

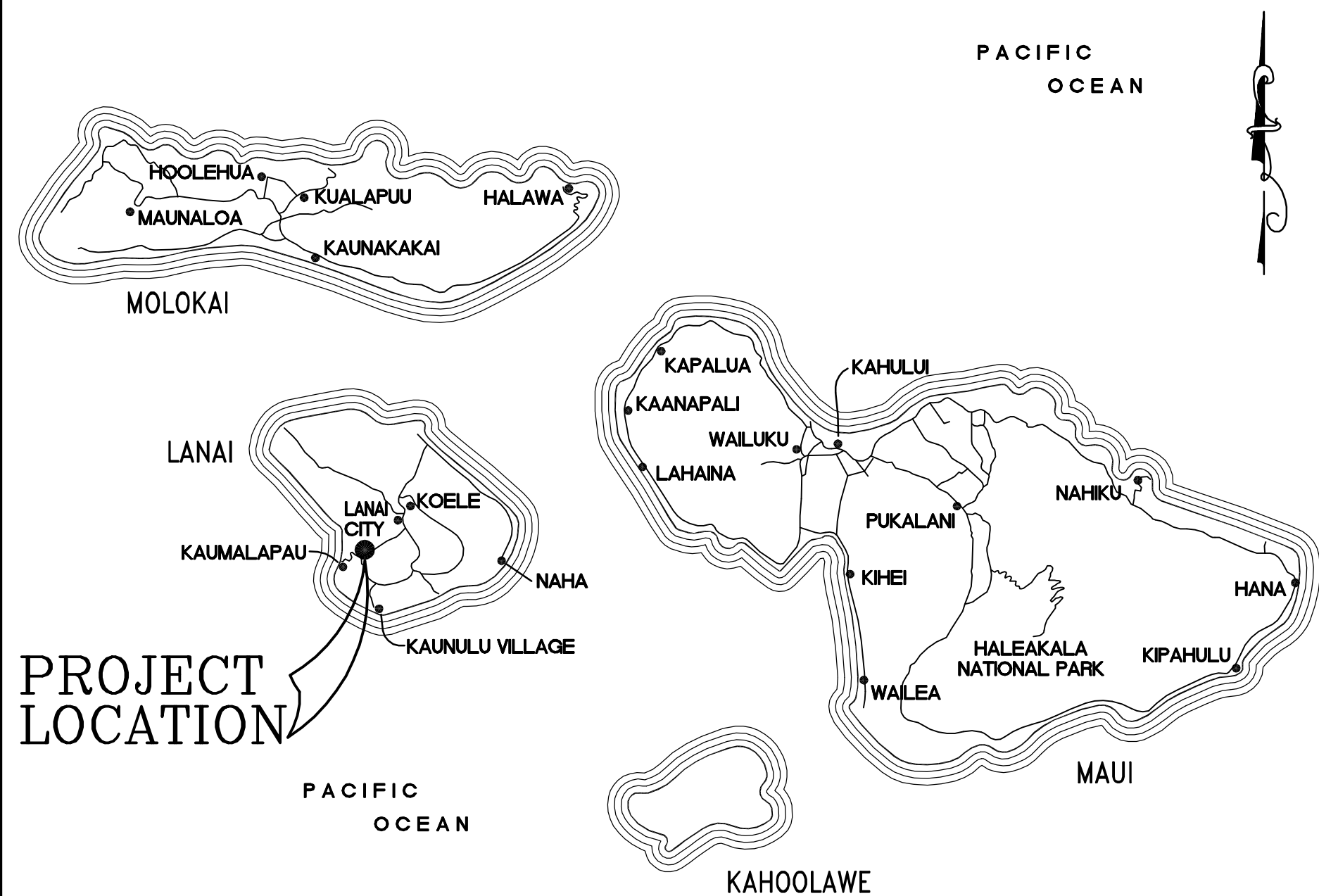
NEW PHOTOVOLTAIC SYSTEM

FOR

LANAI LANDFILL

KAUMALAPAU HWY. (HWY 440)
