# Department of Environmental Protection

2600 Blair Stone Road ♦ Tallahassee, Florida 32399-2400

DEP Form: 62-762.901(9)
Form Title: Storage Tank Equipment Registration Form
Effective Date: July 2019
Incorporated in Rule 62-762.851 F.A.C.

## Storage Tank System Equipment Registration Form

*Fill out completely*

### General Information

Company Name: Freeman Enclosure Systems
Contact Name: Cassie Freeman
Company Address: 4160 Half Acre Rd
City, State: Batavia, Ohio Zip: 45103
E-mail: cassie.freeman@freemanenclosures.com
Contact Number: (513) 488-8563
Product Name: UL listed Double Wall above ground storage Tank
Model Number(s): _____
Product Type: steel double wall diesel storage tank
Rule(s) citation that registration is being requested within Chapter 62-761 (UST), and/or 62-762 (AST), F.A.C.: 62-762.501(2)(b)1 ans 62-762.81(2)

Write a brief description of equipment registration request including product limitations:

Request that our UL 142 tanks (MH 47836) and STI's UL2085 tank (MH20579) be approved to be installed in the State of Florida compliant to local rules and regulations.

### Information Checklist (Choose Yes, No, or N/A - Not Applicable):

| | | Yes | No | N/A |
|---|---|---|---|---|
| 1. | Third-party Certification by a Nationally Recognized Testing Laboratory? (Required) | ☑ | ☐ | |
| 2. | Documentation of third-party evaluation that the equipment meets DEP Rules? | ☐ | ☑ | ☐ |
| 3. | Documents included about the qualifications of the Nationally Recognized Testing Laboratory? | ☑ | ☐ | ☐ |
| 4. | Technical information and drawings included? | ☑ | ☐ | ☐ |
| 5. | Installation instructions included? | ☐ | ☐ | ☑ |
| 6. | Annual Operability Testing Requirements (Rules 62-761.500, 62-762.501, & 62-762.502 F.A.C.)? | ☐ | ☐ | ☑ |
| 7. | Integrity Testing Requirements (Rules 62-761.700, 62-762.701, & 62-762.702, F.A.C.)? | ☑ | ☐ | ☐ |
| 8. | Compatible with fuel blends containing >10% ethanol or >20% biodiesel? | ☑ | ☐ | ☐ |
| 9. | Has the product been approved or registered in other countries or states? (If so provide list) | ☐ | ☑ | ☐ |
| 10. | Any requirements for company-certified installers or trainers? | ☐ | ☑ | ☐ |
| 11. | Was this product(s) previously approved or registered by the Department? If yes, EQ- 785-R | ☑ | ☐ | ☐ |
| 12. | Any changes or modifications to the equipment since the last submittal to DEP? | ☐ | ☑ | ☐ |

Document Information: Provide supporting documents indicated as "Yes" above including this form via email to Tanknotify@floridadep.gov, or documents can be sent to FDEP, Division of Waste Management, 2600 Blair Stone Road, MS 4560, Tallahassee, FL 32399.

Write a brief description of equipment installation and performance in the U.S.:

Installation is inteded for stationary use only. Installation is mostly for Sub base installation in combination with emergency generator systems. Installation can also include stand-alone applications. All designs are in accordance with UL142 or UL2085.

### Equipment Registration Certification:

To the best of my knowledge and belief, all information submitted on this form is true, accurate and complete.

Cassie Freeman Engineering Mgr. — Printed Name and Title
Cassandra Freeman — Signature (right click to sign)
12/9/22 — Date

### For Department Use Only:

Date Application Received: 12/9/2022 Application complete: Yes: [X] No: [ ]

EQ- 785-R Date of complete or incomplete letter sent: 12/13/2022 Date Equipment Requires Renewal: 12/13/2027

*Storage tank system equipment requires renewal every 5 years in accordance with subsection 62-762.851(2), F.A.C.*

ONLINE CERTIFICATIONS DIRECTORY

# EFVT.MH47836
# Special-purpose Tanks

Page Bottom

## Special-purpose Tanks

See General Information for Special-purpose Tanks

**FREEMAN ENCLOSURE SYSTEMS L L C** MH47836
4160 HALF ACRE RD
BATAVIA, OH 45103 USA

**Secondary containment generator base tank.**
Last Updated on 2010-10-25

Questions? Print this page Terms of Use Page Top

the standard in safety

Underwriters Laboratories

File MH47836 Vol 1 Issued: 2010-10-25
Revised: 2010-10-25

FOLLOW-UP SERVICE PROCEDURE
(TYPE L)

SPECIAL-PURPOSE TANKS
(EFVT,EFVT7)

Manufacturer: FREEMAN ENCLOUSRE SYSTEMS L L C
(100546-228) 4160 HALF ACRE RD
BATAVIA OH 45103

Applicant: SAME AS MANUFACTURER
(100546-228)

Listee: SAME AS MANUFACTURER
(100546-228)

This Procedure authorizes the above manufacturer to use the marking specified by Underwriters Laboratories Inc.(UL), or any authorized licensee of UL, only on products covered by this Procedure, in accordance with the applicable UL Services Agreement.

The prescribed Mark or Marking shall be used only at the above manufacturing location on such products which comply with this Procedure and any other applicable requirements.

The Procedure contains information for the use of the above named Manufacturer and representatives of Underwriters Laboratories Inc. and is not to be used for any other purpose. It is lent to the Manufacturer with the understanding that it is not to be copied, either wholly or in part, and that it will be returned to Underwriters Laboratories Inc. (UL) or any authorized licensee of UL, upon request.

This PROCEDURE, and any subsequent revision, is the property of Underwriters Laboratories Inc.(UL) and the authorized licensee of UL and is not transferable.

Underwriters Laboratories Inc.

Stephen Hewson
Senior Vice President
Global Follow-Up Service Operations

William R. Carney
Director
North American Certification Program

## 41 Minor Tank Accessories

41.1 If provided, minor accessories intended for factory assembly or field installation to the tank shall comply with the requirements in 41.2.

41.2 Mounting brackets for small equipment shall not exceed 4.0 sq ft (single side projected area), and shall be constructed of at least 0.093 inch thick steel. Mounting brackets greater than 4.0 $ft^2$ shall comply with the Static Load Test in 38.3. The brackets and supporting structure shall be welded to the tank, or provided with bolted connections that are welded to the tank.

## PERFORMANCE TEST METHODS

## 42 Tank Leakage Test

### 42.1 Caution

42.1.1 Caution – Testing with air pressure presents a risk of injury to persons and personnel should be instructed in precautions to be taken during such testing. The precautions should include the use of a pressure-relief device that will reduce the risk of the tank becoming pressurized in excess of the specified test pressure.

### 42.2 Primary containment tanks

42.2.1 The leakage test is to be conducted before painting the tank by a method described in (a) – (b). There shall be no evidence of leakage or sign of permanent deformation following the leakage test. For a production leakage test, the tank wall, head, or roof may deflect but shall return to its original general position and shape when the test pressure is released.

Note 1 – Permanent deformation for the purpose of leak test pass/fail assessment is metal bending with creases that can't be easily returned to the original condition. It is not intended to fail slight bulges and or sags that may be reduced by applying a minor force or pressure/vacuum.

Note 2 – For the production leak test, "... may deflect but shall return to its original position and shape..." is intended as a rough guideline, as it is recognized tanks are not precision products and may have naturally occurring deflections, so is not intended as a quality control measure. The degree of fabricating precision is to be determined by the manufacturer and purchaser.

a) Apply internal air pressure and use soap-suds, or equivalent material for the detection of leaks. For a horizontal tank, the test gauge pressure is to be not less than 3 psi (21 kPa) or more than 5 psi (35 kPa). For a vertical tank, the test gauge pressure is not to be less than 1-1/2 psi (10 kPa) nor more than 2-1/2 psi (17 kPa) or that gauge pressure above 1-1/2 psi which first causes visible deformation of the tank. For a rectangular tank, the test gauge pressure is not to be less than 1-1/2 psi (10 kPa) nor more than 3 psi (21 kPa) or that gauge pressure above 1-1/2 psi which first causes visible deformation of the tank; or

b) Completely fill the tank with water, applying the pressure specified in (a) hydrostatically, and examine the tank for leakage.

Note 3 – For guidance purposes, the clause "...which first causes visible deformation..." is intended to alert the test operator to be cautious of over pressure or vacuum which may cause difficulty in complying with 42.2.1.

42.2.2 Each compartment of a tank having two or more compartments is to be tested separately for leakage.

### 42.3 Secondary containment tanks

42.3.1 After completion of the primary containment shell, the tank is to be checked for leakage using the method described in 42.2.1 and 42.2.2 for primary containment tanks.

42.3.2 Upon completion of the finished secondary containment tank, the primary tank is again to be pressurized using the applicable method described in 42.2.1 – 42.2.2. For Performance Tests, the pressure shall be held for 1 hour to check for leakage. A continuous drop in pressure will be considered evidence of leakage. For production testing, the pressure shall be held in the primary tank only for the duration required to test the interstice using the method described in 42.3.3.

