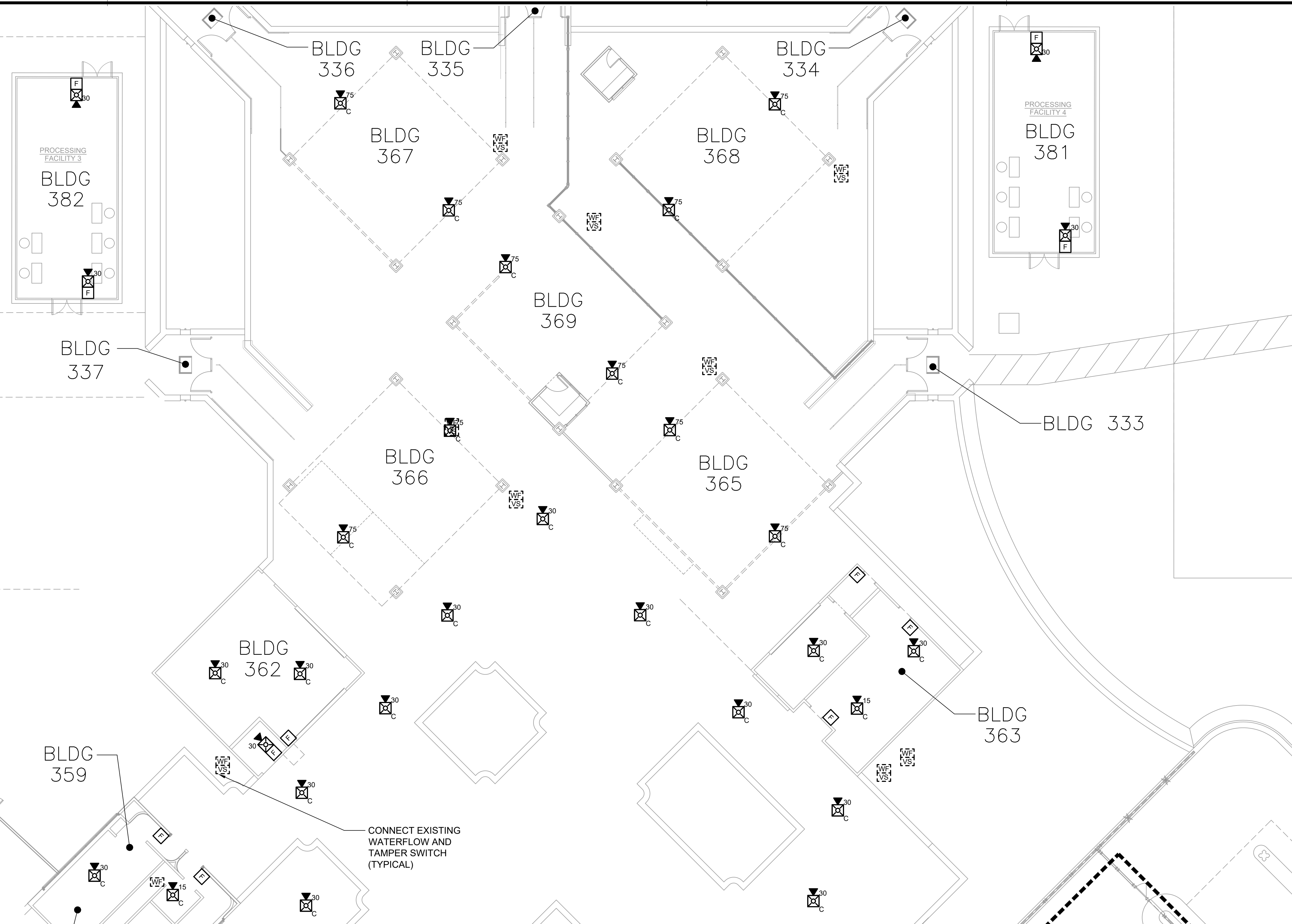
DATE :	2/20/23	SHEET	FA103
DWG. NO. :	18	OF 36 SHEETS	

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Signature: *J. T. Higuchi*
 LICENSED PROFESSIONAL ENGINEER
 NO. 7250-E
 HAWAII, U.S.A.
 EXPIRATION DATE OF THE LICENSE: 04-30-24

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY SUPERVISION

DSGN.	DRWN.	CHKD.	APPD.
KMC	KMC	JTH	-

KEY PLAN / NOTES:

NO.	DATE	REVISIONS
-----	------	-----------

FINAL SUBMITTAL

PROJECT TITLE:

KONA INTERNATIONAL AIRPORT FIRE ALARM SYSTEM UPGRADE
 KONA INTERNATIONAL AIRPORT
 KALAOA, HAWAII

STATE PROJECT NO.:

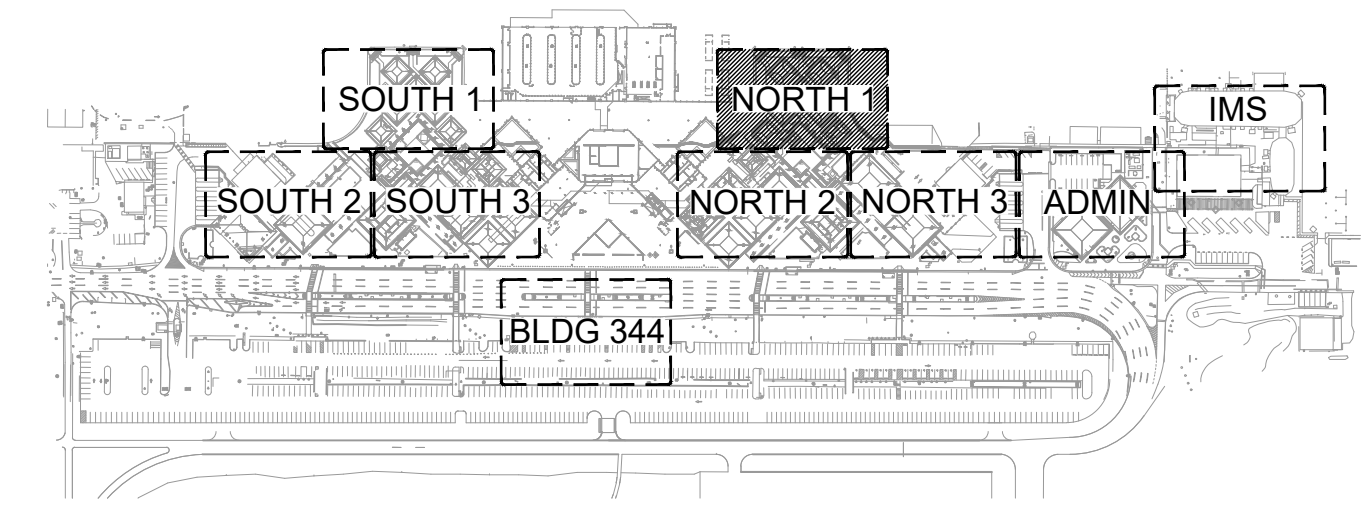
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SHEET TITLE:

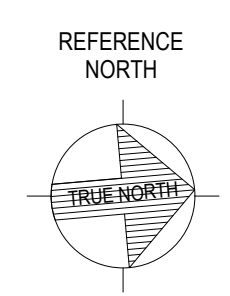
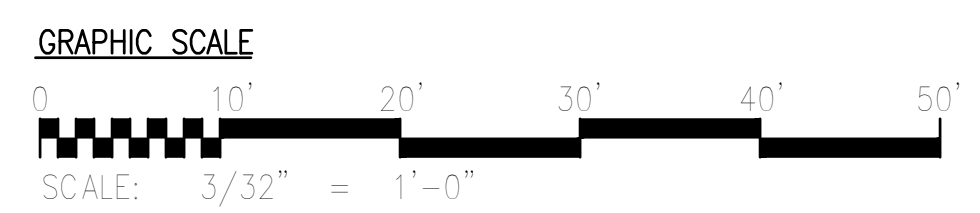
FIRE ALARM NEW PLAN NORTH 1

DATE :	2/20/23	SHEET	FA121
DWG. NO. :	19	OF 36 SHEETS	

A1 FIRE ALARM NEW PLAN NORTH 1
 SC: 3/32" = 1'-0"