LANAI CITY, LANAI, HAWAII 96763

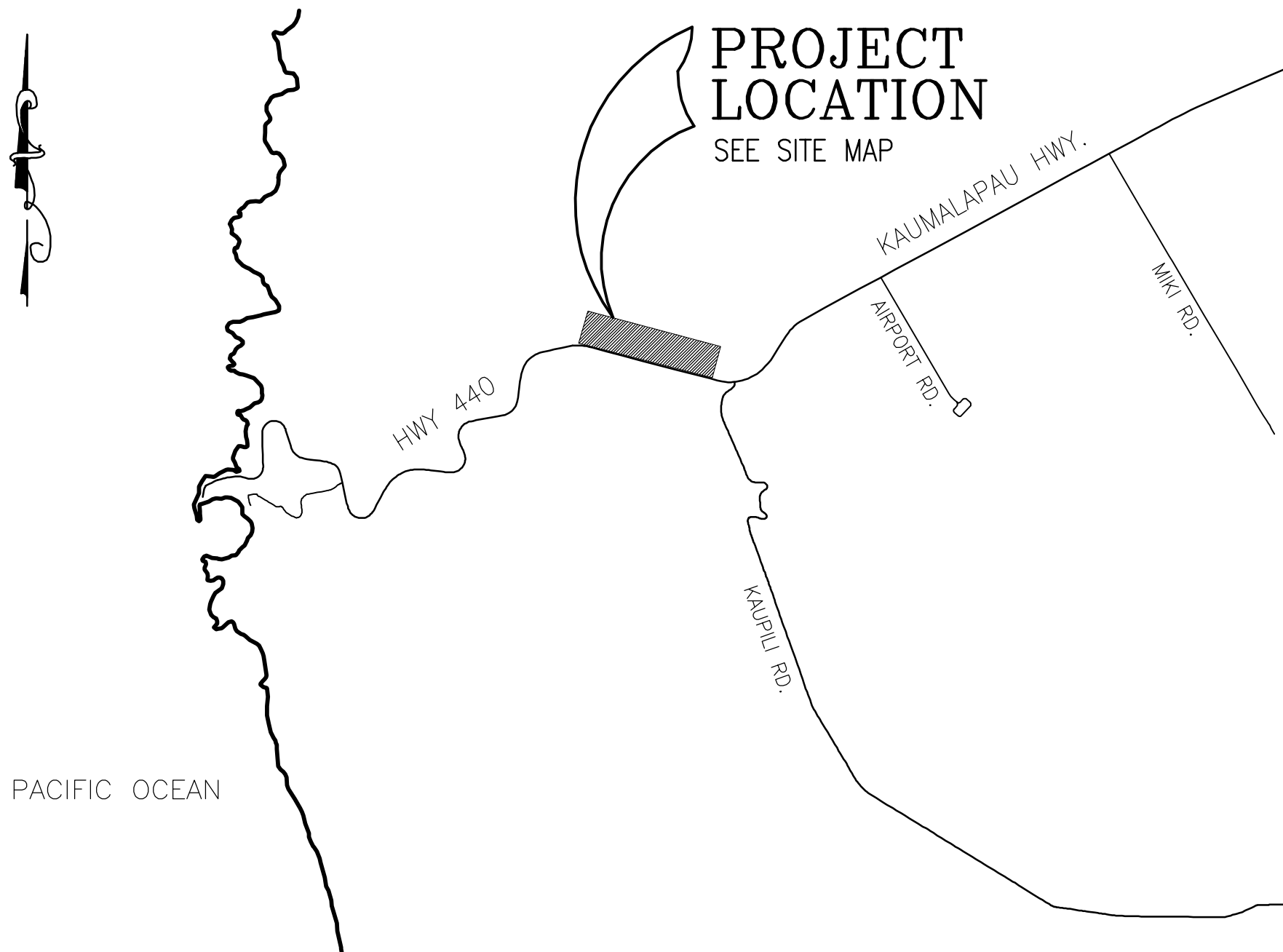
T.M.K: (2) 4-9-002: 001 (POR)