42.3.3 While maintaining pressure on the primary tank, the interstitial (annular) space bounded by the primary and secondary tank is to be pressurized to the pressures indicated in 42.2.1 and checked for external leakage by applying a leak detection solution. There shall be no evidence of leakage or sign of permanent deformation following the leakage test. A tank wall, head, or roof may deflect when subjected to the leakage test pressure, but shall return to its original position and shape when the test pressure is released.

42.3.4 As an option to the leakage test described in 42.3.2 and 42.3.3, the annular space may be tested by applying a vacuum of at least 13 inches of mercury for a minimum of 12 hours. If the tank is unable to maintain the vacuum (plus or minus 2 inches of mercury) for the specified time, the tank shall be retested using the method described in 42.3.2 and 42.3.3.

## 43 Hydrostatic Strength Test

### 43.1 General

43.1.1 The hydrostatic strength test is to be conducted as described in 43.3.1 and 43.4.1 using the test apparatus described in 43.2.1. Neither the primary containment tank nor the secondary containment shell shall rupture or leak when subjected to this test.

### 43.2 Test apparatus

43.2.1 The source of water pressure is to be capable of maintaining a gauge pressure of at least 30 psi (207 kPa) for a period of not less than 2 minutes. The pressure gauges are to be calibrated and have a dial range gauge pressure of 0 – 50 or 0 – 60 psi (345 or 415 kPa), a face size of at least 3-1/2 inches (89 mm) in diameter, graduations of a gauge pressure of 1 psi or 10 kPa maximum, and an accuracy of ±1 percent of the full scale reading. Piping and fittings as shown in Figure 43.1 are to be appropriate for the test pressure.

# Fireguard®

**LICENSED MANUFACTURER**

## Freeman Enclosure Systems, LLC

***is a member of***

# STEEL TANK INSTITUTE

***Division of STI/SPFA***

**and participant in the Fireguard® program**
**and is hereby authorized to manufacture Aboveground Tanks in accordance with the Specification for Fire-Rated Lightweight Double Wall Steel Aboveground Storage Tanks**

BOARD OF DIRECTORS

Terry Cooper
*President*

Wayne Day
*Secretary*

# Generator Base Tank

**LICENSED MANUFACTURER**

## Freeman Enclosure Systems, LLC

***is a member of***

# STEEL TANK INSTITUTE

***Division of STI/SPFA***

**and participant in the Generator Base Tank program and is hereby authorized to manufacture Aboveground Tanks in accordance with the Standards for Aboveground Tanks used as a Generator Base Tank.**

BOARD OF DIRECTORS

Terry Cooperrow
*President*

Wayne Dean
*Secretary*

GENERAL NOTES:

1. EMERGENCY VENT SIZING BASED ON UL142 TABLE 8.1.
2. PORTS PER UL 142 SECTION 10
3. NORMAL VENTING PER UL 142 SECTION 8.11, TABLE 8.2
4. WELDS AND JOINTS PER UL SECTION 6 FIGURE 6.1, 6.2

GENERAL DESCRIPTION:

SUB BASE FUEL SUPPLY TANK
MINIMUM 10 GAUGE (.125") CONSTRUCTION
UL 142 OR UL 2085 LISTED DOUBLE WALL
NORMAL AND EMERGENCY VENTS
LOW LEVEL, HIGH LEVEL AND LEAK DETECTION
FLOAT SWITCHES
FILL
MECHANICAL FUEL GAUGE

ELECTRICAL
LEVEL ALARM PANEL

TANK DATA:
UNDERWRITERS LABORATORIES LISTING MH47836

| | |
|---|---|
| CAPACITY GALLONS: | 0-11,999 |
| GALLONS PER IN OF DEPTH: | NA |
| RUN TIME @FULL LOAD Hrs: | NA |
| TANK WEIGHT DRY lbs: | NA |
| TANK WEIGHT WET: lbs: | NA |
| CONDUIT STUB AREA: | (STRAIGHT) |
| TANK DIMS INCHES: | 600 MAXL X 164 MAXW X 50 MAXH |
| STATE SPEC: | FLORIDA FDEP |

TANK PORTS** :

A = 2" NORMAL TANK VENT
B = 3-12" EMERGENCY BASIN VENT
C = 3-12" EMERGENCY TANK VENT
D = 2" TANK SPARE PORT (FNPT)
E = MECHANICAL FUEL LEVEL GAUGE
F = 2" FILL
G = ENGINE SUPPLY
H = ENGINE RETURN
I = 2" TANK SPARE PORT (FNPT)
J = LOW LEVEL FLOAT SWITCH (EQ-682)
K = LEAK DETECTION FLOAT SWITCH (EQ-682)
L = HIGH LEVEL FLOAT SWITCH (EQ-682)

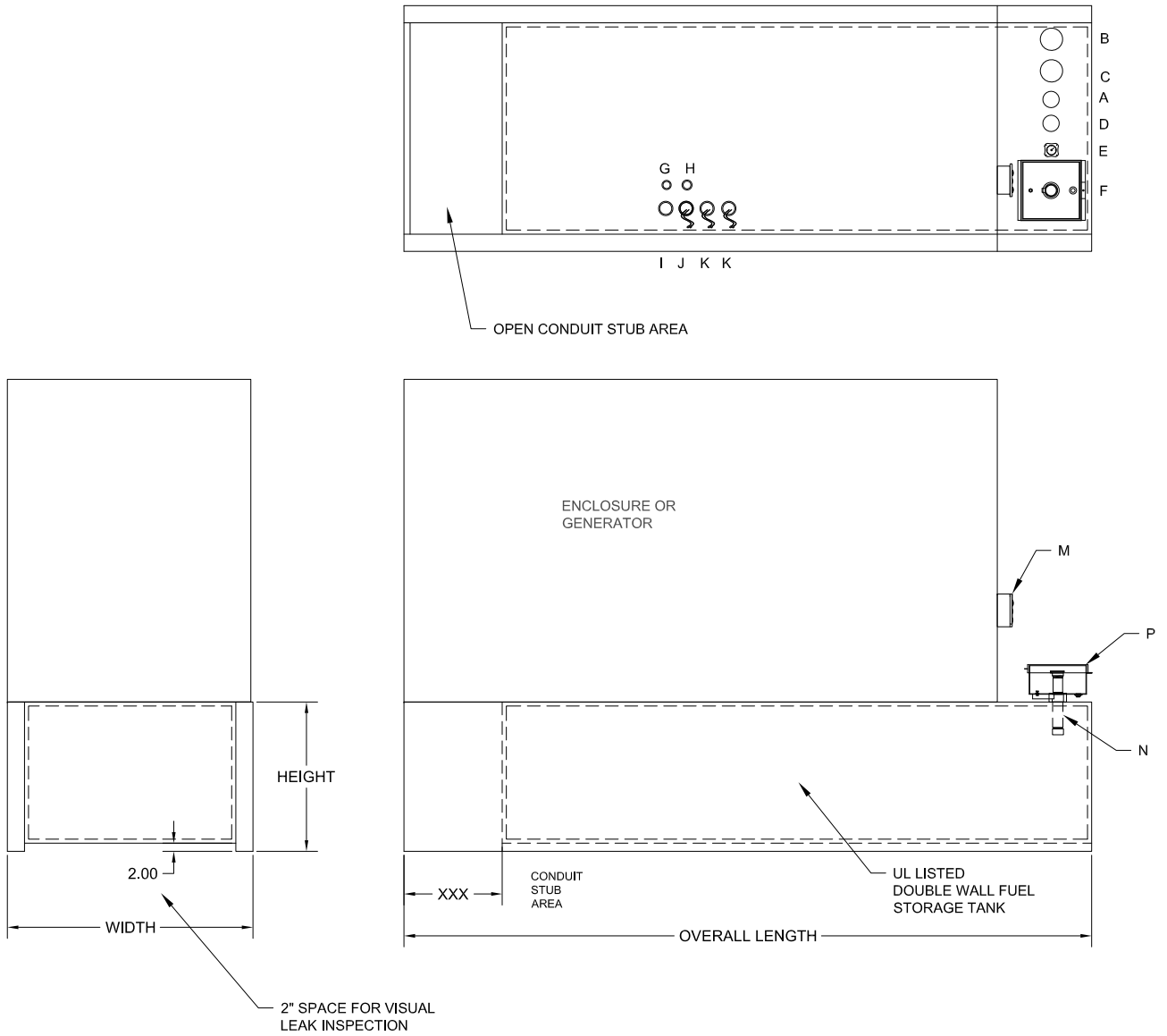
** TANK PORTS VARY IN LOCATION DUE TO INNER CONSTRUCTION OF SUB BASE TANK, AND LOCATION OF EQUIPMENT. DEPICTION SHOWN IS A GENERALIZED LOCATION.

