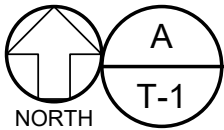




AREA OF WORK



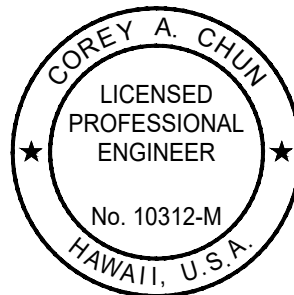
SITE PLAN

SCALE: NOT TO SCALE

FIRE PUMP REPAIRS - LANAI AIRPORT

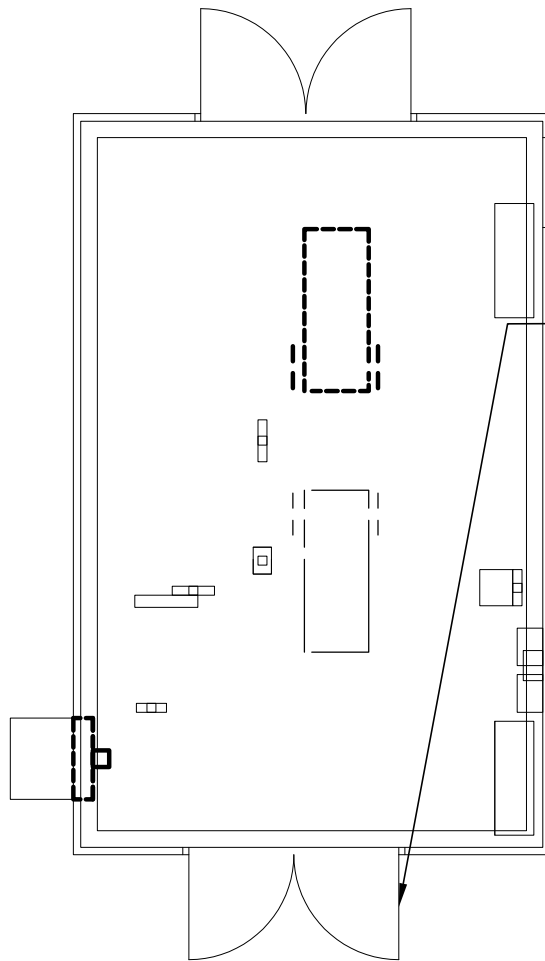
STATE OF HAWAII DEPARTMENT
OF TRANSPORTATION AIRPORTS

Job No.: CM4521-43

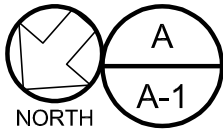


Corey A. Chun
 04/30/2026
 Licensed Expiration Date
 This work was prepared by me
 or under my supervision.

Sketch No. SKT-1



REPLACE EXISTING LOCKSET WITH THE FOLLOWING:
 SARGENT MORTISE LOCKSET WITH LEVER, 8255, SATIN STAINLESS STEEL FINISH, WITH MEDECO CORE, "DO NOT DUPLICATE" KEY. COORDINATE WITH STATE FOR KEYING INSTRUCTION. FIELD VERIFY EXISTING CONDITIONS AND COORDINATE INSTALLATION OF DOOR HARDWARE TO SUIT OPENING CONDITIONS. KEYING SYSTEM SHALL BE FACTORY REGISTERED, COMPLYIGN WITH GUIDELINES IN BHMA A156.28, PROVIDE THREE EXTRA KEYS FOR LOCK.



FLOOR PLAN

SCALE: 3/16" = 1'-0"

FIRE PUMP REPAIRS - LANAI AIRPORT

STATE OF HAWAII DEPARTMENT
 OF TRANSPORTATION AIRPORTS

Sketch No. SKA-1

Job No.: CM4521-43

Page 2 of 10

PLUMBING EQUIPMENT SCHEDULE:

FIRE PUMP:

PUMP SHALL BE FM APPROVED AND UL LISTED. PROVIDE 125 LB A.S.A. FLANGES ON SUCTION AND DISCHARGE CONNECTIONS. PROVIDE PUMP WITH FLUSH LINES TO BOTH PUMP GLANDS. PROVIDE AIR RELEASE VALVE TOP OF PUMP CASING. PROVIDE PRESSURE GAUGES ON SUCTION AND DISCHARGE FLANGES. PROVIDE SUCTION AND DISCHARGE ALONG COMMON CENTERLINE. EXIST DISTANCE TO REMAIN BETWEEN SUCTION AND DISCHARGE FLANGES IS 28".