KEY PLAN



Revised January 2014

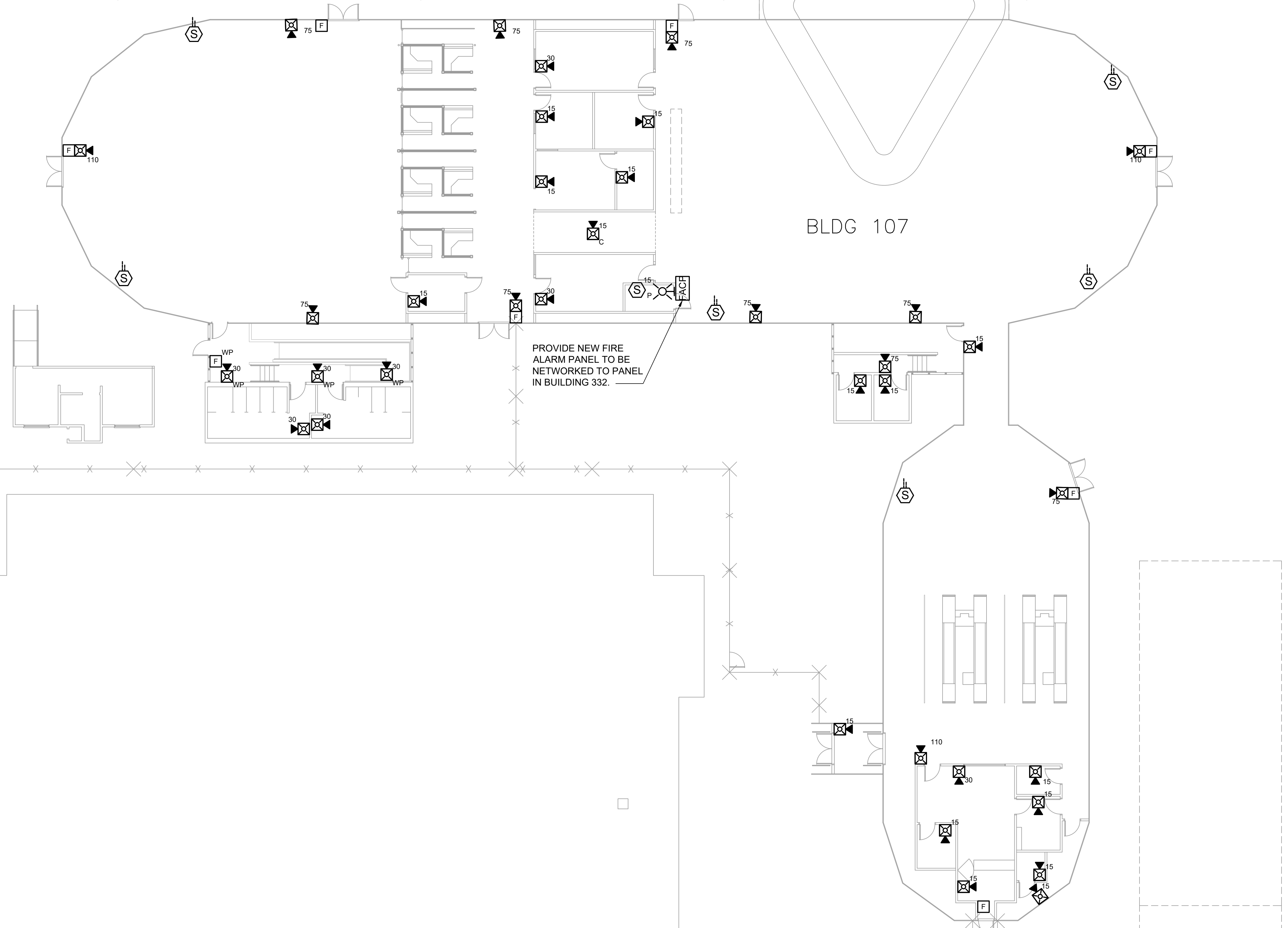
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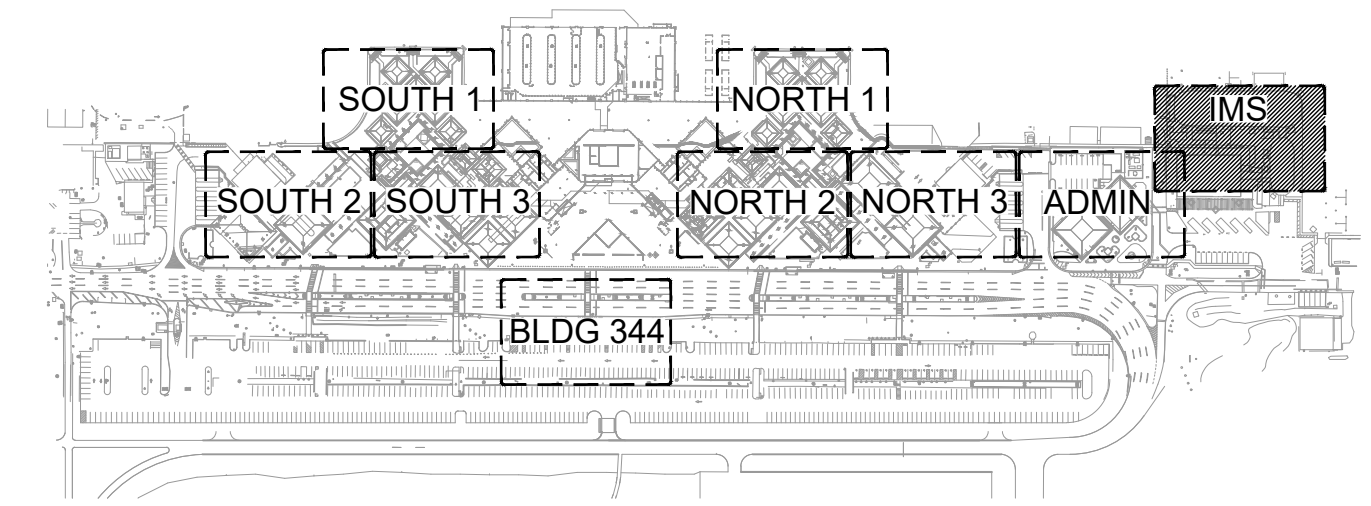
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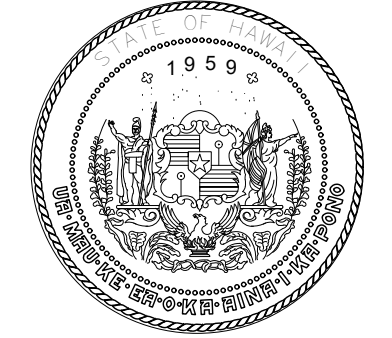
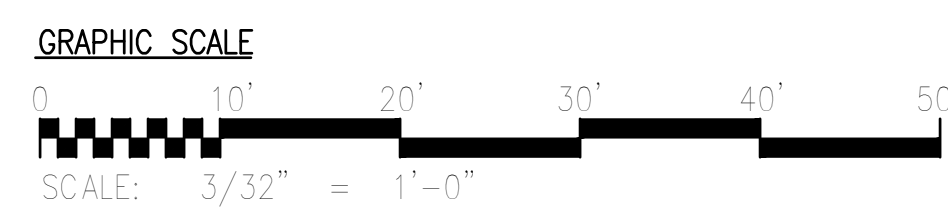
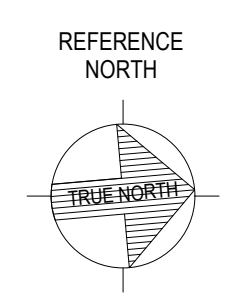
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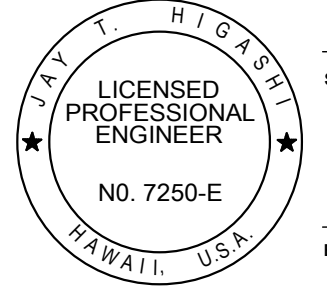
PROVIDE NEW FIRE ALARM PANEL TO BE NETWORKED TO PANEL IN BUILDING 332.