TANK EQUIPMENT:

M = FILL ALARM PANEL, LEAK ALARM PANEL. AP-3, AP-3R OR OTHER APPROVED DEVICE FROM EQ LIST
N = FUEL FILL STOP VALVE AS REQUIRED FROM APPROVED EQ DEVICE LIST
P = OVERFILL SPILL CONTAINMENT F5G OR OTHER APPROVED DEVICE FROM EQ LIST

REVISIONS:

| EDITION | DESCRIPTION | DATE |
|---|---|---|
| 0 | ORIGINAL SUBMISSION RELEASE | 02/23/12 |






| Designed by | Checked by | Filename | Date | Reference | Edition |
|---|---|---|---|---|---|
| CFS | KF | APPROVAL | 12/19/11 | NA | 0 |

FLORIDA FDEP

| Drawing Number | Scale | Sheet |
|---|---|---|
| S3810224 | N.T.S. | 1/1 |

FREEMAN ENCLOSURE SYSTEMS

# Department of Environmental Protection

2600 Blair Stone Road ♦ Tallahassee, Florida 32399-2400

DEP Form: 62-762.901(9)
Form Title: Storage Tank Equipment Registration Form
Effective Date: January 2017
Incorporated in Rule 62-762.851, F.A.C.

## Storage Tank Equipment Registration Form

*Fill out completely*

### General Information

Company Name: Freeman Enclosure Systems
Contact Name: Cassie Freeman
Company Address: 4160 Half Acre Rd
City: Batavia
Zip: 45103
E-mail: Cassie.Freeman@FreemanEnclosures.com
Contact Number: 513-488-8563
Product Name: AST (above ground storage tanks) and accessories
Model Number(s):
Product Type: AST's, spill containment, alarm panels
Rule(s) citation within Chapter 62-761, or 62-762, F.A.C. that registration is being requested:
62-762.501(1)(e), 62-761.500(2)(b)

Write a brief description of equipment registration request including product limitations:

1) UL 142, 2085 listed AST (special purpose to be used as standby generator tank.) UL file numbers have not changed. We are only updating drawing.
2) Spill containment, 7 (new) and 5 gallon (updated) capacities. 3) Alarm Panels (updated wiring and look) both 12V and 24V. AP3 and AP3R to be replaced.

### Information Checklist

| | | Yes | No | N/A |
|---|---|---|---|---|
| 1. | Third-party Certification by a Nationally Recognized Testing Laboratory? | ☐ | ☐ | ☑ |
| 2. | Documentation of third-party evaluation that the equipment meets DEP Rules? | ☐ | ☐ | ☑ |
| 3. | Documents included about the qualifications of the Nationally Recognized Testing Laboratory? | ☐ | ☐ | ☑ |
| 4. | Installation instructions included? | ☐ | ☑ | ☐ |
| 5. | Technical information and drawings included? | ☑ | ☐ | ☐ |
| 6. | Annual Operability Testing Requirements (Rules 62-761.700, 62-762.701, & 62-762.702 F.A.C.)? | ☐ | ☐ | ☑ |
| 7. | Compatible with fuel blends containing >10% ethanol or >20% biodiesel? | ☐ | ☑ | ☐ |
| 8. | Has the product been approved or registered in other countries or states? (If so provide list) | ☐ | ☐ | ☑ |
| 9. | Any requirements for company-certified installers or trainers? | ☐ | ☑ | ☐ |
| 10. | Was this product(s) previously approved or registered by the Department? | ☑ | ☐ | ☐ |
| | If yes, please specify the Equipment Number: **EQ- 785** | ☑ | ☐ | ☐ |
| 11. | Any changes or modifications to the equipment since the last submittal to DEP? | ☑ | ☐ | ☐ |

Document Information: Provide supporting documents indicated as "Yes" above including this form via email to Tanknotify@dep.state.fl.us, or documents can be sent to FDEP, Division of Waste Management, 2600 Blair Stone Road, MS 4560, Tallahassee, FL 32399.

Write a brief description of equipment installation and performance in the U.S.:

AST to be installed by end user, owner on level flat surface. Spill containment and alarm panel pre-installed at factory by Freeman before shipment. No modifications or installation required unless items shipped loose at user's request.

### Equipment Registration Certification:

To the best of my knowledge and belief, all information submitted on this form is true, accurate and complete.

| Printed Name and Title | Signature | Date |
|---|---|---|
| | Cassondre Freeman<br>2017.04.21 14:44:54 -04'00' | 4/21/17 |

### For Department Use Only:

Date Application Received: 4/21/2017 Renew by 4/26/2022
Application complete: Yes: ☑ No: ☐

**EQ- 785-R**
Date of complete or incomplete letter sent: 4/26/2017
Date of entry to the DEP Equipment Registration List: 4/26/2017

# Department of Environmental Protection

2600 Blair Stone Road ♦ Tallahassee, Florida 32399-2400

DEP Form: 62-762.901(9)
Form Title: Storage Tank Equipment Registration Form
Effective Date: January 2017
Incorporated in Rule 62-762.851, F.A.C.

## Storage Tank Equipment Registration Form

*Fill out completely*

### General Information

Company Name: Freeman Enclosure Systems
Contact Name: Cassie Freeman
Company Address: 4160 Half Acre Rd
City: Batavia
Zip: 45103
E-mail: Cassie.Freeman@FreemanEnclosures.com
Contact Number: 513-488-8563
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Model Number(s):
Product Type: AST's, spill containment, alarm panels
Rule(s) citation within Chapter 62-761, or 62-762, F.A.C. that registration is being requested:
62-762.501(1)(e), 62-761.500(2)(b)

Write a brief description of equipment registration request including product limitations:

1) UL 142, 2085 listed AST (special purpose to be used as standby generator tank.) UL file numbers have not changed. We are only updating drawing.
2) Spill containment, 7 (new) and 5 gallon (updated) capacities. 3) Alarm Panels (updated wiring and look) both 12V and 24V. AP3 and AP3R to be replaced.

### Information Checklist

| | | Yes | No | N/A |
|---|---|---|---|---|
| 1. | Third-party Certification by a Nationally Recognized Testing Laboratory? | ☐ | ☐ | ☑ |
| 2. | Documentation of third-party evaluation that the equipment meets DEP Rules? | ☐ | ☐ | ☑ |
| 3. | Documents included about the qualifications of the Nationally Recognized Testing Laboratory? | ☐ | ☐ | ☑ |
| 4. | Installation instructions included? | ☐ | ☑ | ☐ |
| 5. | Technical information and drawings included? | ☑ | ☐ | ☐ |
| 6. | Annual Operability Testing Requirements (Rules 62-761.700, 62-762.701, & 62-762.702 F.A.C.)? | ☐ | ☐ | ☑ |
| 7. | Compatible with fuel blends containing >10% ethanol or >20% biodiesel? | ☐ | ☑ | ☐ |
| 8. | Has the product been approved or registered in other countries or states? (If so provide list) | ☐ | ☐ | ☑ |
| 9. | Any requirements for company-certified installers or trainers? | ☐ | ☑ | ☐ |
| 10. | Was this product(s) previously approved or registered by the Department? | ☑ | ☐ | ☐ |
| | If yes, please specify the Equipment Number: EQ- 785 | ☑ | ☐ | ☐ |
| 11. | Any changes or modifications to the equipment since the last submittal to DEP? | ☑ | ☐ | ☐ |

Document Information: Provide supporting documents indicated as "Yes" above including this form via email to Tanknotify@dep.state.fl.us, or documents can be sent to FDEP, Division of Waste Management, 2600 Blair Stone Road, MS 4560, Tallahassee, FL 32399.

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AST to be installed by end user, owner on level flat surface. Spill containment and alarm panel pre-installed at factory by Freeman before shipment. No modifications or installation required unless items shipped loose at user's request.

### Equipment Registration Certification:

To the best of my knowledge and belief, all information submitted on this form is true, accurate and complete.

Cassondre Freeman Eng. Manager — Printed Name and Title
Cassondre Freeman — Signature
4/21/17 — Date

### For Department Use Only:

Date Application Received: _____ Application complete: Yes: ☐ No: ☐

EQ- ☐ Date of complete or incomplete letter sent: _____ Date of entry to the DEP Equipment Registration List: _____

# EQ-785 Updates Submitted 4/21/2017

GENERAL NOTES:

1. EMERGENCY VENT SIZING BASED ON UL142 TABLE 8.1.
2. PORTS PER UL 142 SECTION 10
3. NORMAL VENTING PER UL 142 SECTION 8.11, TABLE 8.2
4. WELDS AND JOINTS PER UL SECTION 6 FIGURE 6.1, 6.2

GENERAL DESCRIPTION:

SUB BASE FUEL SUPPLY TANK
- MINIMUM 10 GAUGE (.125") CONSTRUCTION
- UL 142 OR UL 2085 LISTED DOUBLE WALL
- NORMAL AND EMERGENCY VENTS
- LOW LEVEL, HIGH LEVEL AND LEAK DETECTION FLOAT SWITCHES
- FILL
- MECHANICAL FUEL GAUGE