LOCATION MAP

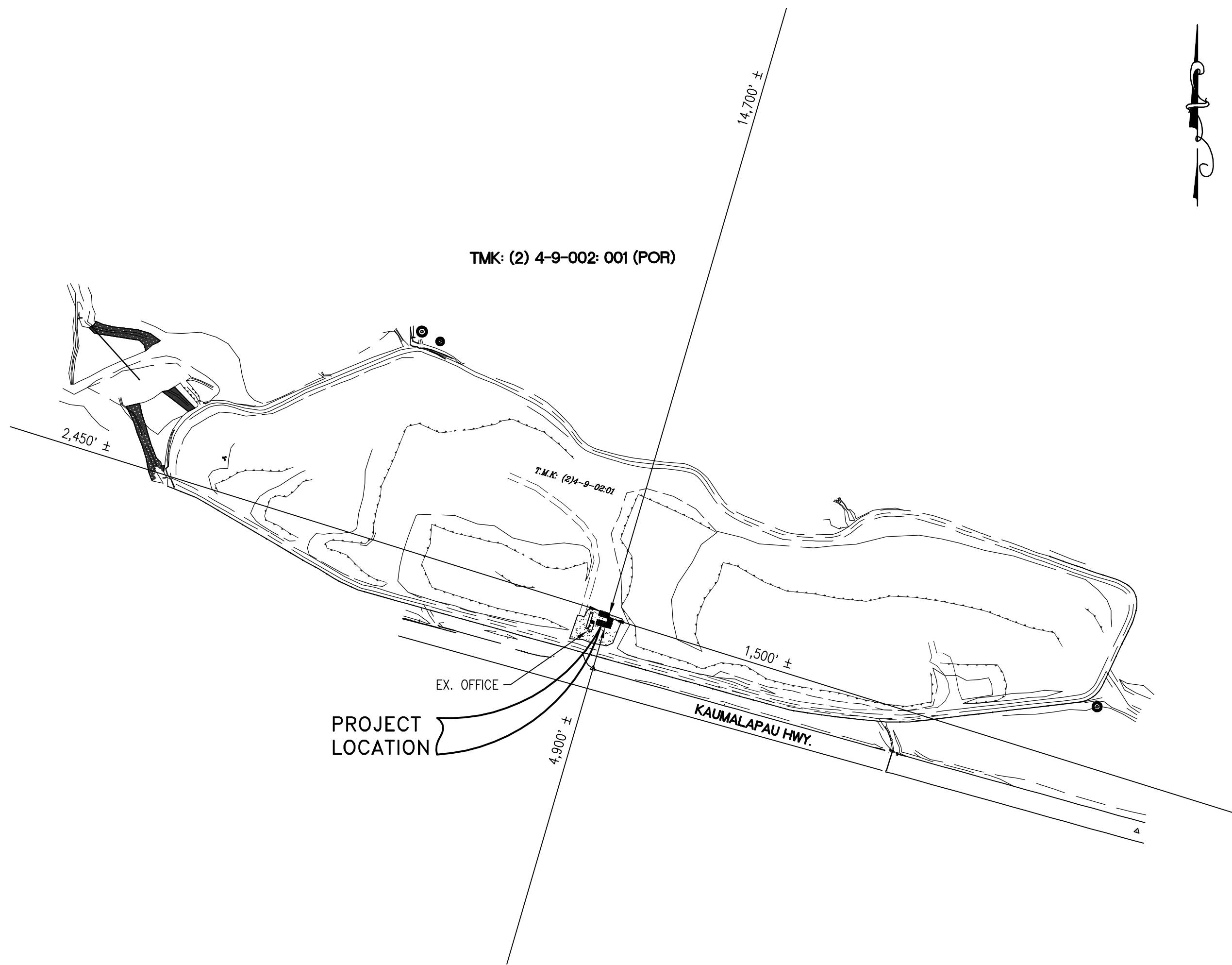
MAUI COUNTY
STATE OF HAWAII

NOT TO SCALE



VICINITY MAP

SCALE: 1"=800'



