

FED. ROAD DIST. NO.	STATE	FED.-AID- PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-M-05-98	2002	82	99

FUEL DISPENSING SYSTEM NOTES

- THE PUMPS ARE CONTROLLED MANUALLY AND DO NOT HAVE AUTOMATIC AUDITING FEATURES. FUEL DISTRIBUTION MUST BE LOGGED MANUALLY BY READING THE MECHANICAL ACCUMULATOR AT THE PUMP.
- THE FUEL DISPENSING STATION SHALL BE IN COMPLIANCE WITH ALL STATE AND COUNTY REQUIREMENTS. THE ACCUMULATOR METERS ON THE PUMPS SHALL BE TESTED FOR COMPLIANCE WITH STATE REQUIREMENTS.

DESCRIPTION – TANK LEAK MONITORING SYSTEM

- TANK PRODUCT LEVEL PROBE SENDS SIGNAL TO MONITOR, PROPORTIONAL TO LEVEL IN TANK.
- TANK LEAK DETECTOR SENSOR LEVEL SWITCHES PROVIDE HIGH LEVEL CONTACT CLOSURE TO MONITOR.
- UPON HIGH LEVEL IN TANK INTERSTITIAL SPACE DUE TO INNER TANK SHELL LEAKAGE, MONITOR SENDS ALARM SIGNAL TO LOCAL ALARM PANEL.
- TANK LEVEL IS CONTINUOUSLY MONITORED. EITHER PRODUCT VOLUME OR LEVEL IS DISPLAYED AS SELECTED BY OPERATOR. HIGH TANK LEVEL DETECTED BY MONITOR SENDS ALARM SIGNAL TO ALARM PANEL.
- ALARMS AT ALARM PANEL INCLUDE AUDIBLE HORN AND LIGHT. UPON ALARM, OPERATOR PUSHES ACKNOWLEDGE BUTTON, SILENCING AUDIBLE HORN. LIGHT REMAINS ILLUMINATED UNTIL ALARM CONDITION IS CORRECTED.
- MONITOR SHALL BE ABLE TO DISTINGUISH BETWEEN STORAGE TANKS AND SHALL BE CAPABLE OF DISPLAYING SAME ON THE PANEL.