MAINTENANCE SCHEDULE:

WEEKLY: TEST RUN THE PUMP

MONTHLY: CHECK BEARING HOUSING TEMPERATURE, CHECK THE STUFFING BOX LEAK RATE, CHECK COUPLING GUARD BOLTS AND TIGHTEN, CHECK FOR UNUSUAL NOISE/VIBRATION, CHECK PUMP AND PIPING FOR LEAKS

BI ANNUAL: CHECK PUMP/DRIVE ALIGNMENT, CHECK BEARING GREASE, CHECK ANCHOR BOLTS AND TIGHTEN

ANNUAL: LUBRICATE BEARINGS, CHECK PUMP SHAFT END PLAY, CHECK IMPELLER ASSEMBLY FOR WEAR, TEST PUMP AGAINST PERFORMANCE CURVE

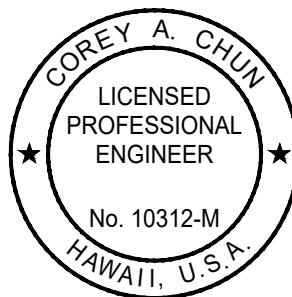
EQUIPMENT AND MAINTENANCE SCHEDULE BASED ON AC FIRE PUMP. COORDINATE ACTUAL POWER REQUIREMENTS WITH ELECTRICAL DRAWINGS.

NO.	MODEL NO.	GPM	TOTAL HD (FT)	SUCTION SIZE (IN)	DISCHARGE SIZE (IN)	EFF (%)	ELECTRICAL 460V/3Ø/60HZ	
							HP	RPM
FP 2	AC FIRE PUMP MODEL 8100 SIZE 8X6X12F-S OR APPROVED EQUAL	1000	116	8	6	83	40	1750

FIRE PUMP REPAIRS - LANAI AIRPORT

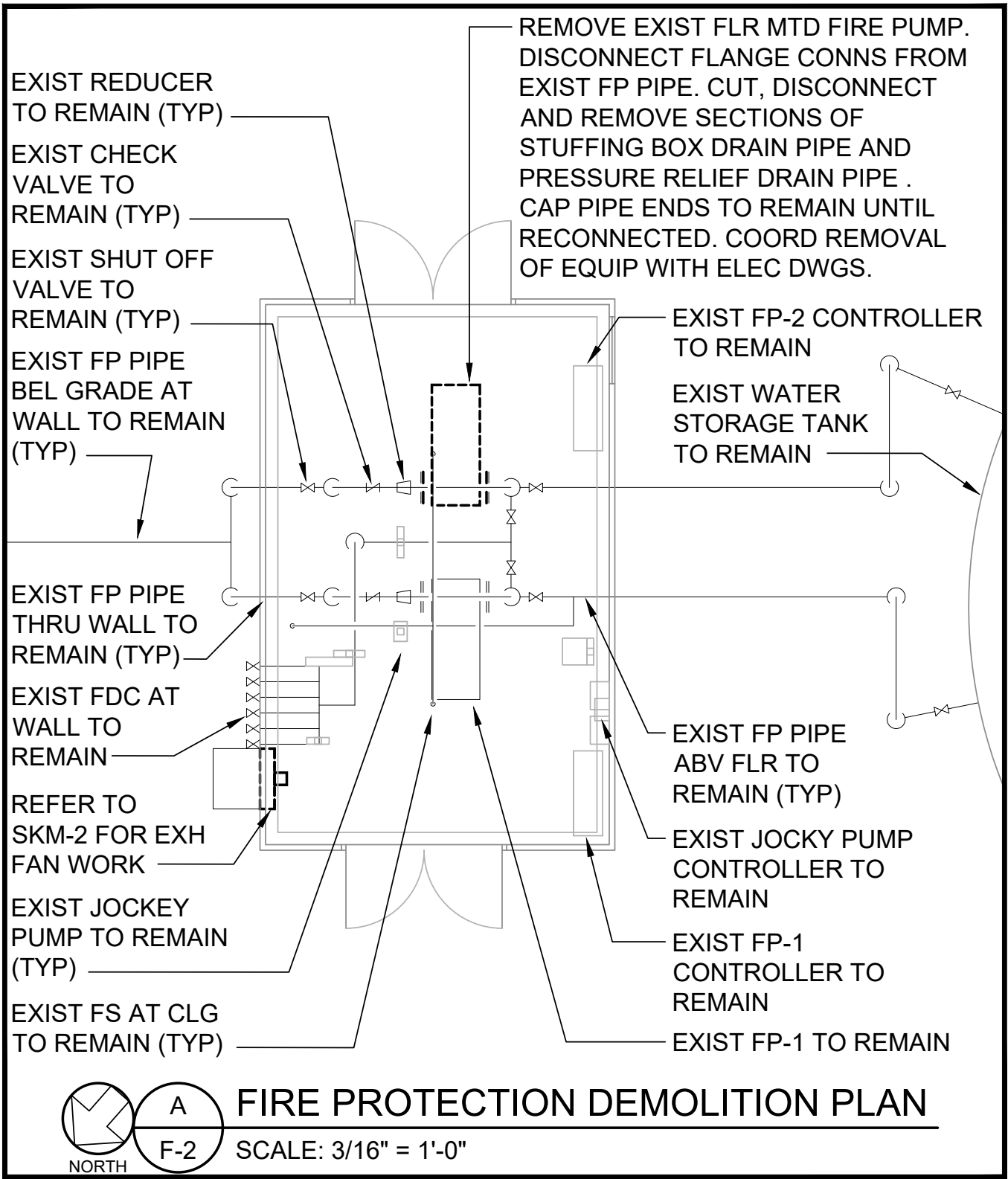
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION AIRPORTS