KEY PLAN



Airports Division
DEPARTMENT OF TRANSPORTATION
STATE OF HAWAII



J. T. Higuchi
SIGNATURE

04-30-24

EXPIRATION DATE OF THE LICENSE

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DSGN.	DRWN.	CHKD.	APPD.
KMC	KMC	JTH	-

KEY PLAN / NOTES:

NO.	DATE	REVISIONS
-----	------	-----------

FINAL SUBMITTAL

PROJECT TITLE:

KONA INTERNATIONAL AIRPORT FIRE ALARM SYSTEM UPGRADE

KONA INTERNATIONAL AIRPORT
KALAOA, HAWAII

STATE PROJECT NO.:

AH2076-13

SHEET TITLE:

FIRE ALARM NEW IMMIGRATIONS

DATE :	2/20/23	SHEET	FA141
DWG. NO. :	23	OF 36 SHEETS	

A1 FIRE ALARM NEW OLD IMMIGRATIONS
SC: 3/32" = 1'-0"

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EXISTING FIRE ALARM SYSTEM SEQUENCE OF OPERATIONS

SYSTEM OUTPUTS	CONTROL UNIT ANNUCIATION	NOTIFICATION	REQUIRED FIRE SAFETY CONTROL
----------------	--------------------------	--------------	------------------------------

ACTUATE COMMON ALARM SIGNAL INDICATOR
 ACTUATE AUDIBLE AND VISUAL ALARM SIGNALS
 ACTUATE SUPERVISORY TROUBLE INDICATOR
 ACTUATE SUPERVISORY TROUBLE AUDIBLE SIGNAL
 IMMEDIATE GENERAL ALARM IN ALL ZONES
 IMMEDIATE GENERAL ALARM IN ZONE OF ACTIVATION
 IMMEDIATE GENERAL ALARM IN ZONE OF ACTIVATION IF A SECOND INITIATION DEVICE IS ACTIVATED IN THE SAME ZONE OR ADJACENT ZONE
 UPON A GENERAL ALARM, SHALL SHUTDOWN LARGE CEILING MOUNTED FANS IN THE RESPECTIVE ZONE(S)
 UPON GENERAL ALARM, SHALL CLOSE BAGGAGE HANDLING DOG HOUSE DOORS
 UPON GENERAL ALARM, SHALL SHUT DOWN LARGE CEILING MOUNTED FANS IN THE RESPECTIVE ZONE(S)
 UPON A GENERAL ALARM, SHALL SHUTDOWN LARGE CEILING MOUNTED FANS IN THE RESPECTIVE ZONE(S)

SYSTEM INPUTS

		A	B	C	D	E	F	G	H	I	J	K	L	
1	SECURITY STATION MANUAL FIRE ALARM PULL STATION	X	X				X			X	X	X	X	1
2	FIRE SPRINKLER FLOW SWITCH	X	X					X		X	X	X	X	2
3	FIRE SPRINKLER PRESSURE SWITCH	X	X					X		X	X	X	X	3
4														4
5	MANUAL FIRE ALARM PULL STATIONS	X	X						X	X	X	X	X	5
6	SMOKE DETECTORS	X	X						X	X	X	X	X	6
7	HEAT DETECTORS	X	X						X	X	X	X	X	7
8														8
9	DUCT SMOKE DETECTORS			X	X									9
10	FIRE SPRINKLER TAMPER SWITCH			X	X									10
11														11
12	FIRE ALARM AC POWER FAILURE			X	X									12
13	FIRE ALARM SYSTEM LOW BATTERY			X	X									13
14	FIRE ALARM SYSTEM OPEN CIRCUIT			X	X									14
15	FIRE ALARM SYSTEM GROUND FAULT			X	X									15
16	FIRE ALARM SYSTEM NOTIFICATION APPLIANCE CIRCUIT SHORT			X	X									16

NOTES:
 1. PER NFPA 72, FIGURE A.14.6.2.4.(9)
 2. THIS SEQUENCES OF OPERATIONS IS BASED ON THE FOLLOWING ZONES:
 ZONE 1 - FIS TENT AND JTB
 ZONE 2 - MODULE 1 AND MODULE 2
 ZONE 3 - SOUTH PUBLIC & STERILE AREAS*
 ZONE 4 - NORTH PUBLIC & STERILE AREAS*
 ZONE 5 - NOT USED
 ZONE 6 - NOT USED
 ZONE 7 - BAGGAGE HANDLING BUILDING AND BASEMENT

*NOTE: SEE SHEET FA002 FOR NORTH AND SOUTH AREA BOUNDARIES.

A1 FIRE ALARM - EXISTING SEQUENCE OF OPERATIONS

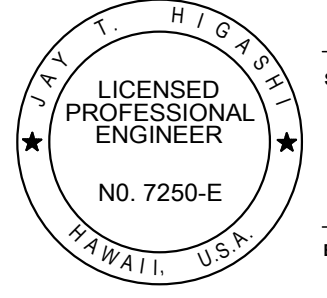
SC: NTS

Revised January 2014

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Airports Division
DEPARTMENT OF TRANSPORTATION
STATE OF HAWAII



J. T. Higuchi
SIGNATURE

NO. 7250-E
04-30-24
EXPIRATION DATE OF THE LICENSE

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DSGN.	DRWN.	CHKD.	APPD.
KMC	KMC	JTH	-

KEY PLAN / NOTES:

NO.	DATE	REVISIONS
-----	------	-----------

FINAL SUBMITTAL

PROJECT TITLE:

KONA INTERNATIONAL AIRPORT FIRE ALARM SYSTEM UPGRADE
KONA INTERNATIONAL AIRPORT
KALAOA, HAWAII

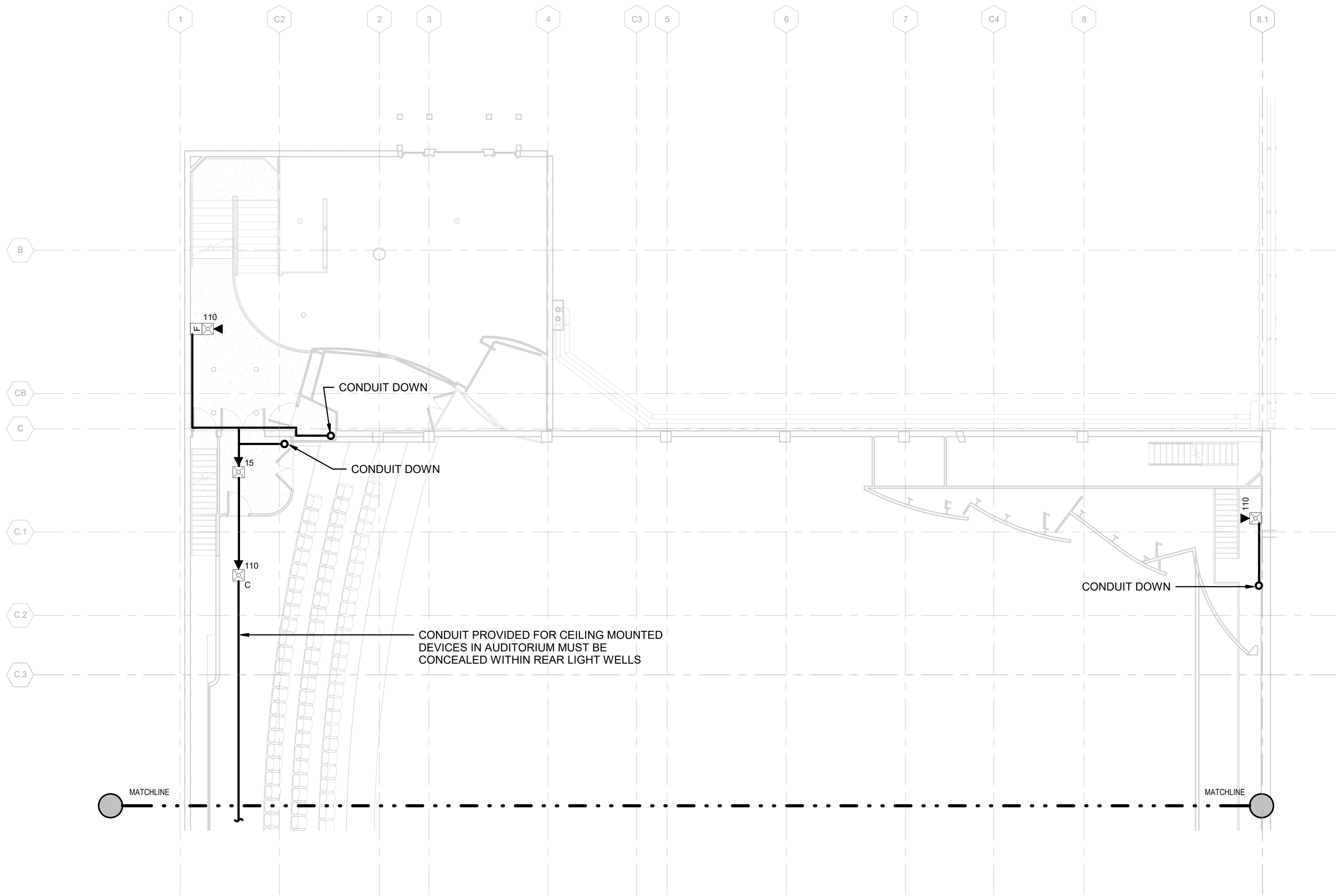
STATE PROJECT NO.:

AH2076-13

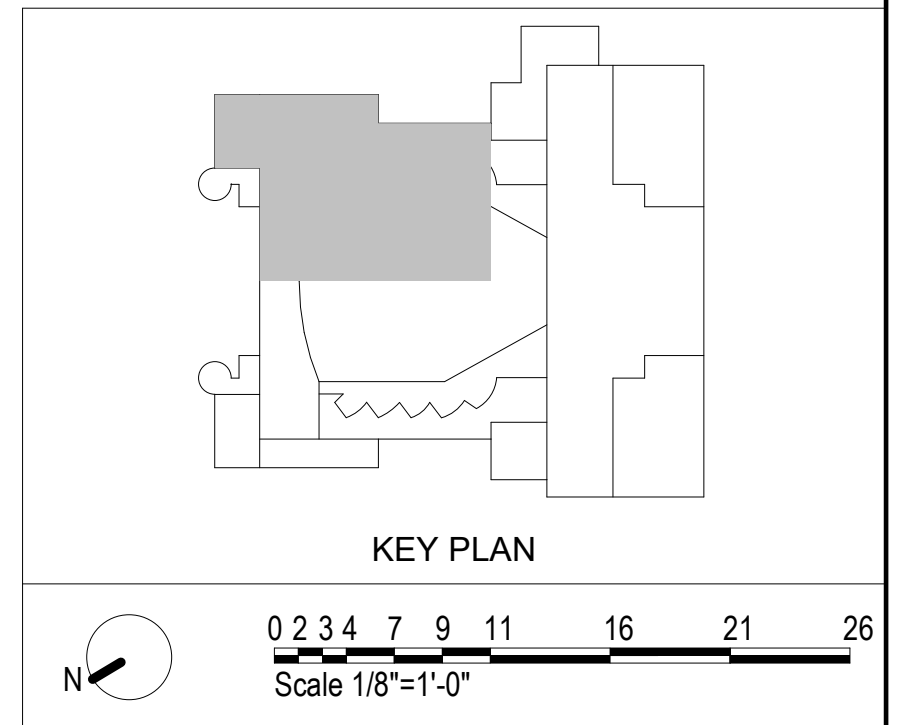
SHEET TITLE:

SEQUENCE OF OPERATIONS

DATE :	SHEET
2/20/23	FA502
DWG. NO. :	
27	OF 36 SHEETS

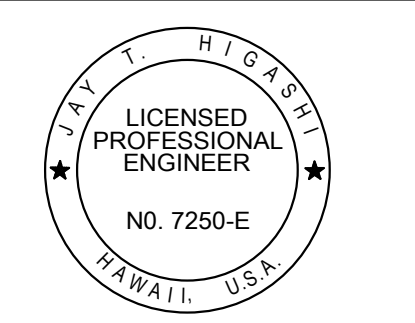


1 ENLARGED DIAMOND HEAD BALCONY FLOOR PLAN - FIRE ALARM
SCALE: 1/8" = 1'-0"



Rev	Date	Description	Rev Seq	Approved

COFFMAN ENGINEERS
745 Fort Street, Suite 400
Honolulu, HI 96813
ph 808.687.8884
www.coffman.com



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION.