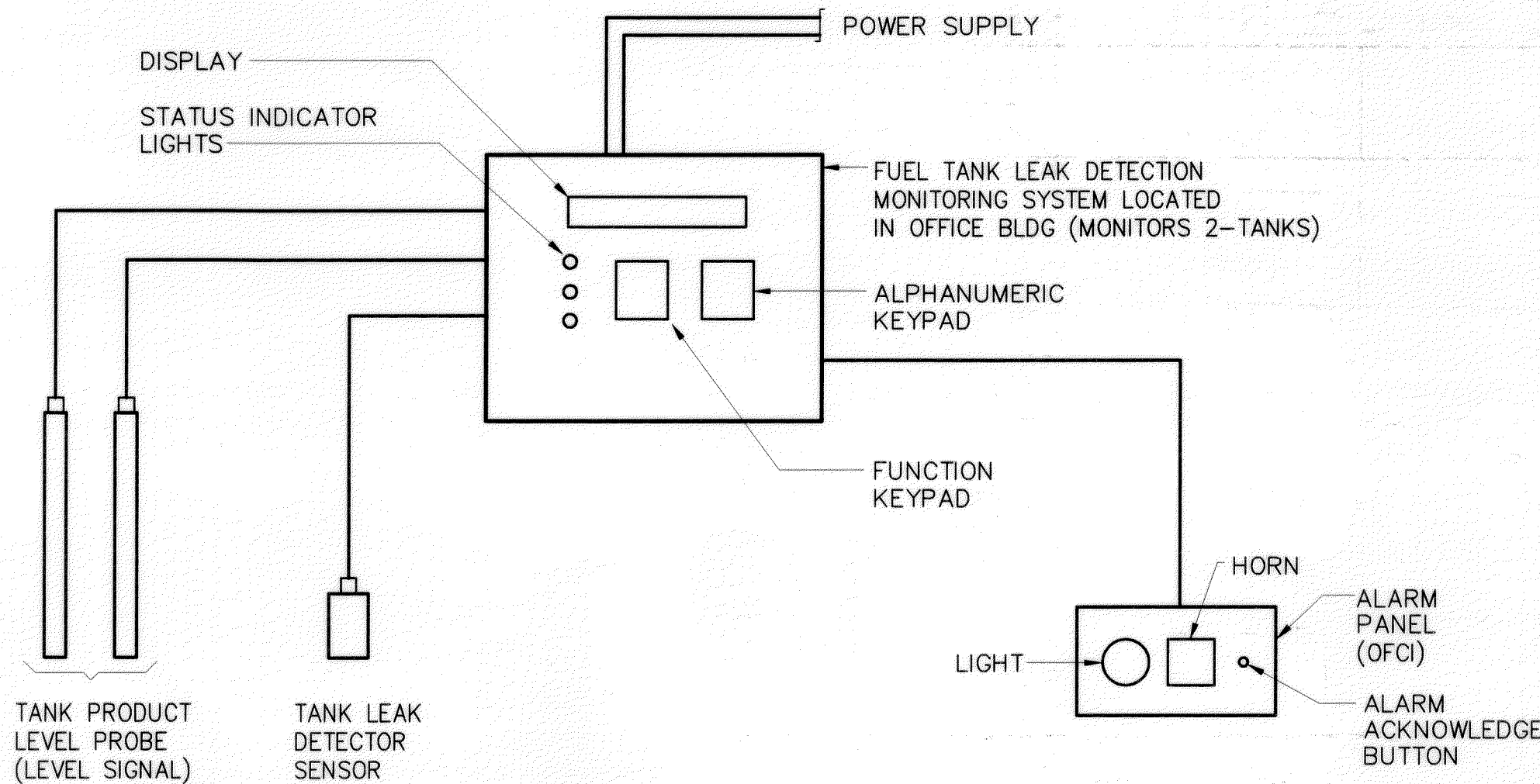
EQUIPMENT SCHEDULE

FUEL STORAGE TANK:

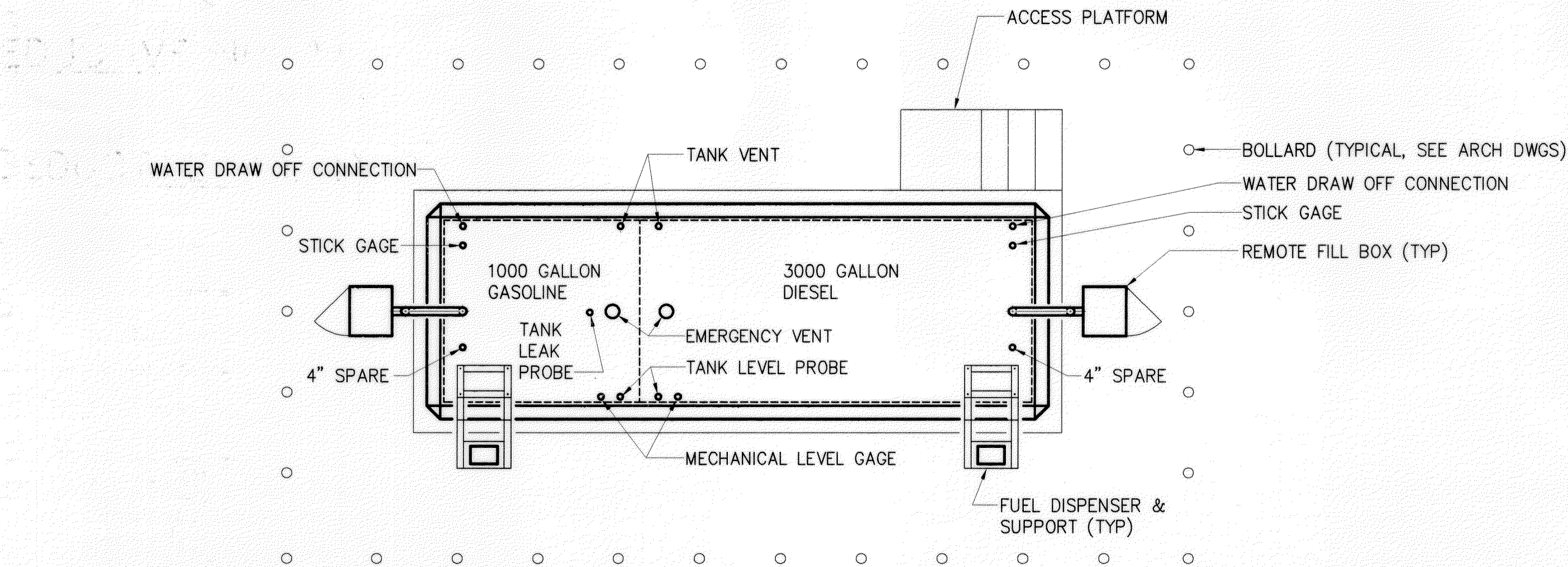
CONVAULT E4000 OR APPROVED EQUAL, 2-COMPARTMENT (3000 GALLON AND 1000 GALLON) ABOVE GROUND CONCRETE ENCASED STEEL FUEL STORAGE TANK WITH 30 MIL HIGH DENSITY POLYETHYLENE GEOMEMBRANE SECONDARY CONTAINMENT, STANDARD FINISH.