Job No.: CM4521-43



[Signature]
 04/30/2026
 Licensed Expiration Date
 This work was prepared by me or under my supervision.

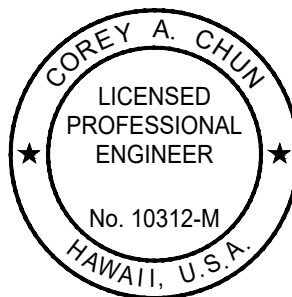
Sketch No. SKF-1



FIRE PUMP REPAIRS - LANAI AIRPORT

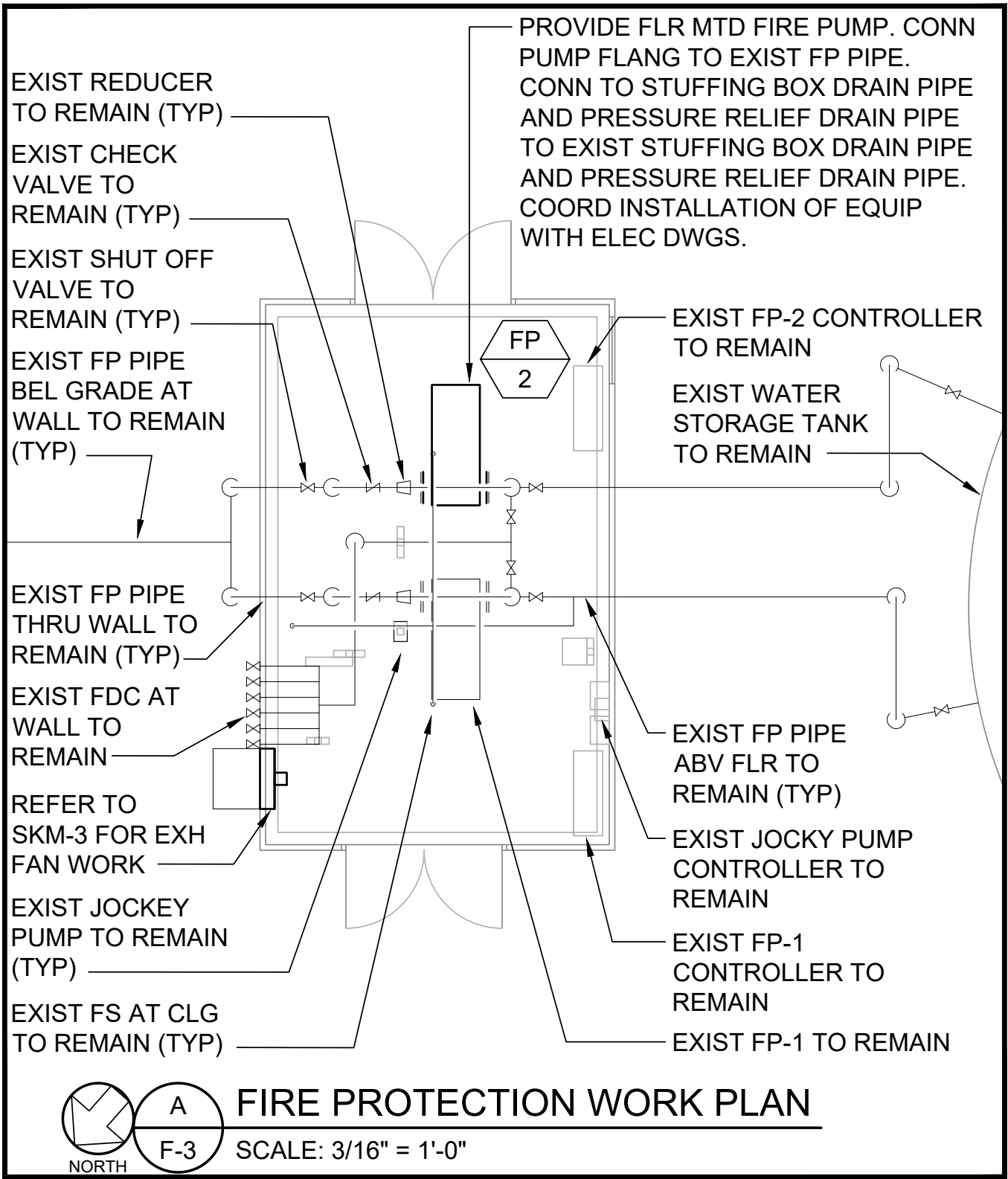
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION AIRPORTS