ELECTRICAL
- LEVEL ALARM PANEL

TANK DATA:
UNDERWRITERS LABORATORIES LISTING MH47836

| | |
|---|---|
| CAPACITY GALLONS: | 0-11,999 |
| GALLONS PER IN OF DEPTH: | NA |
| RUN TIME @FULL LOAD Hrs: | NA |
| TANK WEIGHT DRY lbs: | NA |
| TANK WEIGHT WET: lbs: | NA |
| CONDUIT STUB AREA: | (STRAIGHT SHOWN) |
| TANK DIMS INCHES: | 600 MAXL X 164 MAXW X 50 MAXH |
| STATE SPEC: | FLORIDA FDEP |

TANK PORTS** :

A = 2" NORMAL TANK VENT
B = 3-12" EMERGENCY BASIN VENT
C = 3-12" EMERGENCY TANK VENT
D = 2" TANK SPARE PORT (FNPT)
E = MECHANICAL FUEL LEVEL GAUGE
F = 4" FILL
G = ENGINE SUPPLY
H = ENGINE RETURN
I = 2" TANK SPARE PORT (FNPT)
J = LOW LEVEL FLOAT SWITCH (EQ-682)
K = LEAK DETECTION FLOAT SWITCH (EQ-682)
L = HIGH LEVEL FLOAT SWITCH (EQ-682)

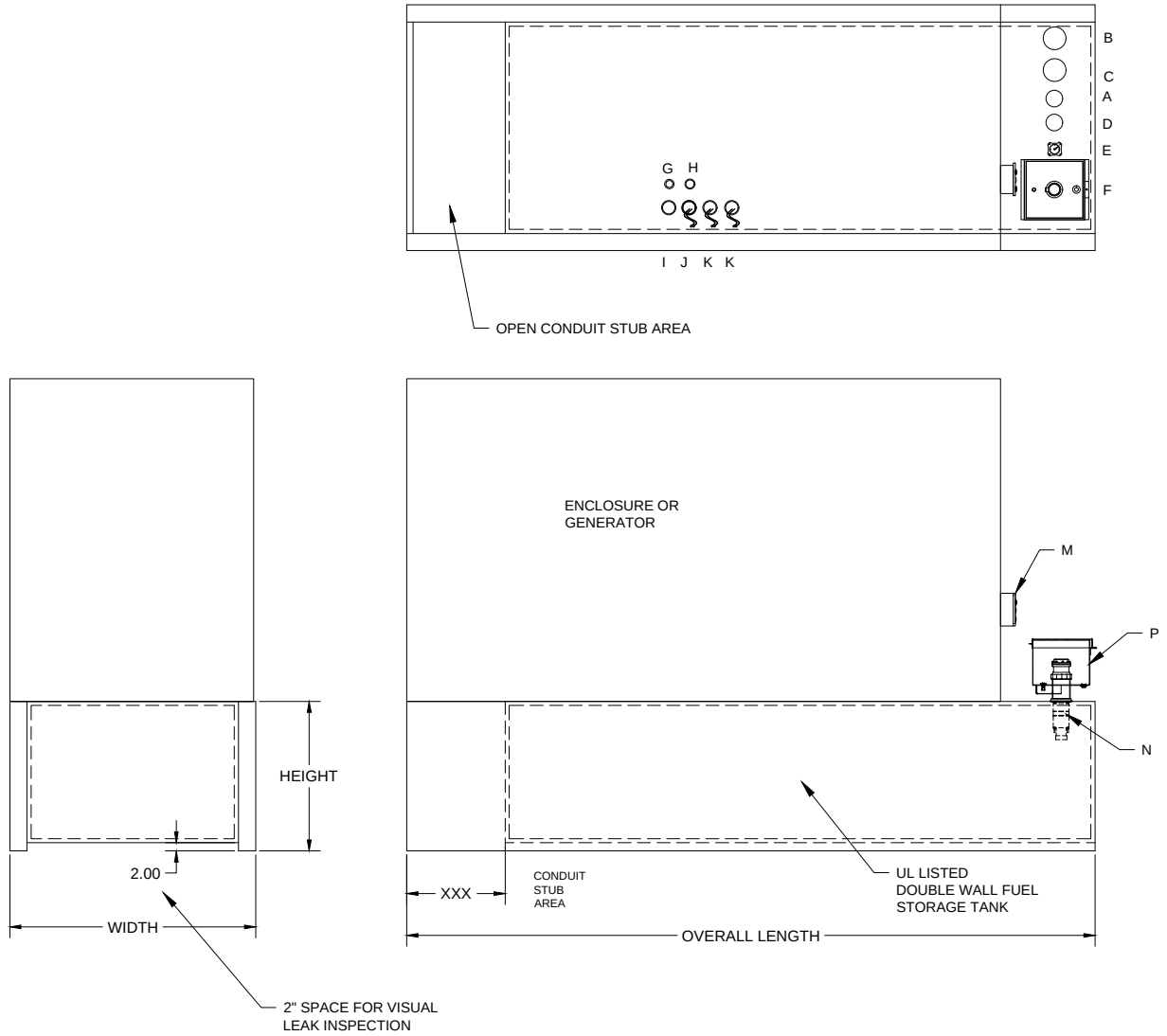
** TANK PORTS VARY IN LOCATION DUE TO INNER CONSTRUCTION OF SUB BASE TANK, AND LOCATION OF EQUIPMENT. DEPICTION SHOWN IS A GENERALIZED LOCATION.

TANK EQUIPMENT:

M = FILL ALARM PANEL, LEAK ALARM PANEL. 4LAP3-12, 4LAP3-24 OR OTHER APPROVED DEVICE FROM EQ LIST
N = FUEL FILL STOP VALVE AS REQUIRED FROM APPROVED EQ DEVICE LIST. OVERFILL PREVENTION VALVE OPTIONAL
P = OVERFILL SPILL CONTAINMENT T110 / T111 OR OTHER APPROVED DEVICE FROM EQ LIST

REVISIONS:

| EDITION | DESCRIPTION | DATE |
|---|---|---|
| 0 | ORIGINAL SUBMISSION RELEASE | 02/23/12 |
| 1 | RESUBMIT/GENERAL UPDATE | 04/17/17 |






| Designed by | Checked by | Filename | Date | Reference | Edition |
|---|---|---|---|---|---|
| CFS | KF | APPROVAL | 12/19/11 | NA | 1 |

FLORIDA FDEP

| Drawing Number | Scale | Sheet |
|---|---|---|
| S3810224-1 | N.T.S. | 1/1 |

FREEMAN ENCLOSURE SYSTEMS

## LEAK TEST PROCEDURES :

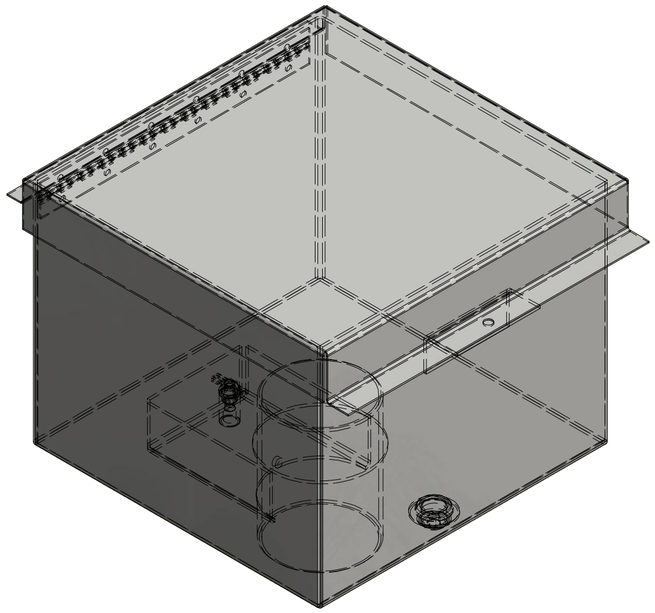
1. INSURE BOX INTERIOR IS FREE OF FUEL RESIDUE AND DEBRIS
2. FILL WITH WATER TO WITHIN 1/4" FROM BOTTOM OF FILL CAP
3. LET STAND FOR 1 HOUR
4. VERIFY WATER LEVEL HAS NOT GONE DOWN
5. INSPECT EXTERIOR FOR VISIBLE LEAKS
6. IF LEAKS ARE FOUND, REMOVE, REPAIR AND REPEAT STEPS 2-4 UNTIL ALL LEAKS ARE COMPLETELY SEALED
7. DO NOT UNSCREW DRAIN COCK DURING TESTING. THIS WILL RELEASE WATER INTO TANK.
8. AFTER TEST IS COMPLETE, DRAIN WATER BY REMOVING EXTERNAL DRAIN PLUG. ADD SEALANT AND REPLACE PLUG

