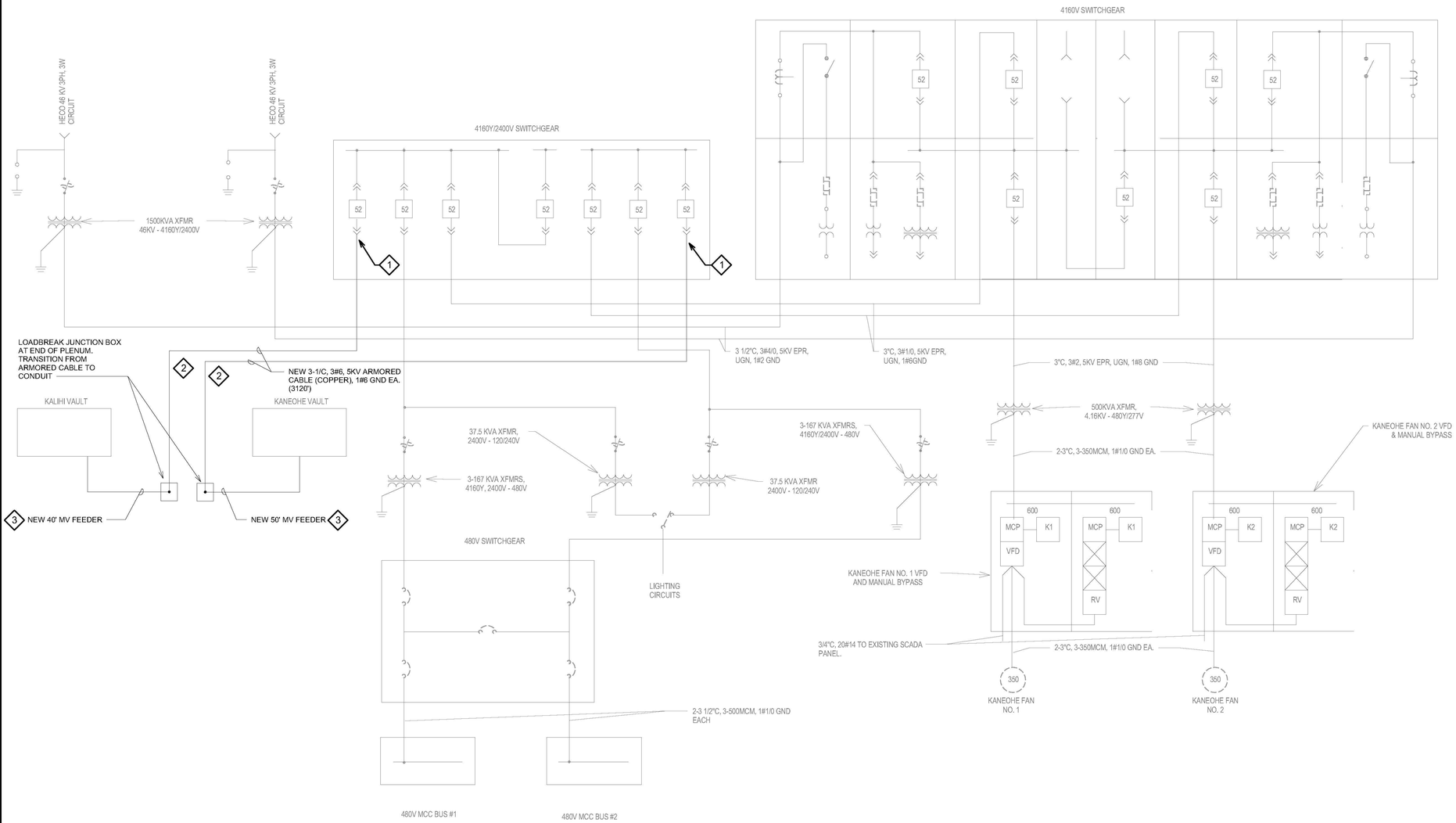
HIGHWAY DIST. NO.	STATE	HIGHWAY PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-OT-SMP-01	2022	E16	19



1 MV ONE-LINE DIAGRAM

N.T.S.

SHEET NOTES:

1. CONNECT MEDIUM VOLTAGE CABLES TO EXISTING BREAKERS IN EXISTING SWITCHGEAR. PROVIDE NEW CABLE TRAY FROM TOP OF SWITCHGEAR TO THE VENT BUILDING VERTICAL SHAFT. SECURE CABLE TRAY TO THE UNDERSIDE OF THE 2ND FLOOR.
2. ROUTE CABLES ALONG PLENUM FLOORS, REFER TO SHEET E12. TOTAL ARMORED CABLE LENGTH IS APPROXIMATELY 3120 FEET.
3. ROUTE CABLES THROUGH PLENUM AND INTO PORTAL BUILDINGS. SEE SHEETS E17 AND E18 FOR PORTAL BUILDING ONE-LINE DIAGRAMS. WHERE POSSIBLE, REUSE THE ABANDONED CONDUIT PENETRATIONS AT THE ENDS OF THE PLENUMS AND PORTAL BUILDINGS.
4. WIRE SIZES ARE MINIMUM.

		DATE
SURVEY PLOTTED BY		
DRAWN BY		
TRACED BY		
DESIGNED BY		
QUANTITIES BY		
CHECKED BY		

ORIGINAL PLAN

NOTE BOOK No.

DRAWING NAME: C:\Users\zachary.cowan\Documents\220255 Wilson Tunnel E R21 zachary.cowan.rvt PLOT TIME: 9/15/2022 2:48:29 PM

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

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

SIGNATURE — EXPIRATION DATE OF THE LICENSE 4-30-24

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

MV ONE-LINE DIAGRAM

LIKELIKE HIGHWAY
WILSON TUNNEL ELECTRICAL IMPROVEMENTS
HWY-OT-SMP-01

Scale: N.T.S. Date:

SHEET No. E16 OF 19 SHEETS