Job No.: CM4521-43



[Signature]
 04/30/2026
 Licensed Expiration Date
 This work was prepared by me or under my supervision.

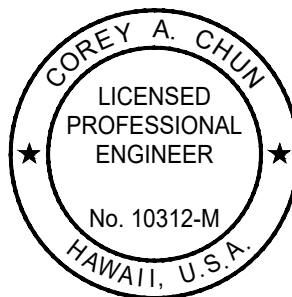
Sketch No. SKF-2



FIRE PUMP REPAIRS - LANAI AIRPORT

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION AIRPORTS

Job No.: CM4521-43



[Signature]
 04/30/2026
 Licensed Expiration Date
 This work was prepared by me or under my supervision.

Sketch No. SKF-3

MECHANICAL EQUIPMENT SCHEDULE:

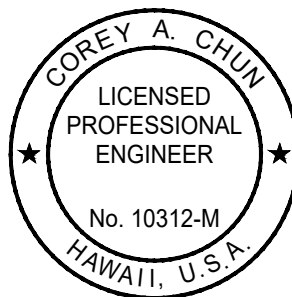
EXHAUST FAN: EQUIPMENT SCHEDULE IS BASED ON FANTECH EXH FAN.
COORDINATE ACTUAL POWER REQUIREMENTS WITH ELECTRICAL DRAWINGS.

NO.	MODEL NO.	CFM	DRIVE	ELECTRICAL	
				115V/1Ø/60HZ	RPM
<div style="border: 1px solid black; padding: 2px; display: inline-block;"> EF 1 </div>	FANTECH MODEL 2SHE24B1W OR APPROVED EQUAL	3992	DIRECT	1/4	1150

