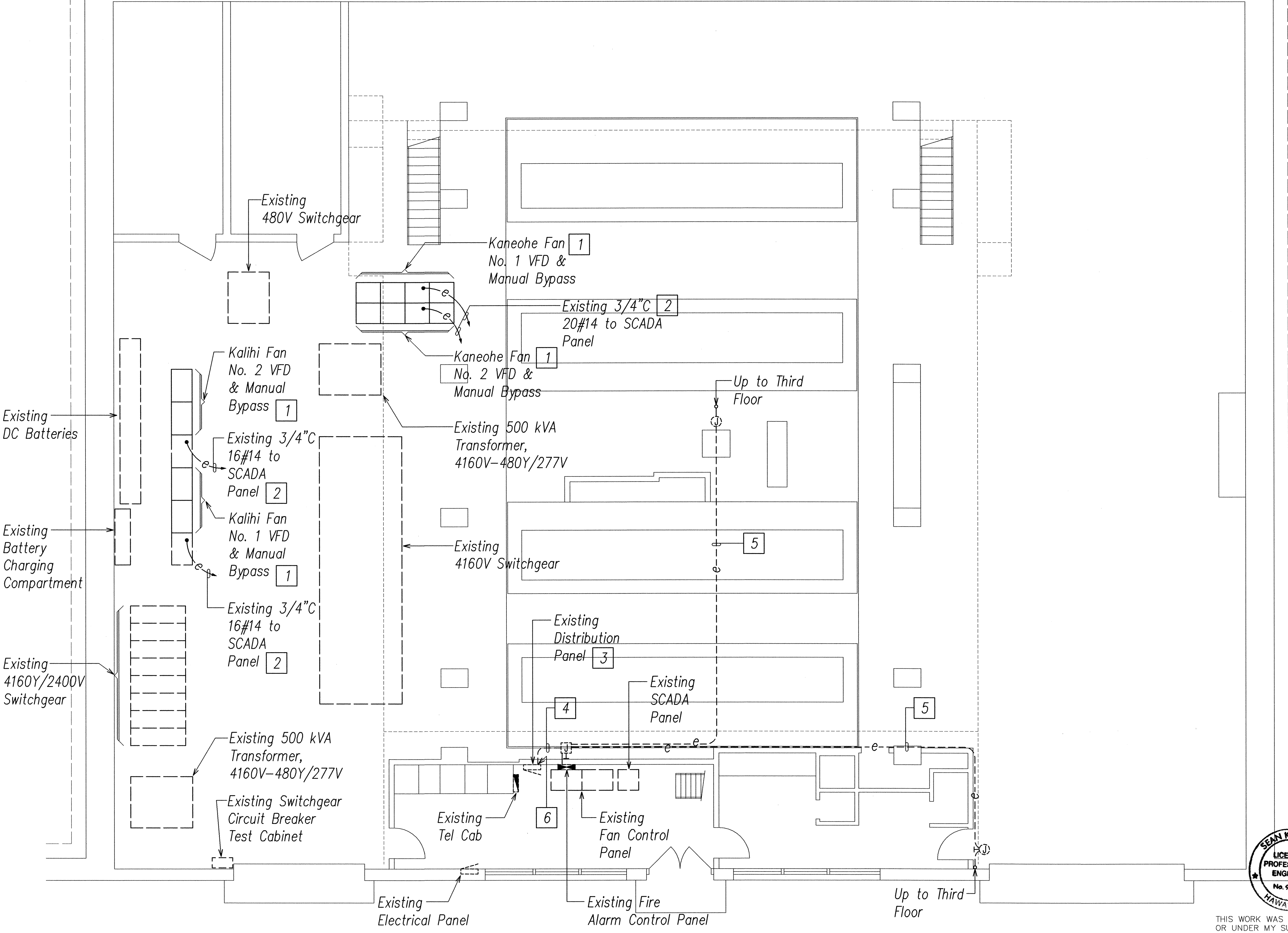


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-063-1(22)	2003	53	69

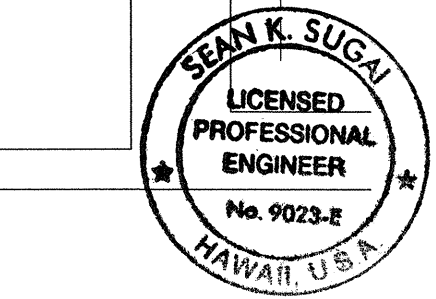
Notes:

- Dashed Line Symbol Denotes "Existing Item".
Solid Line Symbol Denotes "New Item".
- 1 Connect Existing Conductors to New VFD & Manual Bypass.
- 2 Connect Existing SCADA Conductors to New VFD & Manual Bypass. For Control Points to be Connected, See "SCADA Connection Points" on Sheet E-1.
- 3 Provide 2-1P20A Circuit Breakers in PFB Spaces #8 & #10 for New Loads. Ensure that Circuit Breakers are Compatible with Existing Panel.
- 3/4"C, 3#12.
- Route 2#12 in Existing 3/4" Conduit with Existing Fire Alarm Conductors for Mechanical Control Panel.
- Penetrate Existing Concrete Wall for Conduit Installation; Patch to Match Adjacent Finish.



GROUND FLOOR ELECTRICAL PLAN
SCALE: 3/16"=1'-0"

4' 2' 0' 4' 8' 12'
SCALE: 3/16"=1'-0"
GRAPHIC SCALE



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

Signature: *Sean K. Suga*
Date: 4/22/03
April 30, 2004
EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII

DEPARTMENT OF TRANSPORTATION

HIGHWAYS DIVISION

GROUND FLOOR ELECTRICAL PLAN

LIKELIKE HIGHWAY

Wilson Tunnel Improvements

Leak and Crack Remediation

F. A. Project No. STP-063-1(22)

Scale: As Noted

Date: April 24, 2003

SHEET No. E-6 OF 17 SHEETS

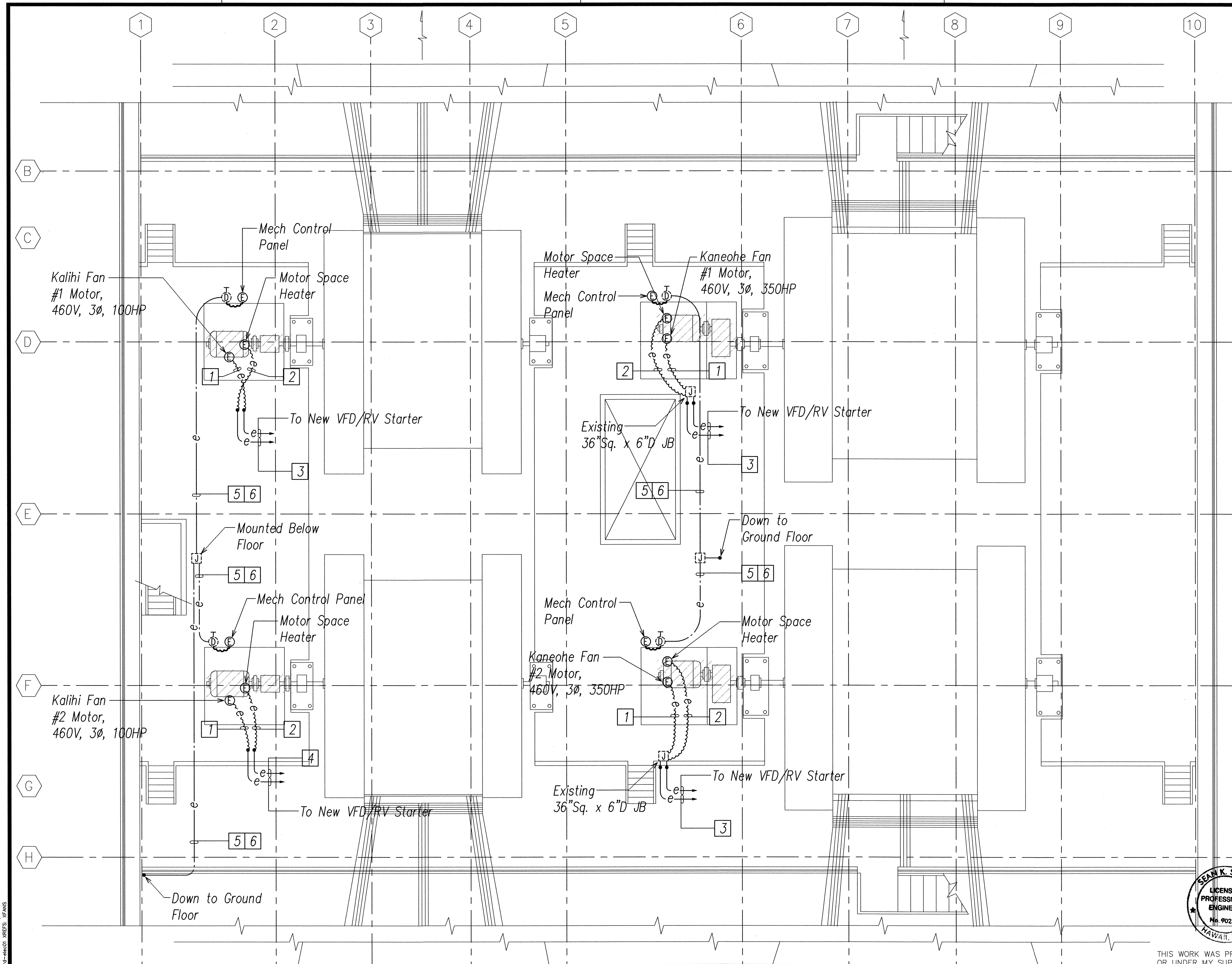
ORIGINAL PLAN	DATE
DESIGNED BY	
TRACED BY	
NOTE BOOK	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
No.	

