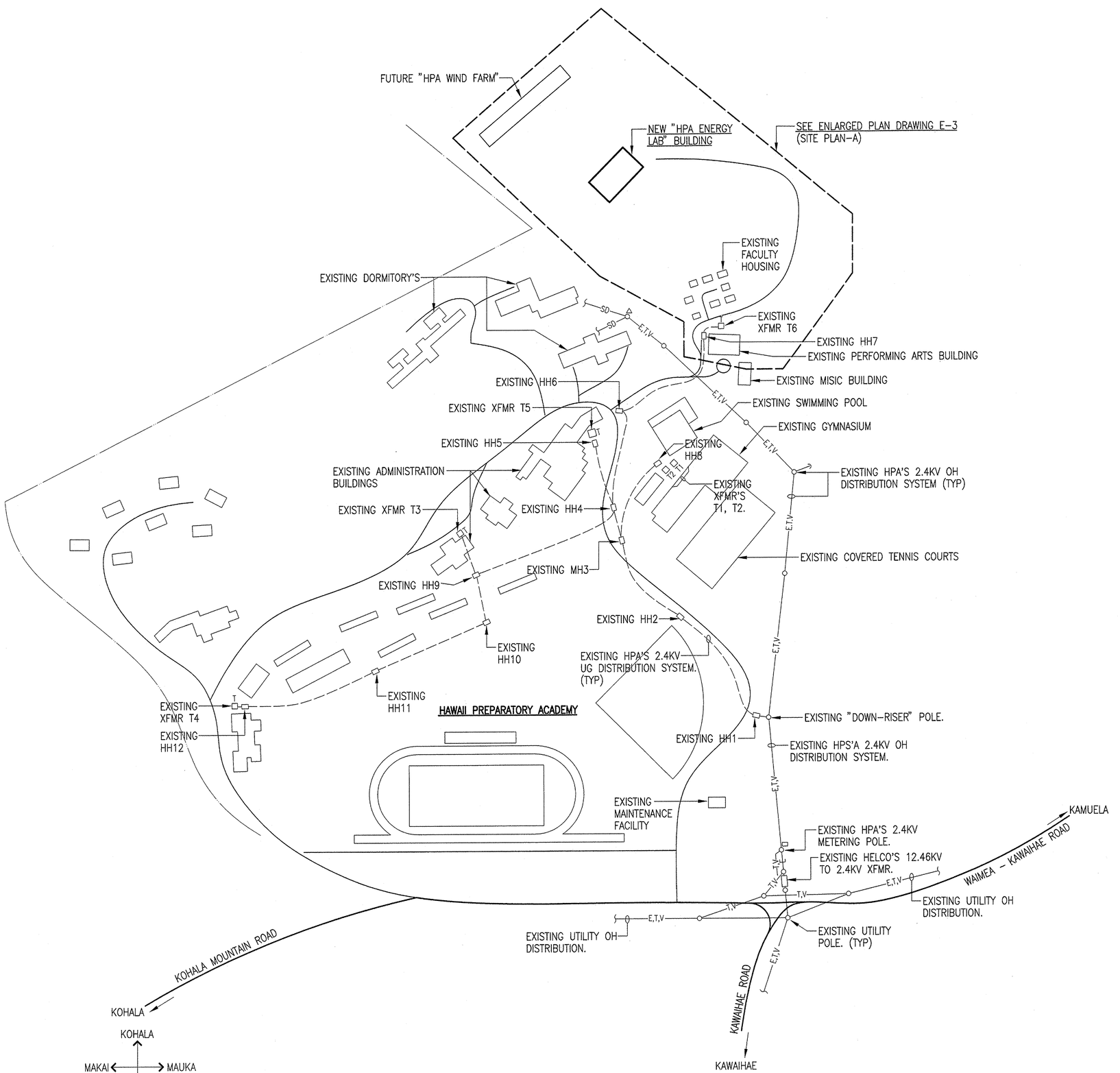
ELECTRICAL PLAN SYMBOLS

*	* – EQUIPMENT AS IDENTIFIED
	PANELBOARD
	MOTOR CONTROLLER – COMBINATION OR STARTER ONLY AS IDENTIFIED
	DISCONNECT SWITCH, FUSED OR NON–FUSED AS IDENTIFIED
T	TRANSFORMER
S_M	MANUAL MOTOR CONTROLLER, HP RATED
S_{MD}	MANUAL MOTOR CONTROLLER, HP RATED, USED FOR MOTOR DISCONNECT, EQUIPPED W/LOCK–OUT PROVISIONS.
	EMBEDDED CONDUIT, BELOW FLOOR SLAB, EXTERIOR FINAL GRADE
	CONCEALED WIRING IN CEILING OR WALL. WHERE USED, HASH LINES INDICATE QTY OF WIRES
SR	SURFACE RACEWAY
	FLEXIBLE METAL CONDUIT, LIQUIDTIGHT WHERE REQUIRED OR INDICATED
HR, A1	HOMERUN AND CIRCUITING INDICATOR. HASH LINES=QTY. OF CONDUCTORS, A–PNLBD, 1–CIR. NO.
A1	CIRCUITING INDICATOR. HASH LINES = QTY. OF CONDUCTORS, A–PNLBD, 1–CIR. NO., (HOMERUN/HOMERUN GROUPINGS ARRANGED BY CONTRACTOR)
3 WALL, 3 FLOOR, 3 CEILING	DUPLEX RECEPTACLE OUTLET, 125 VOLT, SINGLE PHASE (3 = PANELBOARD CIRCUIT NUMBER)
	DUPLEX RECEPTACLE OUTLET, SPLIT WIRED
3	QUADRUPLEX (4) RECEPTACLE OUTLET, 125 VOLT, SINGLE PHASE (3 = PANELBOARD CIRCUIT NUMBER)
WP,L	DUPLEX RECEPTACLE WITH WEATHERPROOF, PAD–LOCKING COVER
3	SINGLE RECEPTACLE OUTLET, 125 VOLT, SINGLE PHASE (3 = PANELBOARD CIRCUIT NUMBER)
	250 VOLT RECEPTACLE OUTLET (RATING OR USE AS INDICATED)
	600 VOLT RECEPTACLE OUTLET (RATING OR USE AS INDICATED)
S_a S_{S2} S_3 S_4	LIGHTING SWITCH OUTLET [a = CONTROLLED LIGHTING FIXTURE(S)], S–SINGLE POLE, S2–DOUBLE POLE SINGLE THROW, S3–SINGLE POLE DOUBLE THROW, S4–DOUBLE POLE DOUBLE THROW
S_K	LIGHTING SWITCH OUTLET, KEY OPERATION
600W. S_D	LIGHTING DIMMER SWITCH OUTLET (600W = RATING)
S_{WP}	LIGHTING SWITCH OUTLET, WEATHER PROOF