LICENSE EXPIRES APRIL 30, 2024
CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AT JOB BEFORE PROCEEDING WITH WORK

DESIGNED BY: JTH DRAWN BY: KF
CHECKED BY: RTB DATE: 09/15/22
ACCEPTED: _____
Program Administrator,
Mechanical/Electrical Division

DEPARTMENT OF DESIGN AND CONSTRUCTION
CITY & COUNTY OF HONOLULU
**BLAISDELL CENTER REDEVELOPMENT
CONCERT HALL IMPROVEMENTS - BACK OF HOUSE**
777 Ward Ave, Honolulu, HI 96814 TAX KEY: 2-3-008-001,002,003
ENLARGED FLOOR PLAN - BALCONY - FIRE ALARM - DIAMOND HEAD MAUKA

PROJECT NO. VI-34-21-C
DRAWING NO.

A-FA5.09

SHEET NO. OF
FILE DRAW FOLDER

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LINE TYPE LEGEND	
EXISTING TO REMAIN	
NEW	



Airports Division
DEPARTMENT OF TRANSPORTATION
STATE OF HAWAII

LICENSED PROFESSIONAL ENGINEER
 NO. 15212-E
 HAWAII, U.S.A.

SIGNATURE:
 EXPIRATION DATE OF THE LICENSE: 04-30-24

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY SUPERVISION

DSGN.	DRWN.	CHKD.	APPD.
DL	DL	JBD	XXX

KEY PLAN / NOTES:

NO.	DATE	REVISIONS

NO. DATE REVISIONS

FINAL SUBMITTAL

PROJECT TITLE:

KONA INTERNATIONAL AIRPORT FIRE ALARM SYSTEM UPGRADE
KONA INTERNATIONAL AIRPORT
KALAOA, HAWAII

STATE PROJECT NO.:

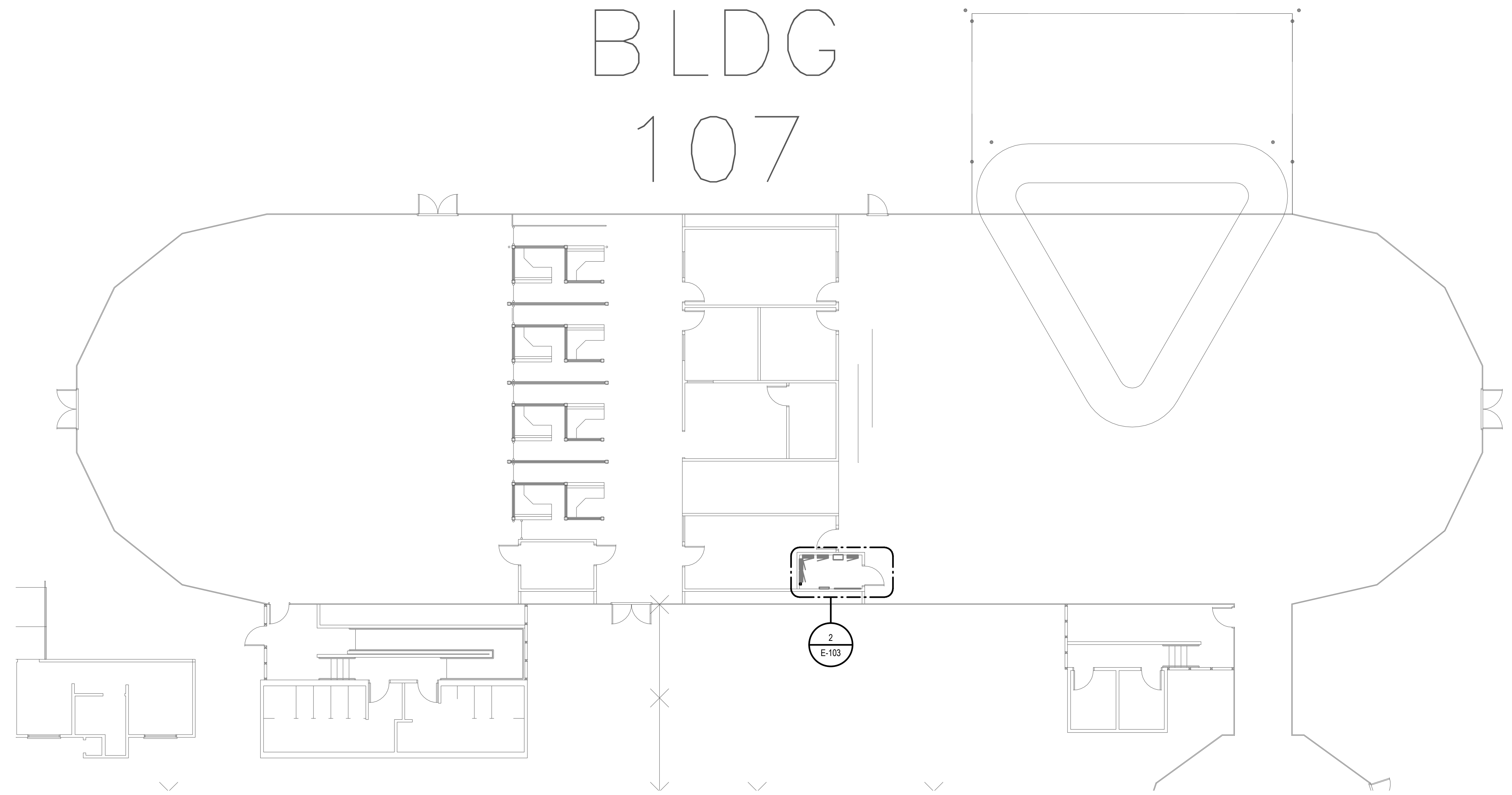
AH2076-13

SHEET TITLE:

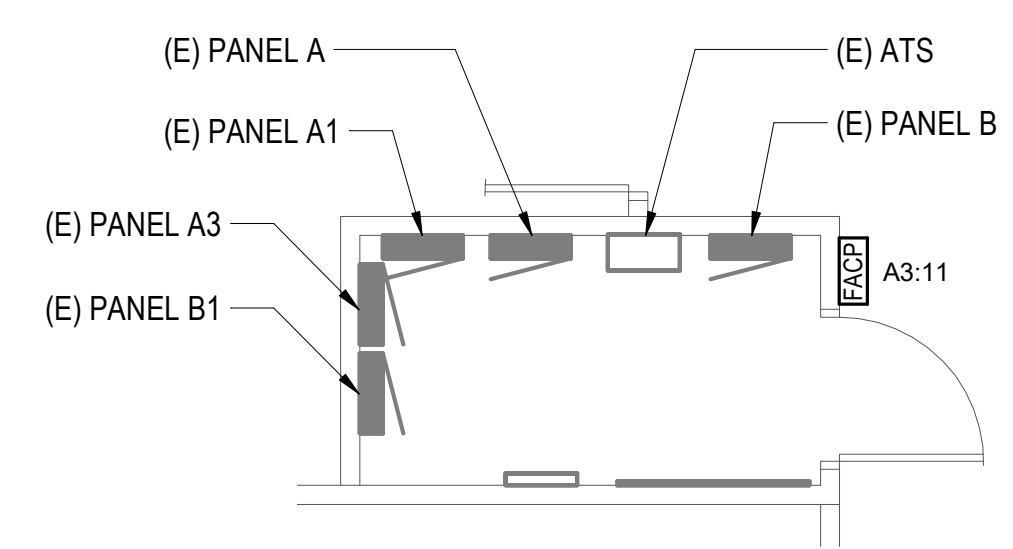
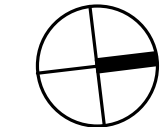
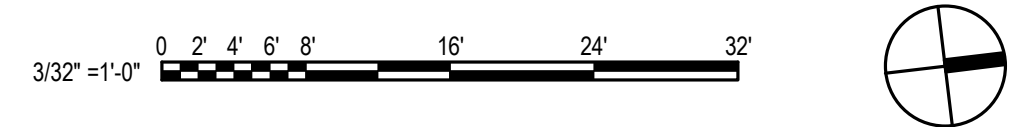
ENLARGED IMMIGRATIONS BLDG POWER PLAN

DATE :	02/20/23	SHEET	E-103
DWG. NO. :	34	OF 36 SHEETS	

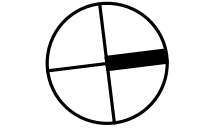
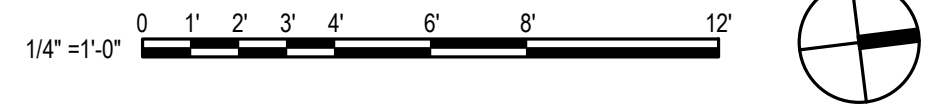
BLDG 107



1 ENLARGED IMMIGRATIONS BLDG POWER PLAN
3/32" = 1'-0"



2 ENLARGED IMMIGRATIONS BLDG ELECTRICAL ROOM
1/4" = 1'-0"



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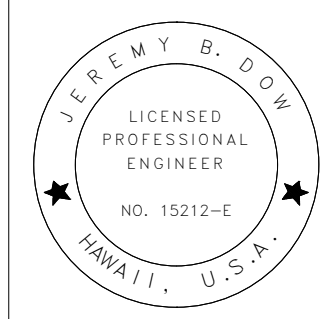
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KEYNOTE LEGEND - NEW	
KEY VALUE	KEYNOTE TEXT
P1	PROVIDE FIBER CONNECTION BACK TO ADMIN BUILDING.



Airports Division
DEPARTMENT OF TRANSPORTATION
STATE OF HAWAII



SIGNATURE
Jeremy B. D.W.

04-30-24
EXPIRATION DATE OF THE LICENSE

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DSGN.	DRWN.	CHKD.	APPD.
DL	DL	JBD	XXX

KEY PLAN / NOTES:

NO.	DATE	REVISIONS

NO. DATE REVISIONS

FINAL SUBMITTAL

PROJECT TITLE:

KONA INTERNATIONAL AIRPORT FIRE ALARM SYSTEM UPGRADE
KONA INTERNATIONAL AIRPORT
KALAOA, HAWAII

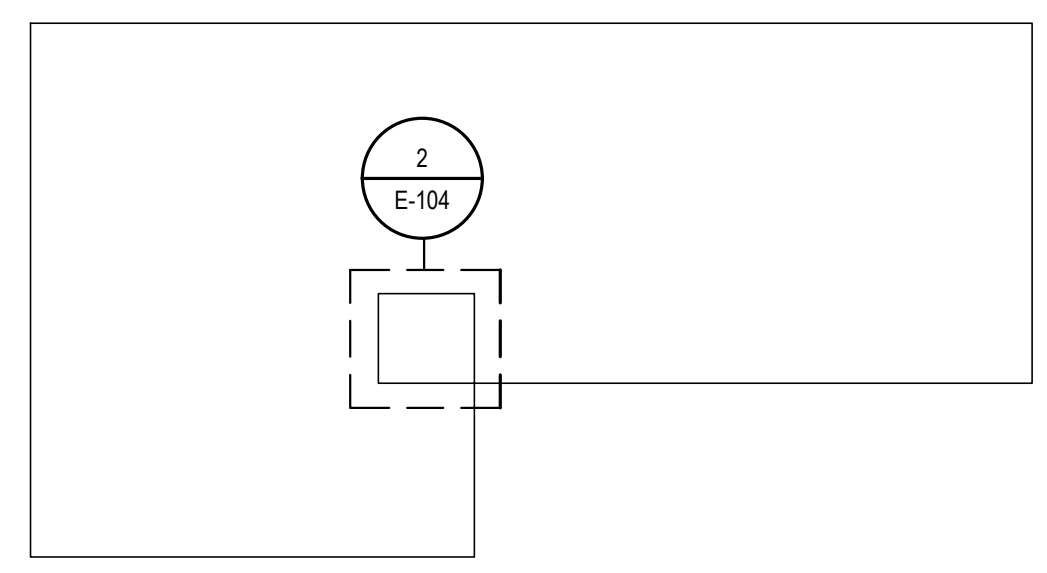
STATE PROJECT NO.:

AH2076-13

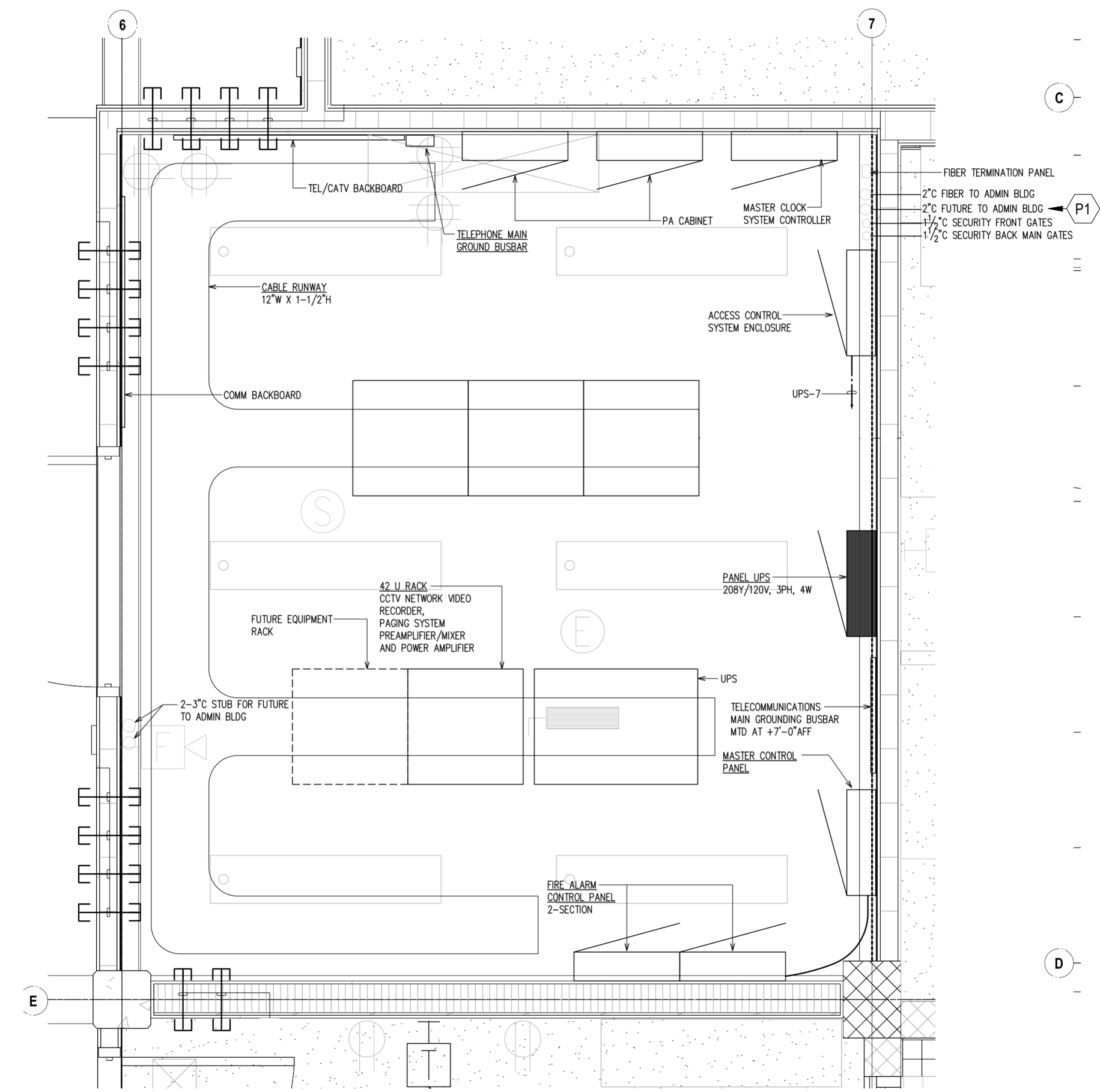
SHEET TITLE:

ENLARGED ARFF BLDG

DATE :	02/20/23	SHEET E-104 OF 36 SHEETS
DWG. NO. :	35	



1 ENLARGED ARFF BLDG
NTS



2 ENLARGED COMM ROOM 140
NTS

Revised January 2014

1/11/2016 10:45:44 AM
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