SITE MAP

SCALE: 1"=200'

DRAWING INDEX

SHT. NO.	DWG. NO.	DESCRIPTION
1	T-1	TITLE SHEET, SHEET INDEX, ISLAND MAP, VICINITY MAPS, AND SITE MAP
2	S-1	STRUCTURAL PLAN, ELEVATION & DETAIL

CONSULTANTS

ENGINEERING PARTNERS, INC.
STRUCTURAL ENGINEER

OWNER

COUNTY OF MAUI, SOLID WASTE DIVISION
ONE MAIN PLAZA BLDG., SUITE 225
WAILUKU, MAUI, HAWAII 96793

PROJECT ADDRESS

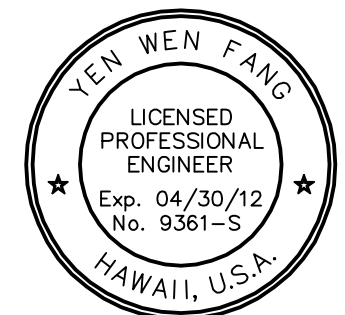
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NOTES:

- ALL WORK TO CONFORM TO THE 1997 UNIFORM BUILDING CODE AND LOCAL AMENDMENTS.
- PRIOR TO COMMENCEMENT OF CONSTRUCTION, THE CONTRACTOR TO VERIFY LOCATIONS OF ALL UTILITIES, WHICH MAY BE AFFECTED BY HIS WORK. INTERFERENCES WITH THE STRUCTURE TO BE PROMPTLY REPORTED TO THE OWNER AND RESOLVED PRIOR TO PROCEEDING WITH THE WORK.
- DESIGN LOADS
 - ROOF LIVE = 20 PSF
 - WIND EXPOSURE D, 80 MPH
 - SEISMIC ZONE 4
- ANY FOOTING BACKFILL SHALL BE MECHANICALLY COMPACTED IN LAYERS. FLOODING IS PROHIBITED.
- ALL CONCRETE TO BE REGULAR WEIGHT HARD ROCK TYPE WITH COMPRESSIVE STRENGTH OF 2500 PSI MINIMUM.
- ALL PHASES OF WORK PERTAINING TO THE CONCRETE CONSTRUCTION TO CONFORM TO ACI 318. PORTLAND CEMENT TO BE ASTM C-150 TYPE II. AGGREGATE TO CONFORM TO ASTM C-33. CONCRETE MIXING TO CONFORM TO ASTM C-94. PLACEMENT TO CONFORM TO ACI 301.
- PROJECTING CORNERS OF CONCRETE TO BE FORMED WITH 3/4" CHAMFER.
- REINFORCING BARS SHALL CONFORM TO ASTM A-615 GRADE 60. #4 AND SMALLER BARS MAY BE GRADE 40.
- ALL STRUCTURAL STEEL SHALL CONFORM TO THE ASTM DESIGNATIONS AS NOTED BELOW:
 - PIPE: ASTM A53 GR. B
 - CHANNELS AND ANGLES: ASTM A36
- ANCHOR RODS SHALL CONFORM TO ASTM F-1554, GRADE 36.
- MACHINE BOLTS SHALL CONFORM TO ASTM A307, GRADE 36.
- ALL WELDS SHALL BE IN CONFORMITY WITH THE STRUCTURAL WELDING CODE AWS D1.1 OF THE AMERICAN WELDING SOCIETY.
- ALL STEEL SHALL BE GALVANIZED AND FIELD PAINTED.
- ALL NEW FRAMING LUMBER SHALL BE DOUGLAS FIR NO. 2 MIN. AS GRADED BY WCLIB.
- ALL BOLTS AND CONNECTIONS TO BE HOT-DIP GALVANIZED AND FIELD PAINTED.
- ALL WOOD PRODUCTS TO BE PRESSURE-PRESERVATIVE TREATED AND FIELD PAINTED.
- FIELD PAINTING SHALL BE AS FOLLOWS, WITH COLOR TO BE SELECTED BY THE OWNER:

GALVANIZED STEEL:	PRETREATMENT:	167 PRE-PRIME 100% SOLIDS EPOXY PENETRATING SEALER @ 1.5 MILS DFT (FOR RUSTED AREAS ONLY).
	1 COAT:	235 BAR-RUST MULTI-PURPOSE EPOXY COATING MINIMUM 5.0 MILS DFT.
	1 COAT:	379UVA DEVTHANE ALIPHATIC URETHANE GLOSS ENAMEL MINIMUM 5.0 MILS DFT.
	* FOR GALVANIZED SURFACES (SSPC-SP1 SOLVENT CLEANING)	
TREATED WOOD:	PRIME COAT:	6001 PREP & PRIME HYDROSEALER EXTERIOR MULTI-PURPOSE WATERBORNE PRIMER-SEALER MINIMUM 1.5 MILS DFT PER COAT.
	2ND & 3RD COATS:	2416 ULTRA HIDE 150 EXTERIOR 100% ACRYLIC LATEX SEMI-GLOSS FINISH MINIMUM 1.6 MILS DFT PER COAT.

Engineering Partners, Inc.
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contact@epihawaii.com
www.epihawaii.com



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

Yen Wen Fang
SIGNATURE

TITLE SHEET

DATE: JULY 2011
REV. _____
REV. _____
REV. _____

NEW PHOTOVOLTAIC SYSTEM FOR:

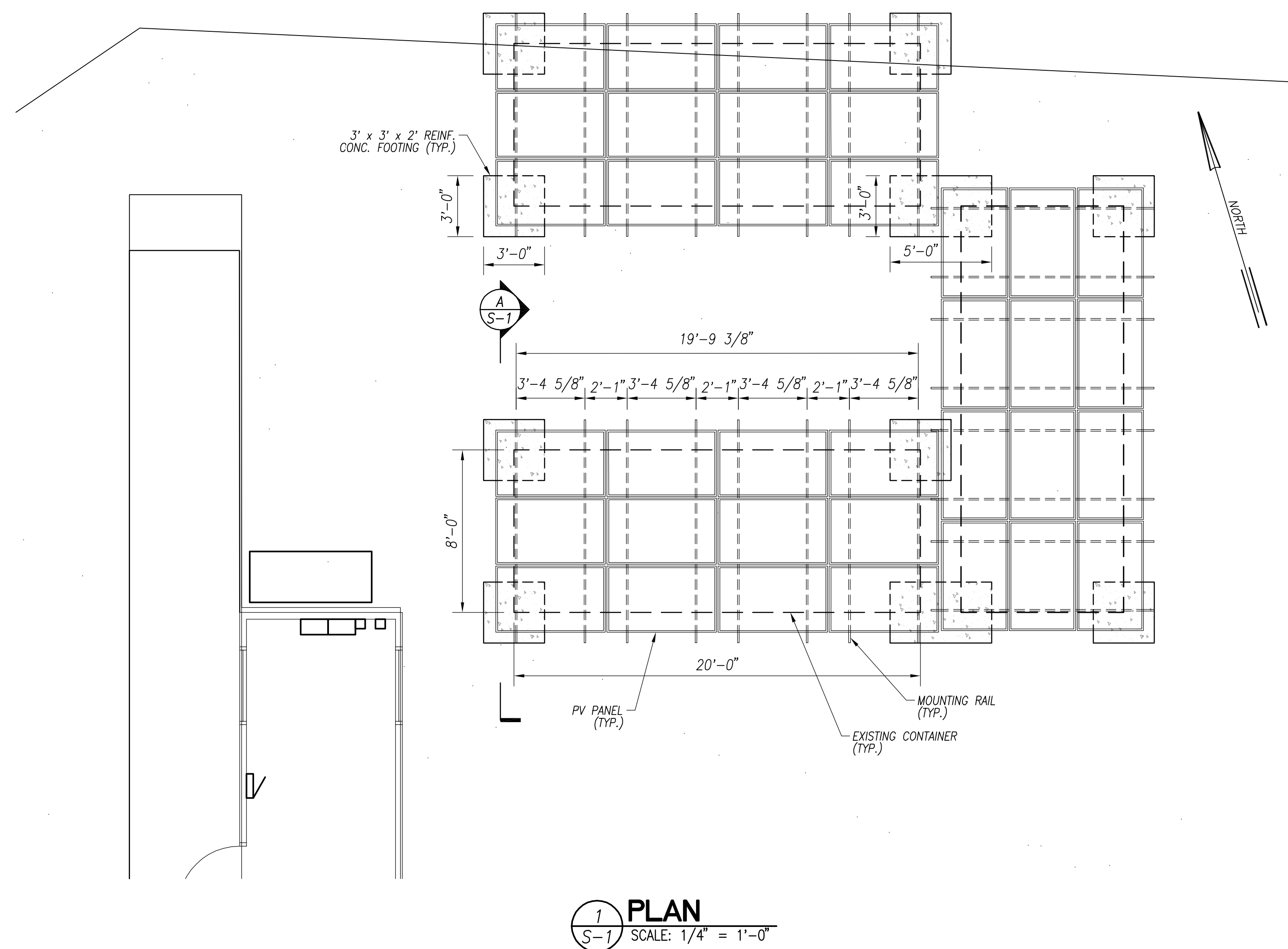
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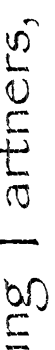
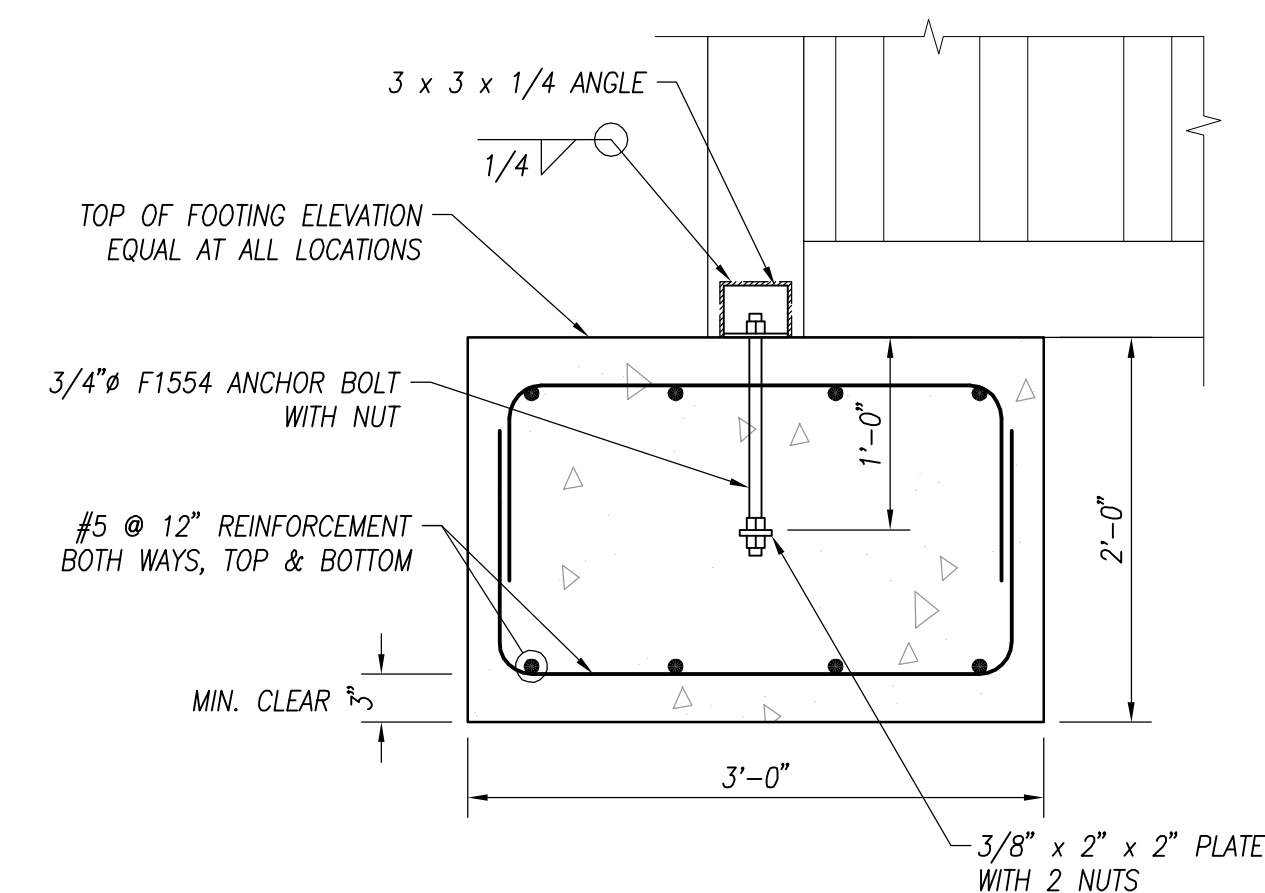
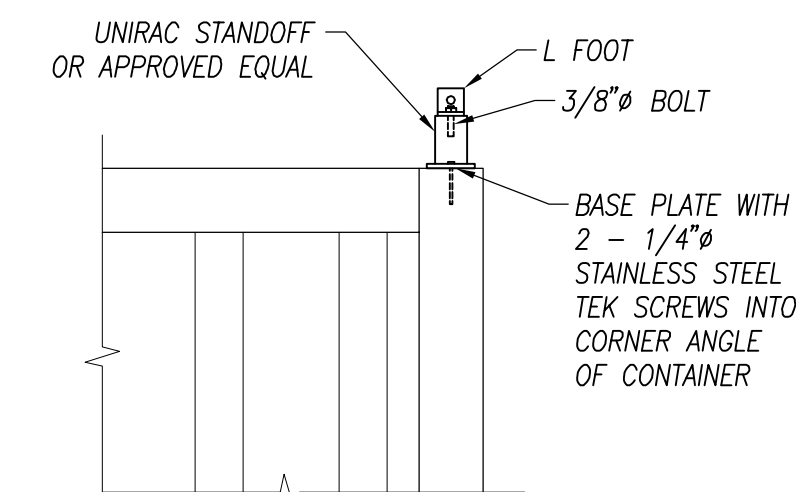
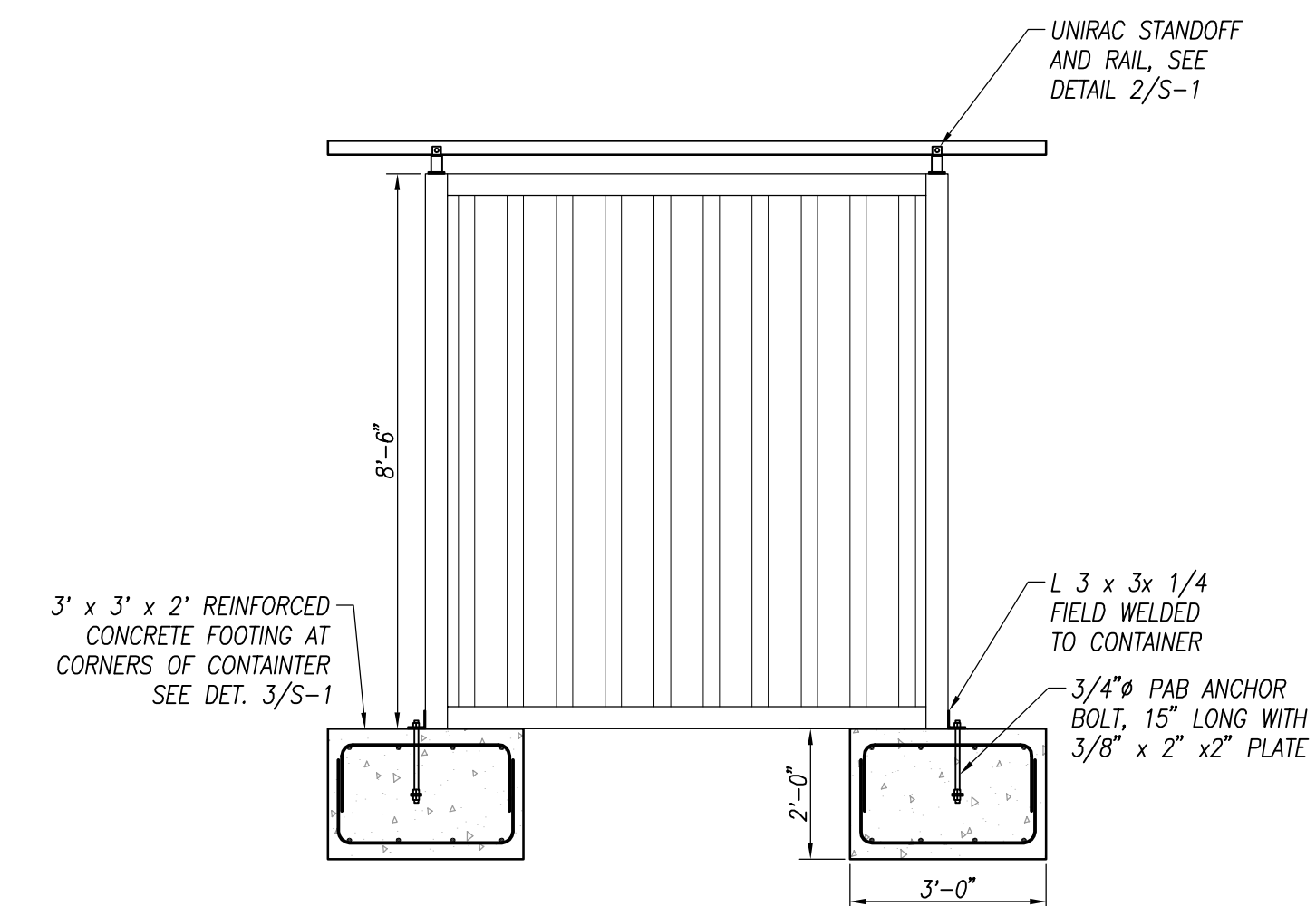
JOB NO.
5047-11-004

DWG. NO.
T-1

SHEET NO. 1 OF 2



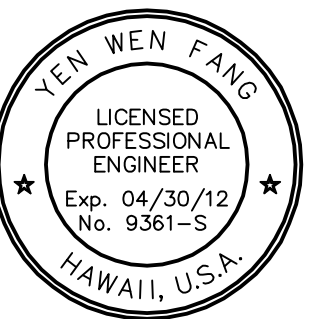
NOTE:
TOP OF FOOTING ELEVATIONS SHALL BE EQUAL AND LEVEL AT ALL LOCATIONS, AND ALL CONTAINERS SHALL SIT LEVEL.



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Progressive Solutions

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Yu Wen Fang
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STRUCTURAL PLAN,
ELEVATION & DETAIL

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SHEET NO. 2 OF 2