S_{OS}	LIGHTING SWITCH OUTLET, SWITCH WITH OCCUPANCY SENSOR
3a	LIGHTING FIXTURE/OUTLETS, CEILING MOUNTED, INCANDESCENT, FLUORESCENT, OR HID, SURFACE OR RECESSED AS INDICATED. (a = SWITCH IDENT., 3 = CIR. NO.) (* = TYPE IDENT BY NUMBER)
	LIGHTING FIXTURE/OUTLET, WALL MOUNTED, INCANDESCENT, FLUORESCENT, OR HID, SURFACE OR FLUSH, AS INDICATED. (* = TYPE IDENT BY NUMBER)
	LIGHTING FIXTURE/OUTLET, CEILING MOUNTED, FLUORESCENT, EXPOSED LAMP (* = TYPE IDENT BY NUMBER)
	LIGHTING FIXTURE/OUTLET, WALL MOUNTED, FLUORESCENT, EXPOSED LAMP, (* = TYPE IDENT BY NUMBER)
	LIGHTING FIXTURE/OUTLET, CEILING MOUNTED, FLUORESCENT, ENCLOSED LAMP, SURFACE OR RECESSED, AS INDICATED. (* = TYPE IDENT BY NUMBER)
	LIGHTING FIXTURE/OUTLET, CEILING OR WALL MOUNTED; INCANDESCENT, FLUORESCENT, OR HID; SPOT OR FLOODLIGHT; ENCLOSED OR LAMPHOLDER; AS IDENTIFIED (* = TYPE IDENT BY NUMBER)
	LIGHTING STANDARD, POLE–TOP MOUNTED, CONCRETE BASE (* = TYPE IDENT BY NUMBER)
	TELEPHONE OUTLET, PRE–WIRED.
	TELEPHONE OUTLET, PRE–WIRED, WITH 3/4"C. HOMERUN.
3	TELEPHONE OUTLET, PRE–WIRED, WITH 3/4"C. CHASE INTO ACCESSIBLE CEILING SPACE ABOVE
	TELEPHONE OUTLET BOX WITH 3/4"C.O. STUBBED UP INTO ACCESSIBLE CEILING SPACE ABOVE
V	VIDEO OUTLET, PRE–WIRED.
V	VIDEO OUTLET, PRE–WIRED, WITH 3/4"C. HOMERUN.
3 V	VIDEO OUTLET, PRE–WIRED, WITH 3/4"C. CHASE INTO ACCESSIBLE CEILING SPACE ABOVE
V	VIDEO OUTLET BOX WITH 3/4"C.O. STUBBED UP INTO ACCESSIBLE CEILING SPACE ABOVE
D	DATA/COMPUTER TERMINAL OUTLET, PRE–WIRED.
D	DATA/COMPUTER TERMINAL OUTLET (4"SQ. MINIMUM), PRE–WIRED, WITH 1¼"C. HOMERUN.
3 D	DATA/COMPUTER TERMINAL OUTLET (4"SQ. MINIMUM), PRE–WIRED, WITH 1¼"C. CHASE INTO ACCESSIBLE CEILING SPACE ABOVE.