FUEL DISPENSER:

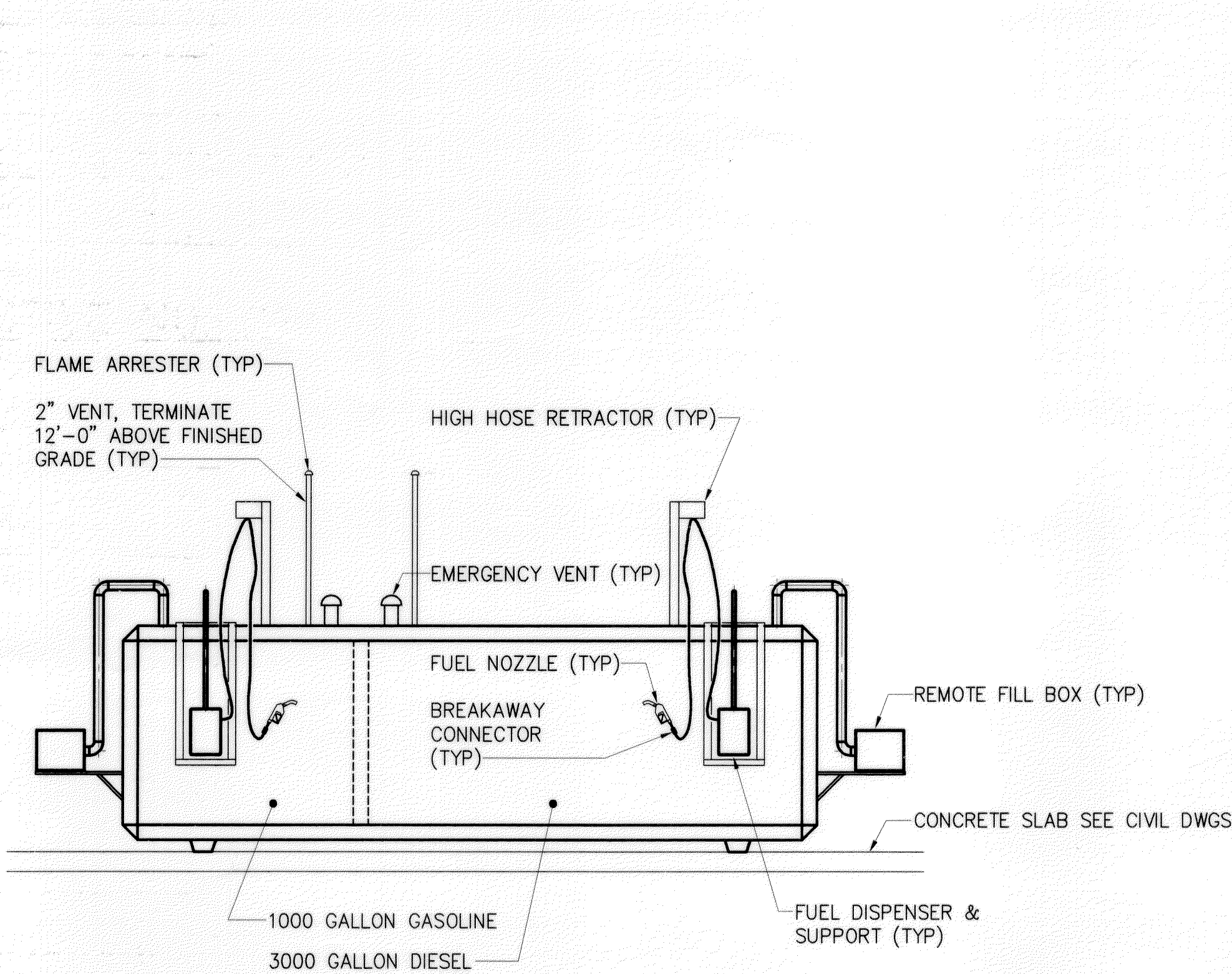
GASBOY 9123 OR APPROVED EQUAL, COMPACT COMMERCIAL SUCTION PUMP, 21 GPM (MAXIMUM DELIVERY RATE), 3/4 HP CONTINUOUS DUTY, 115/230/1/60, 12'-0" FLEXIBLE HOSE, HIGH HOSE RETRACTOR, SWIVELS, SHEAR VALVE, SIDE MOUNTED SUPPORTS.