## DRAINAGE PROCEDURES :

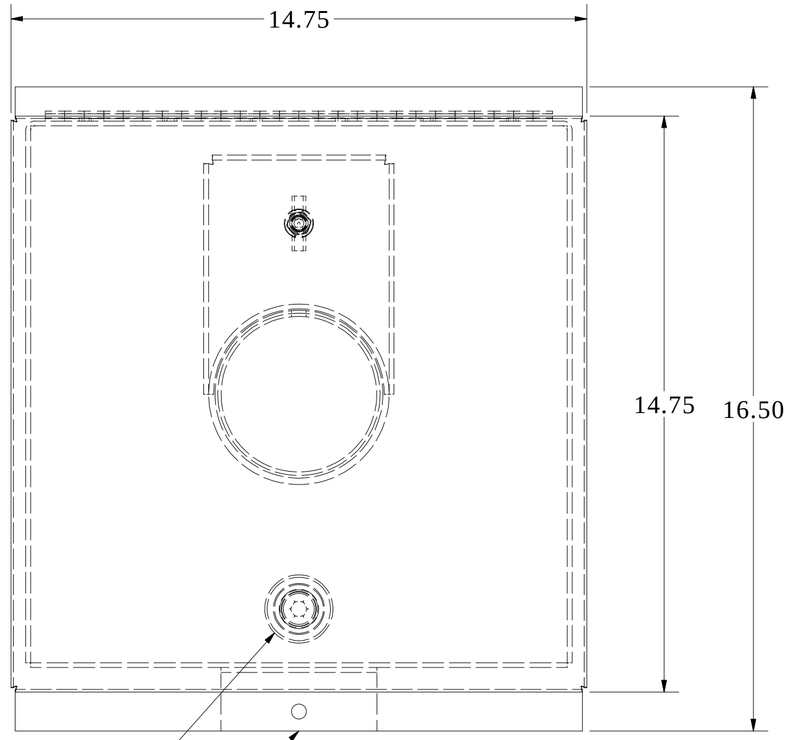
1. WHEN FUEL IS PRESENT IN CONTAINMENT BOX, UNSCREW FUEL DRAIN COCK TO RELEASE FUEL BACK INTO TANK.
2. THE EXTERNAL DRAIN MAY ALSO BE USED BY UNSCREWING STEEL PLUG.
3. USE APPROPRIATE CONTAINER FOR CATCHING DRAINED FLUIDS.
4. DO NOT OVER TIGHTEN FUEL DRAIN COCK AFTER DRAINING FLUID.

## BILL OF MATERIALS :

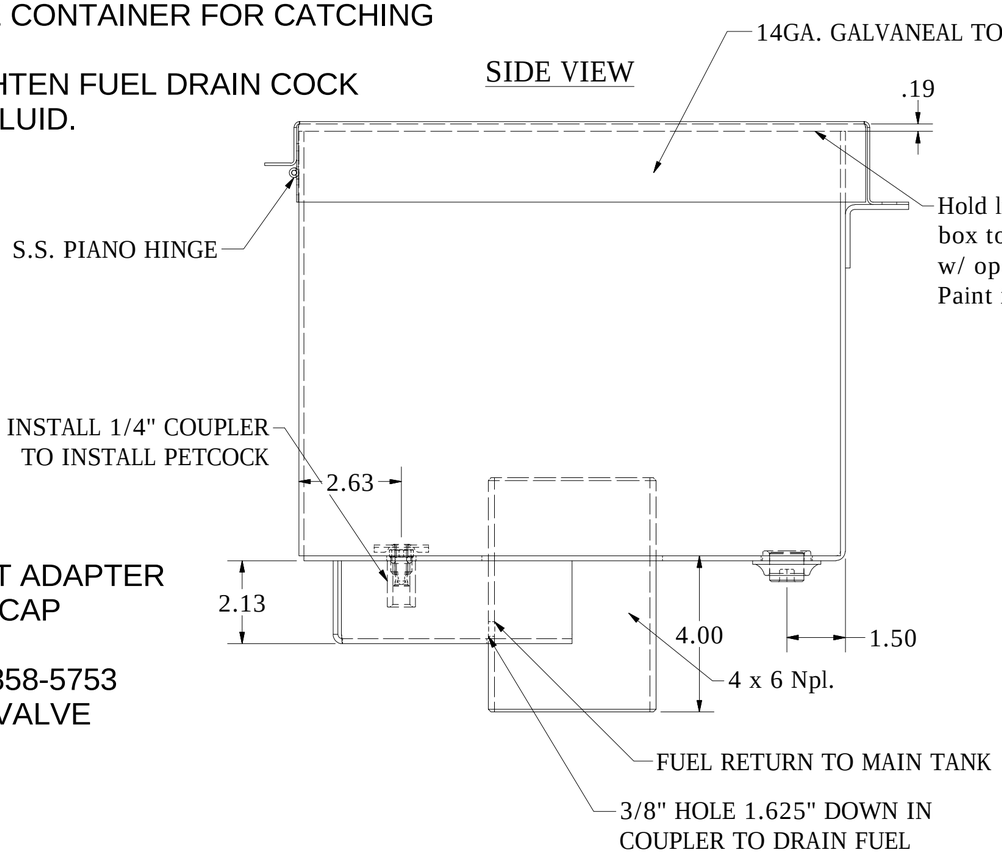
(1) 4" x 6" NIPPLE
(1) 2" ALUMINUM SPOUT ADAPTER
(1) 2" ALUMINUM DUST CAP
(1) 1/4/" COUPLING
(1) FIT 1/4" PETCOCK 0858-5753
(1) MORRISON 9095AA VALVE
(1) 1/2" FLANGE
(1) 1/2" PLUG
(1) S.S. PIANO HINGE
PAINT BLACK



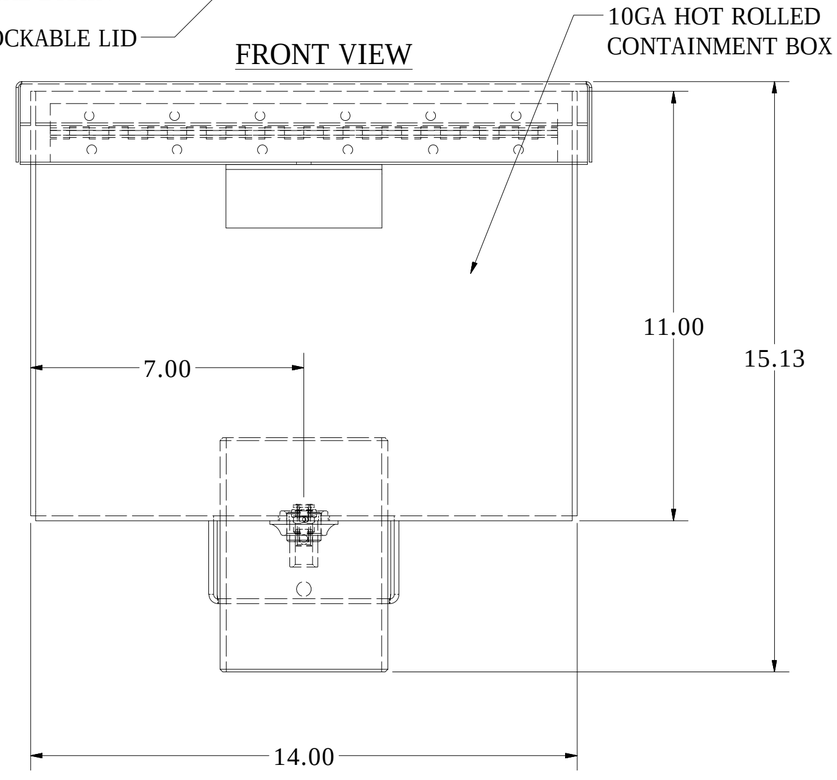
TOP VIEW




SIDE VIEW




FRONT VIEW






| Generator: | Job Name: | | | Job Number: T111 | Rev: 1 |
|---|---|---|---|---|---|
| Description 1: 7GAL. SPILL | Description 2: Standard Configuration | Designed by: lculver | Checked by: CFS | Date: 5/5/2015 | Sheet: 1 of 2 |

FREEMAN ENCLOSURE SYSTEMS

## LEAK TEST PROCEDURES :

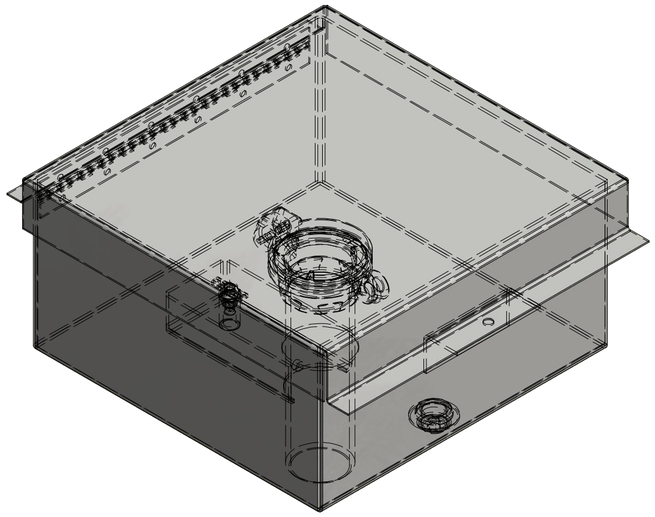
1. INSURE BOX INTERIOR IS FREE OF FUEL RESIDUE AND DEBRIS
2. FILL WITH WATER TO WITHIN 1/4" FROM BOTTOM OF FILL CAP
3. LET STAND FOR 1 HOUR
4. VERIFY WATER LEVEL HAS NOT GONE DOWN
5. INSPECT EXTERIOR FOR VISIBLE LEAKS
6. IF LEAKS ARE FOUND, REMOVE, REPAIR AND REPEAT STEPS 2-4 UNTIL ALL LEAKS ARE COMPLETELY SEALED
7. DO NOT UNSCREW DRAIN COCK DURING TESTING. THIS WILL RELEASE WATER INTO TANK.
8. AFTER TEST IS COMPLETE, DRAIN WATER BY REMOVING EXTERNAL DRAIN PLUG. ADD SEALANT AND REPLACE PLUG