FIRE PUMP REPAIRS - LANAI AIRPORT

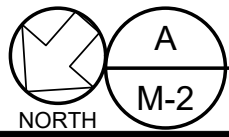
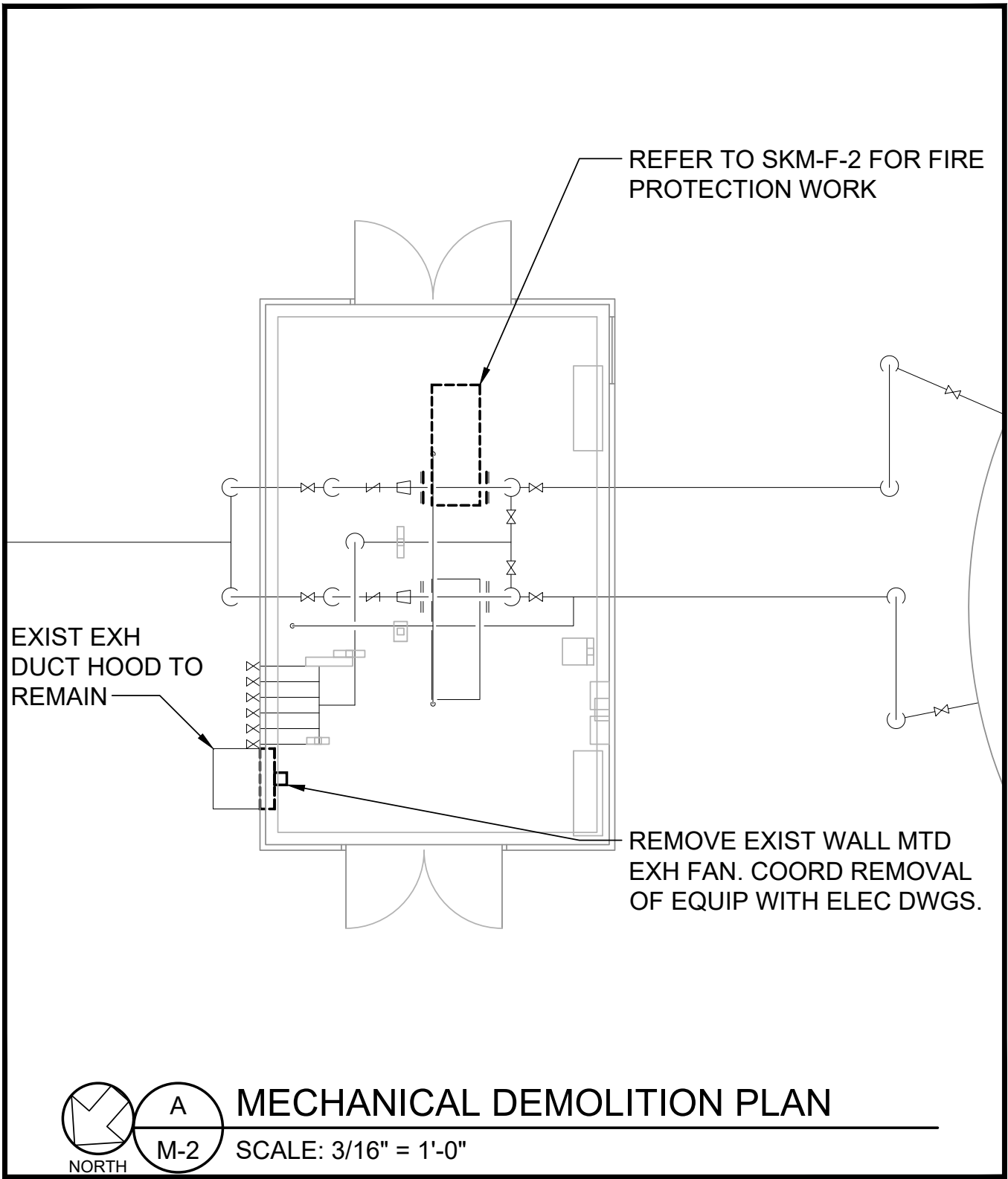
STATE OF HAWAII DEPARTMENT
OF TRANSPORTATION AIRPORTS

Job No.: CM4521-43



[Signature]
 04/30/2026
 Licensed Expiration Date
 This work was prepared by me
 or under my supervision.

Sketch No. SKM-1



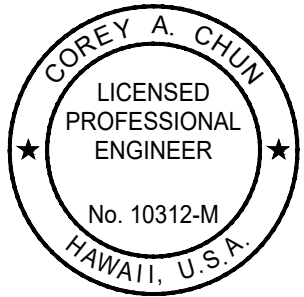
MECHANICAL DEMOLITION PLAN

SCALE: 3/16" = 1'-0"