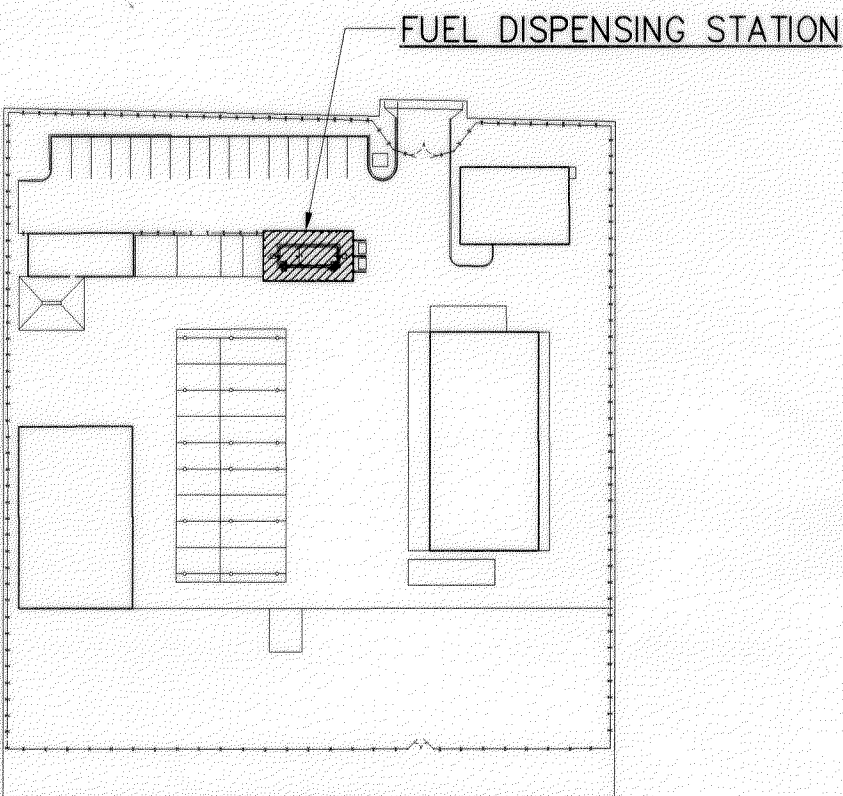
TANK LEAK MONITORING SYSTEM SCHEMATIC DIAGRAM
SCALE: NONE



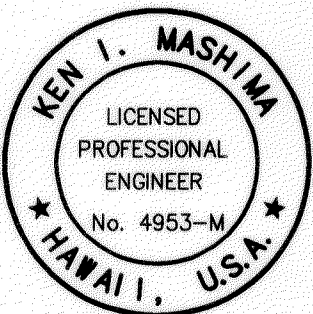
FUEL DISPENSING STATION FLOOR PLAN (SPLIT TANK)
SCALE: 1/4" = 1'-0"



FUEL TANK SCHEMATIC ELEVATION
SCALE: NONE



KEY PLAN
SCALE: NONE



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

Ken I. Mashima

FUEL DISPENSING STATION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

FUEL DISPENSING STATION
FUEL STOR. & DISP. FLR PLAN
MOLOKAI BASEYARD
MOLOKAI INDUSTRIAL PARK
Project No. HWY-M-05-98

Scale: As Noted
Date: SEPT 13, 2001

SHEET No. M4.1 OF M4.1 SHEETS

SURVEY PLOTTED BY	DATE
DRAWN BY	
CHECKED BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTEBOOK	
No.	