## DRAINAGE PROCEDURES :

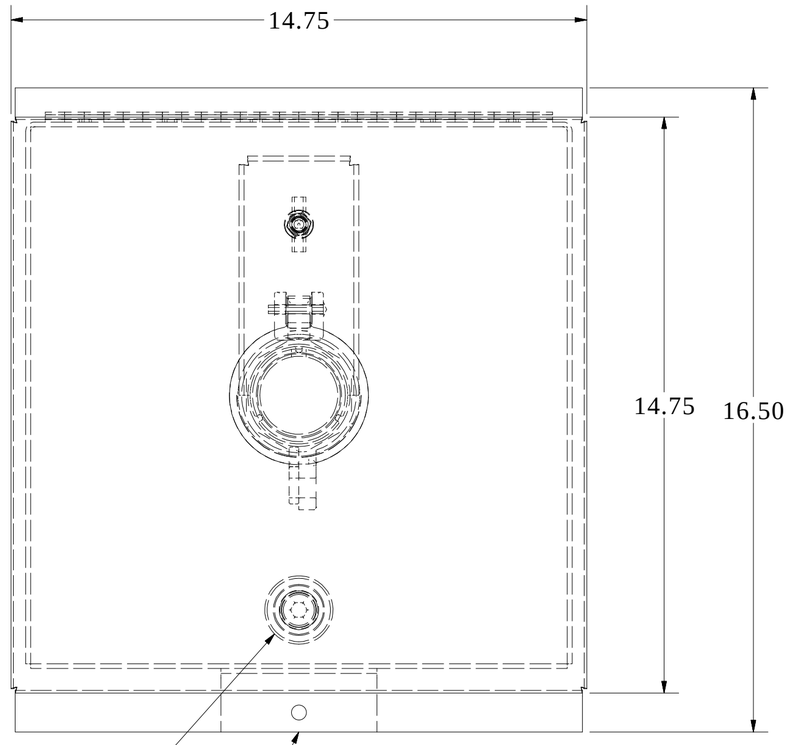
1. WHEN FUEL IS PRESENT IN CONTAINMENT BOX, UNSCREW FUEL DRAIN COCK TO RELEASE FUEL BACK INTO TANK.
2. THE EXTERNAL DRAIN MAY ALSO BE USED BY UNSCREWING STEEL PLUG.
3. USE APPROPRIATE CONTAINER FOR CATCHING DRAINED FLUIDS.
4. DO NOT OVER TIGHTEN FUEL DRAIN COCK AFTER DRAINING FLUID.

## BILL OF MATERIALS :

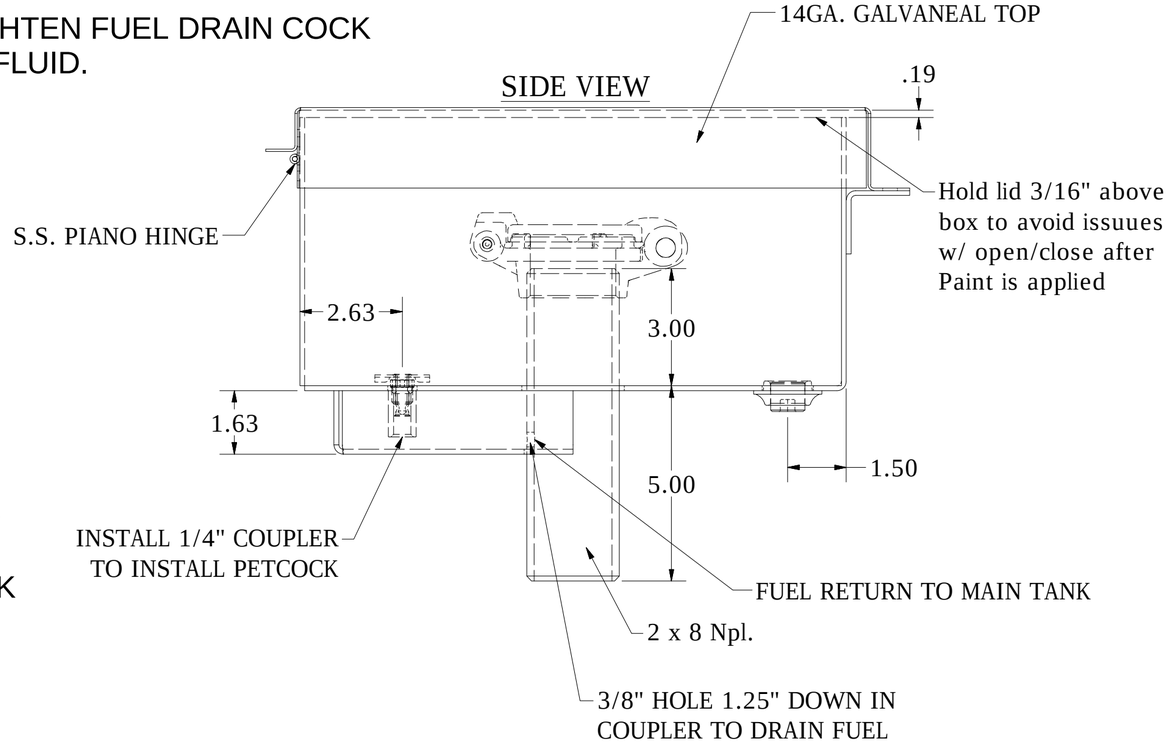
(1) 2 x 8" NIPPLE
(1) 2" FEMALE HINGED LOCKABLE CAP
(1) 0858-5753 PETCOCK
(1) 1/2" FLANGE
(1) 1/2" PLUG
(1) S.S. PIANO HINGE
(1) 1/4" COUPLER
PAINT BLACK



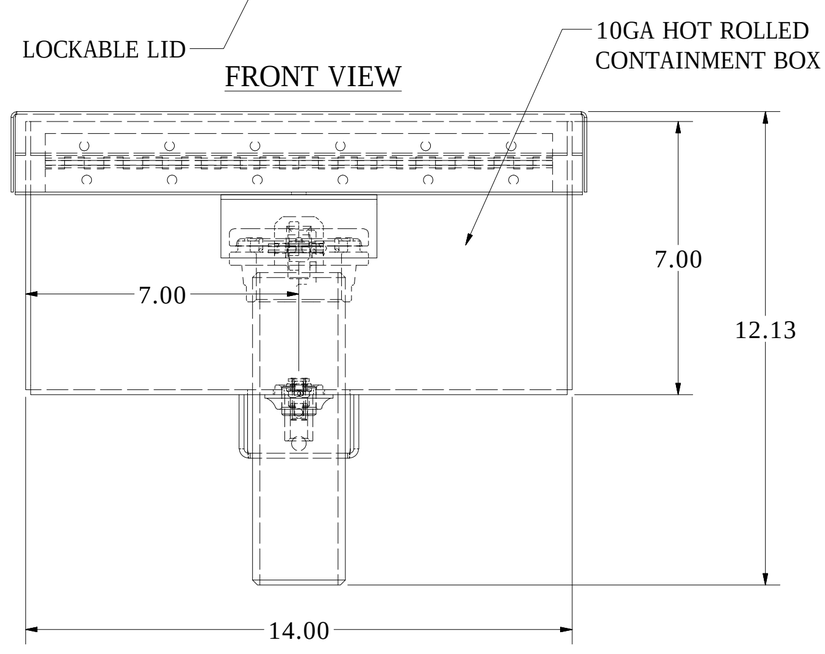
TOP VIEW




SIDE VIEW




FRONT VIEW






| Generator: | Job Name: | | | Job Number: | Rev: |
|---|---|---|---|---|---|
| | | | | T110 | A |
| Description 1: | Description 2: | Designed by: | Checked by: | Date: | Sheet: |
| 5GAL. SPILL | STANDARD CONFIGURATION | lculver | CFS | 5/5/2015 | 1 of 2 |

FREEMAN ENCLOSURE SYSTEMS

FREEMAN
ENCLOSURE SYSTEMS
4160 HALF ACRE DR.
BATAVIA OH, 45103
513-488-8600

# FUEL TANK LEVEL INDICATING SYSTEM

## MODEL- **4LAP3_12VDC**

**CONTROLLER:**
ENCLOSURE: FIBERGLASS 6" X 6" X 4"
POWER: 12VDC (GENERATOR STARTING BATTERIES)

4 PILOT LIGHTS AND 3 DPDT RELAYS ALARMS
TANK LEAK
33% LOW LEVEL
90% HIGH LEVEL
95% CRITICAL HIGH LEVEL

PILOT LIGHTS HAVE PUSH TO TEST FUNCTION.
RELAYS ARE FORM C
WITH 2 DRY ISOLATED OUTPUTS FOR
GENERATOR CONTROL & CUSTOMER CONNECTION.