FIRE PUMP REPAIRS - LANAI AIRPORT

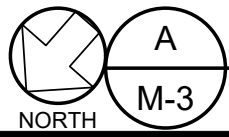
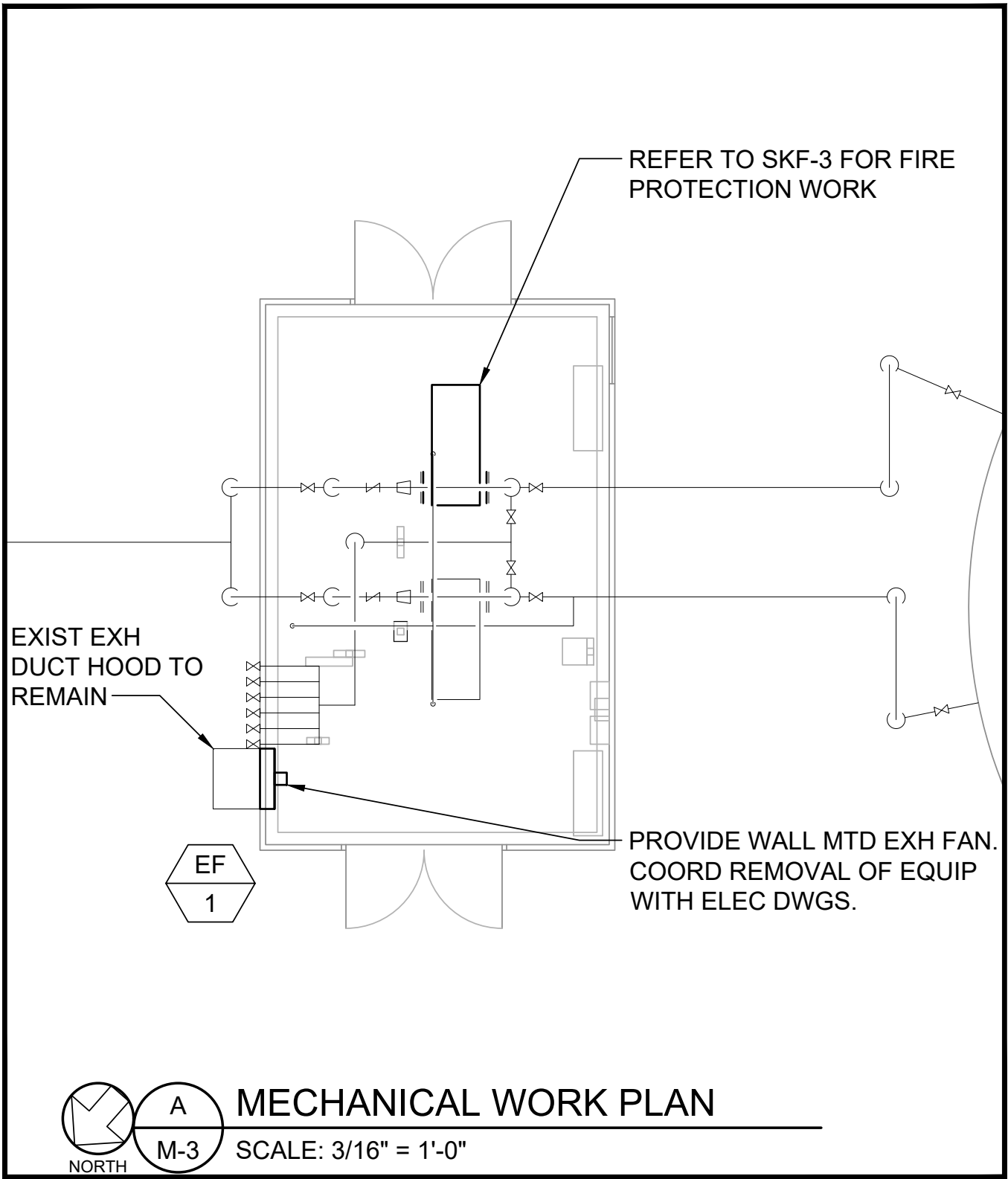
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION AIRPORTS

Job No.: CM4521-43



[Signature]
 04/30/2026
 Licensed Expiration Date
 This work was prepared by me or under my supervision.

Sketch No. SKM-2



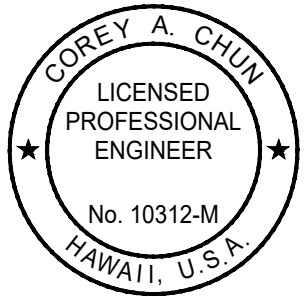
MECHANICAL WORK PLAN

SCALE: 3/16" = 1'-0"