D	DATA/COMPUTER TERMINAL OUTLET BOX (4"SQ. MINIMUM), WITH 1¼"C.O. STUBBED INTO ACCESSIBLE CEILING SPACE ABOVE.
D/T	DATA/TELEPHONE TERMINAL OUTLET, PRE–WIRED.
D/T	DATA/ TELEPHONE TERMINAL OUTLET (4"SQ. MINIMUM), PRE–WIRED, WITH 1¼"C. HOMERUN.
3 D/T	DATA/TELEPHONE TERMINAL OUTLET (4"SQ. MINIMUM), PRE–WIRED, WITH 1¼"C. CHASE INTO ACCESSIBLE CEILING SPACE ABOVE.
D/T	DATA/TELEPHONE TERMINAL OUTLET BOX (4"SQ. MINIMUM), WITH 1¼"C.O. STUBBED INTO ACCESSIBLE CEILING SPACE ABOVE.
C	BATTERY OPERATED CLOCK
*	EQUIPMENT OR OTHER ELECTRICAL CONNECTION AS INDICATED
*	CONTROL DEVICE OR ITEM CONNECTION AS IDENTIFIED
M	MOTOR CONNECTION, ANY HP, VOLTAGE, PHASE
F 2 (M)	FIRE ALARM MANUAL INITIATING APPLIANCE (2 – IDENT. NO.)
F 2	FIRE ALARM INDICATING APPLIANCE (AUDIO) HORN (2 – IDENT. NO.) (M = MINI HORN)
F 3	FIRE ALARM INDICATING APPLIANCE (VISUAL) (3 – IDENT. NO.)
H 3	FIRE ALARM HEAT DETECTOR (3 – IDENT. NO.)
S 4	FIRE ALARM SMOKE DETECTOR (4 – IDENT. NO.)



ELECTRICAL PLAN – EXISTING 2.4 KV DISTRIBUTION SYSTEM

NOT TO SCALE
(NOTE: ONLY APPLICABLE ITEMS ARE INDICATED.)

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ALL ELECTRICAL WORK SHALL COMPLY TO CHAP. 9, HAWAII COUNTY CODE, AND INSTALLATION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE

WALLACE T. OKI LICENSED PROFESSIONAL ENGINEER 3539–E HAWAII

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

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WTO REF. NO. 82008149

ELECTRICAL WORK

Drawn by: -	Job Number: 2804.00
Checked by:	Scale: AS NOTED
Plot Date:	Issue Date: 17 OCT 08
PERMIT ISSUE	E-2