ALARM HORN & SILENCE ALARM SWITCH.
TERMINALS FOR ALL CONNECTIONS.



| | | | | | | |
|---|---|---|---|---|---|---|
| 4LAP3-12 | | | | | Drawing Number E752031 | REV Number 2 |
| Description COVER SHEET | | | | | FREEMAN ENCLOSURE SYSTEMS | |
| Equipment LAP ALARM PANEL | Designed by SK | Aprvd By JL | Date 07/27/15 | Sheet 1 OF 4 | | |

| DRAWING & REVISION HISTORY | | | |
|---|---|---|---|
| DATE | INITIALS | REV No. | DESCRIPTION |
| 3/22/17 | SK | 2 | REMOVED VENDOR PART, NUMBERS REPLACED WITH FES PART NUMBERS |
| 07/22/15 | SK | 1 | AS-BUILT |
| 07/15/15 | SK | NA | DRAWING CONSTRUCTION SET |



4LAP3-12

Drawing Number: E752031

REV Number: 2

Description: REVISION SHEET

Equipment: LAP ALARM PANEL

Designed by: SK

Aprvd By: JL

Date: 07/27/15

Sheet: 2 OF 4

FREEMAN ENCLOSURE SYSTEMS

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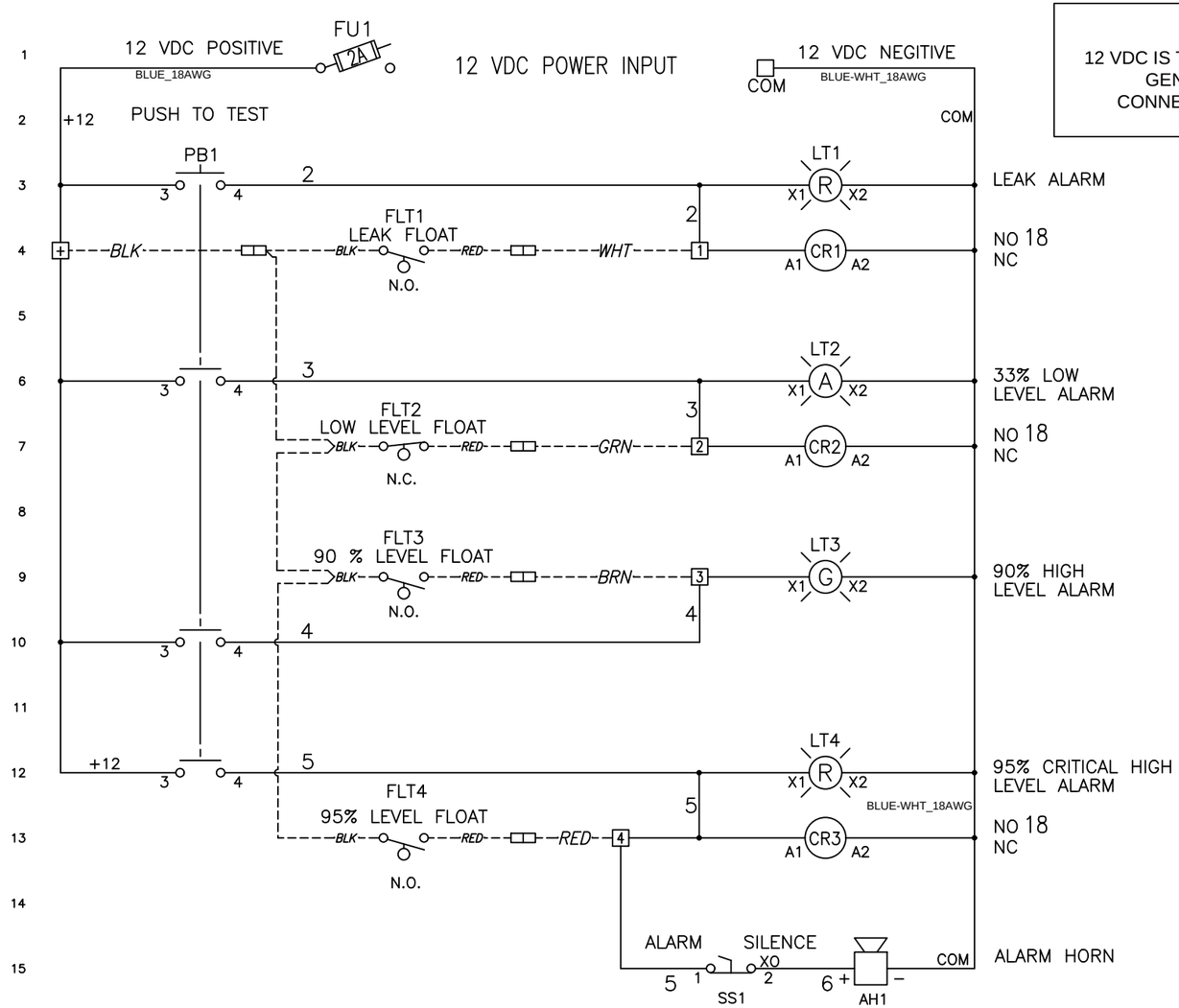
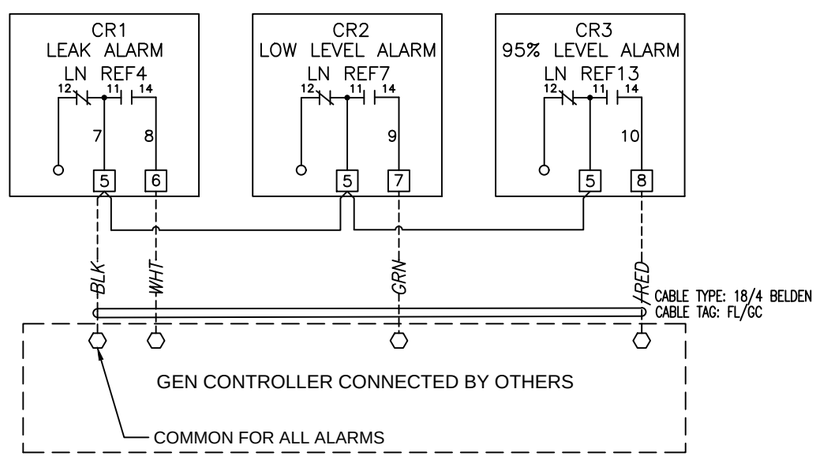
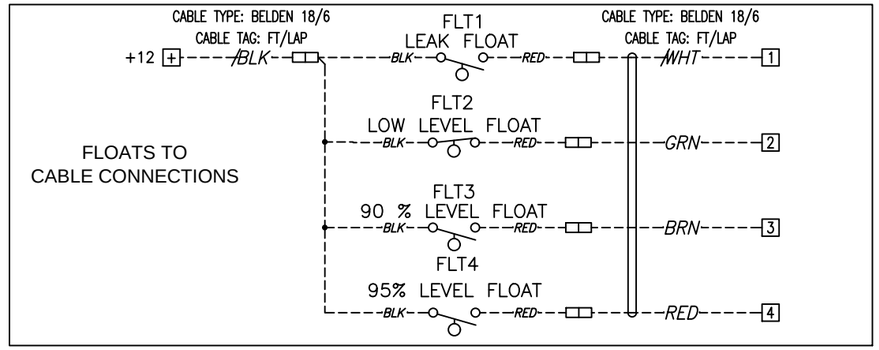


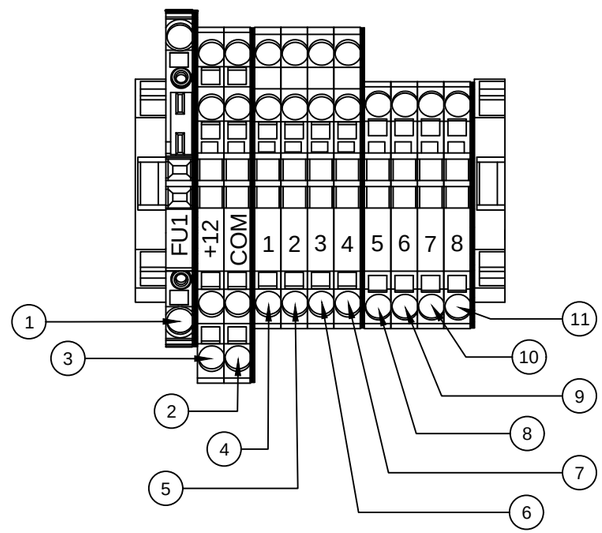




## NOTE

12 VDC IS TYPICALLY SUPPLIED FROM GENERATOR BATTERIES CONNECTED TO THE STARTER




| INPUT POWER/FLOAT/GENCONTROLLER CONNECTIONS | | | | |
|---|---|---|---|---|
| ITEM # | FUSE / TERMINAL # | DESCRIPTION | WIRE COLOR | CABLE TYPE |
| 1 | FU1 | POWER INPUT +12VDC | RED | CUSTOMER CONNECTION |
| 2 | TB COM | - 12VDC POWER INPUT & CONTROLLER FEED | BLACK | |
| 3 | TB +12 | + 12 POWER DISTRIBUTION CONTROLLER/FLOAT FEED | BLACK | BELDEN 18/6 CABLE TAG: FT/LAP |
| 4 | TB 1 | FLT1 LEAK FLOAT INPUT | WHITE | |
| 5 | TB 2 | FLT2 33% LOW LEVEL FLOAT INPUT | GREEN | |
| 6 | TB 3 | FLT3 90% HIGH LEVEL FLOAT INPUT | BROWN | |
| 7 | TB 4 | FLT4 95% CRITICAL HIGH LEVEL FLOAT INPUT | RED | |
| 8 | TB 5 | ALARM COMMON INPUT TO GEN CONTROL | BLACK | BELDEN 18/6 CABLE TAG: FL/GC |
| 9 | TB 6 | LEAK ALARM INPUT TO GEN CONTROL | WHITE | |
| 10 | TB 7 | LOW LEVEL ALARM INPUT TO GEN CONTROL | GREEN | |
| 11 | TB 8 | CRITICAL HIGH LEVEL ALARM INPUT TO GEN CONTROL | RED | |