FIRE PUMP REPAIRS - LANAI AIRPORT

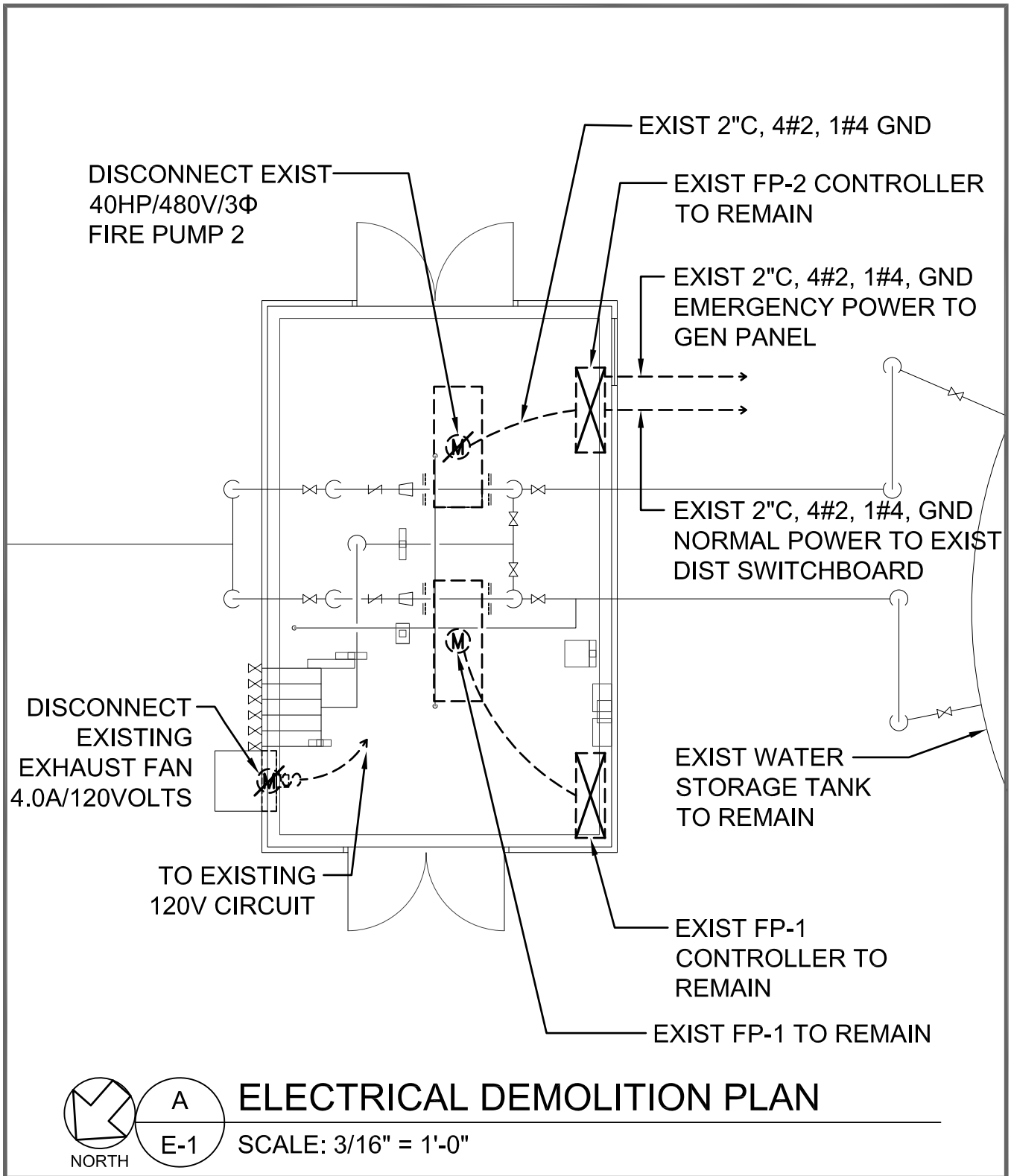
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION AIRPORTS

Job No.: CM4521-43



Corey A. Chun
 04/30/2026
 Licensed Expiration Date
 This work was prepared by me or under my supervision.