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FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-063-1(22)	2003	54	69

Notes:

- Dashed Line Symbol Denotes "Existing Item". Solid Line Symbol Denotes "New Item".
- 1 Connect Existing Conductors to New Fan Motor.
- 2 Connect Existing Conductors to New Motor Space Heater.
- Existing 3/4"C, 2#12, 1#12 Gnd to Panel "PP1" in MCC Bus No. 1 via Aux Contacts in Associated Starter/Controller.
- Existing 3/4"C, 2#12, 1#12 Gnd to Panel "PP2" in MCC Bus No. 2 via Aux Contacts in Associated Starter/Controller.
- Route 2#12 in Existing 3/4" Conduit with Existing Fire Alarm Conductors for Mechanical Control Panel.
- Existing Conduit Routed Exposed Below Concrete Floor.



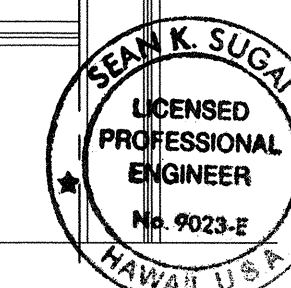
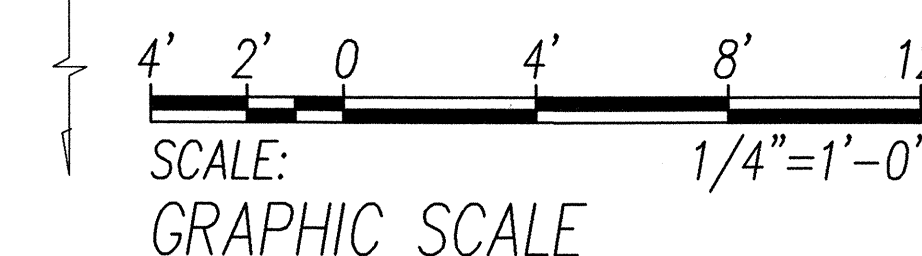
DATE	_____
SURVEY PLOTTED BY	_____
DRAWN BY	_____
DESIGNED BY	_____
QUANTITIES BY	_____
CHECKED BY	_____
ORIGINAL PLAN	_____
NOTE BOOK	_____
No.	_____

LAST SAVE: 04/22/03 @ 15:02:29 BY: BD PLOT SC: 1/4"=1'-0"
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THIRD FLOOR ELECTRICAL PLAN

SCALE: 1/4"=1'-0"



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

Signature: *Sean K. Sugai* April 30, 2004
 EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII

DEPARTMENT OF TRANSPORTATION

HIGHWAYS DIVISION

THIRD FLOOR

ELECTRICAL PLAN

LIKELIKE HIGHWAY

Wilson Tunnel Improvements

Leak and Crack Remediation

F. A. Project No. STP-063-1(22)

Scale: As Noted Date: April 24, 2003

SHEET No. E-7 OF 17 SHEETS