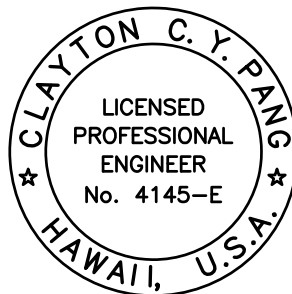
Sketch No. SKM-3



FIRE PUMP REPAIRS - LANAI AIRPORT

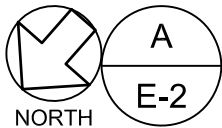
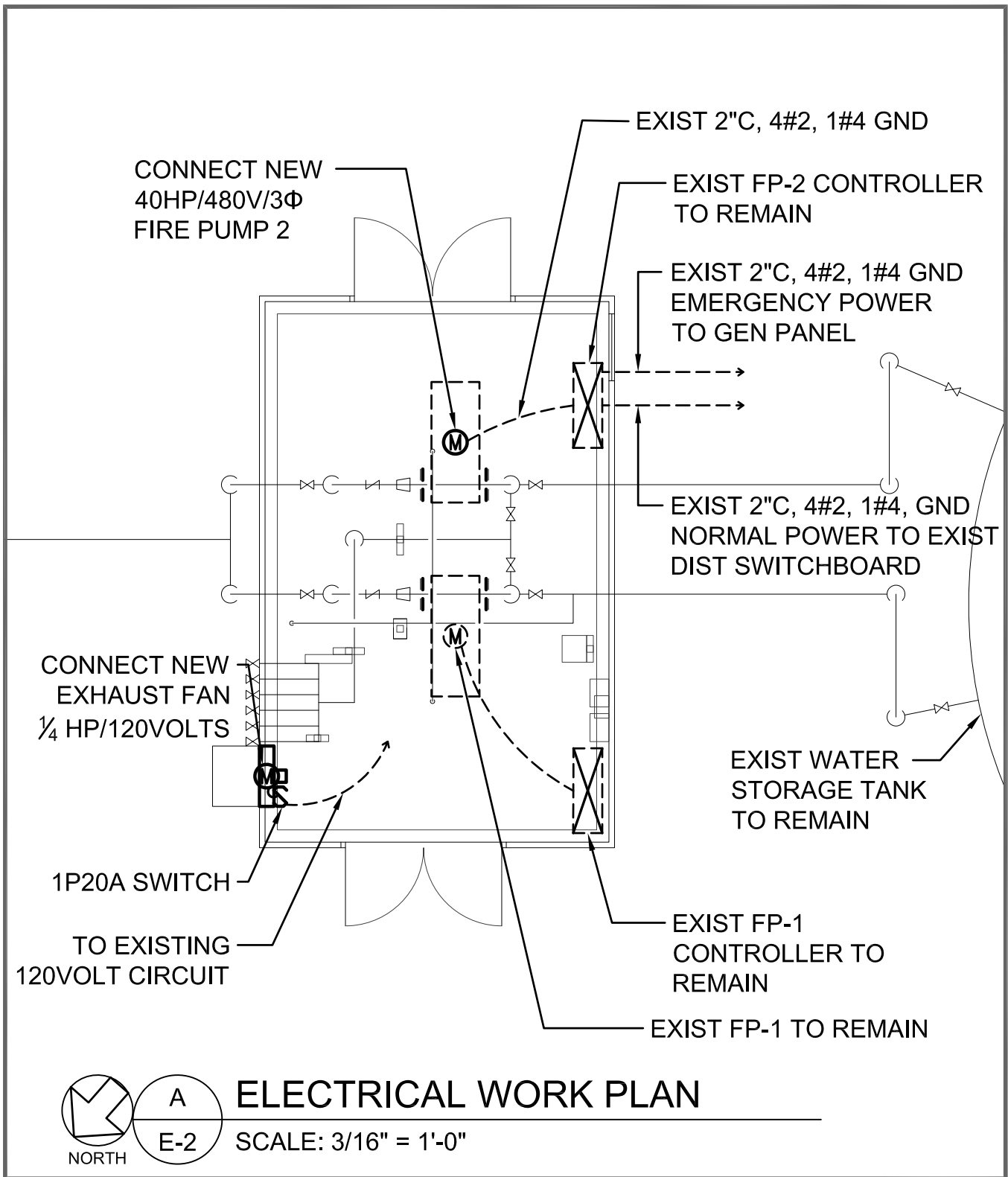
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION AIRPORTS

Job No.: CM4521-43



Clayton C. Y. Pang
 04/30/2026

Licensed Expiration Date
 This work was prepared by me or under my supervision.



ELECTRICAL WORK PLAN

SCALE: 3/16" = 1'-0"

FIRE PUMP REPAIRS - LANAI AIRPORT

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION AIRPORTS



Clayton C. Y. Pang
 04/30/2026

Licensed Expiration Date
 This work was prepared by me or under my supervision.