4LAP3-12

Description: SHCEMATIC

Equipment: LAP ALARM PANEL | Designed by: SK | Aprvd By: JL | Date: 07/27/15 | Sheet: 3 OF 4

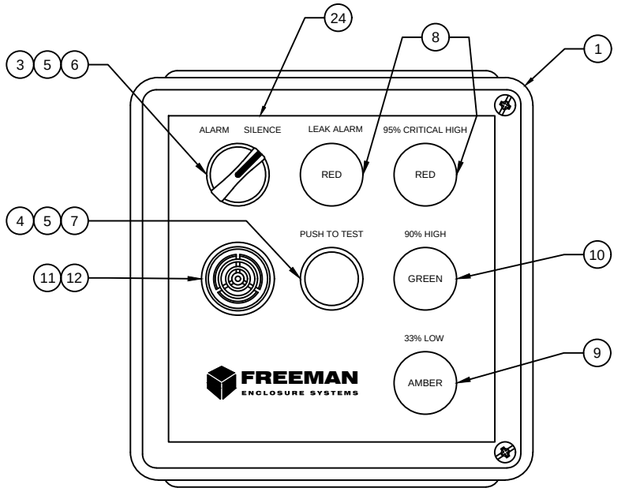
Drawing Number: E752031 | REV Number: 2

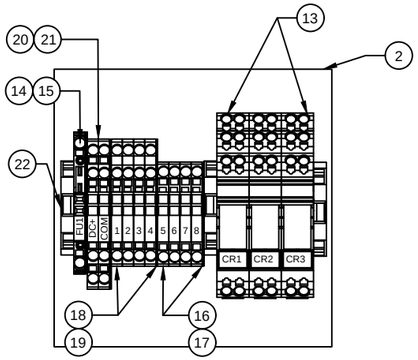
FREEMAN ENCLOSURE SYSTEMS

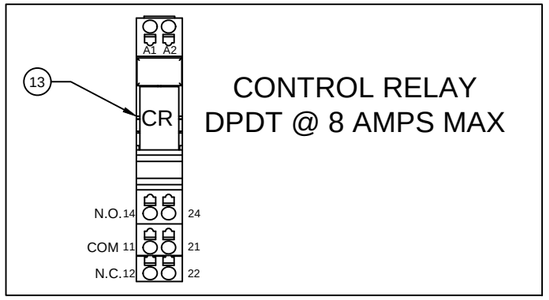
4/13/2017 10:44:52 AM, PDF PRINT DATE

| 4LAP3- 12 VDC BOM | | | | | |
|---|---|---|---|---|---|
| ITEM # | QTY | DESCRIPTION | PART # | MFG | SUPPLIER |
| 1 | 1 | ENCLOSURE 6X6X4 | EL-LAB-HOFF-6X6X4 FG SCRCVR 4R | HOFFMANN | BECKER |
| 2 | 1 | ENCLOSURE BACK PLATE | EL-LAB-HOFFMAN 6X6 PANEL | HOFFMANN | BECKER |
| 3 | 1 | SELECT SWITCH 2 POS MAINT | EL-LAB-SQD ZB5AD2 | SCHNEIDER | BECKER |
| 4 | 1 | PUSH BUTTON MOMENTARY RED | EL-LAB-SQD ZB5AA4 | SCHNEIDER | BECKER |
| 5 | 2 | MOUNTING COLLAR | EL-LAB-SQD ZB5AZ009 | SCHNEIDER | BECKER |
| 6 | 1 | CONTACT BLOCK NC | EL-LAB-SQD ZBE102 | SCHNEIDER | BECKER |
| 7 | 5 | CONTACT BLOCK NO | EL-LAB-SQD ZBE101 | SCHNEIDER | BECKER |
| 8 | 2 | PILOT LIGHT RED | EL-LAB-IDEC HW1P-2FQD-R-12V | IDEC | BECKER |
| 9 | 1 | PILOT LIGHT AMBER | EL-LAB-IDEC HW1P-2FQD-A-12V | IDEC | BECKER |
| 10 | 1 | PILOT LIGHT GREEN | EL-LAB-IDEC HW1P-2FQD-G-12V | IDEC | BECKER |
| 11 | 1 | HORN | EL-LAB-MALLORY SC628NR | SONALERT | BECKER |
| 12 | 1 | HORN GASKET | EL-LAB-MALLORY ACC03 | SONALERT | BECKER |
| 13 | 3 | RELAY 12VDC & BASE | EL-LAB-WAGO 788-311 | WAGO | BECKER |
| 14 | 1 | FUSE TERMINAL BLOCK | EL-LAB-WAGO 2002-1681 | WAGO | BECKER |
| 15 | 1 | FUSE BLOCK END PLATE | EL-LAB-WAGO 2002-1692 | WAGO | BECKER |
| 16 | 4 | TERMINAL 2 POLE 22-12 AWG | EL-LAB-WAGO 2002-1201 | WAGO | BECKER |
| 17 | 1 | TERMINAL END PLATE 2 POLE 22-12 AWG | EL-LAB-WAGO 2002-1292 | WAGO | BECKER |
| 18 | 4 | TERMINAL 3 POLE 22-12 AWG | EL-LAB-WAGO 2002-1301 | WAGO | BECKER |
| 19 | 1 | TERMINAL END PLATE 3 POLE 22-12 AWG | EL-LAB-WAGO 2002-1392 | WAGO | BECKER |
| 20 | 2 | TERMINAL 4 POLE 22-12 AWG | EL-LAB-WAGO 2002-1401 | WAGO | BECKER |
| 21 | 1 | TERMINAL END PLATE 4POLE 22-12 AWG | EL-LAB-WAGO 2002-1492 | WAGO | BECKER |
| 22 | 2 | DIN RAIL CLAMPS | EL-LAB-WAGO 249-116 | WAGO | BECKER |
| 23 | 5" | DIN RAIL | EL-LAB-WAGO 210-112 | WAGO | BECKER |
| 24 | 1 | FACE PLATE | EL-LAB- 4LAP FACIAL PLATE | E C SHAW | E C SHAW |

## RELAY ENCLOSURE BACK PLATE LAYOUT

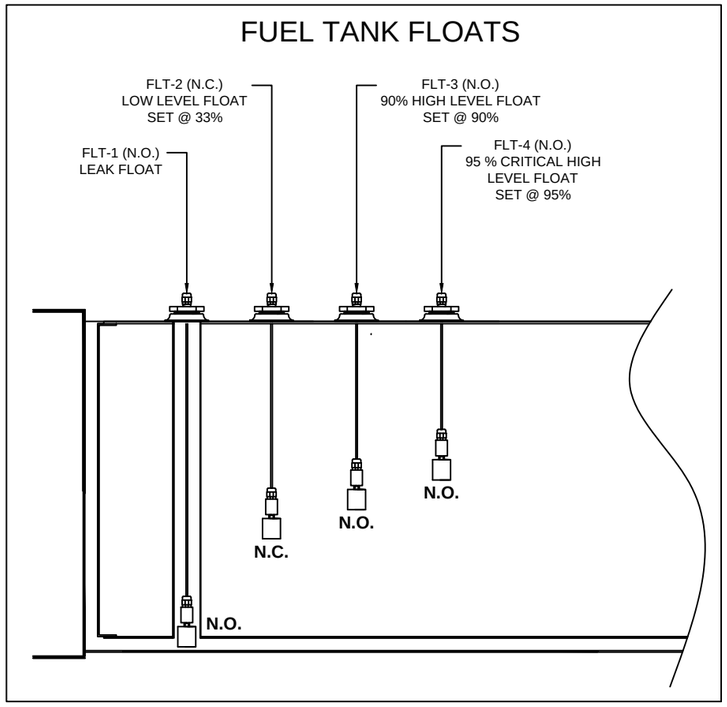


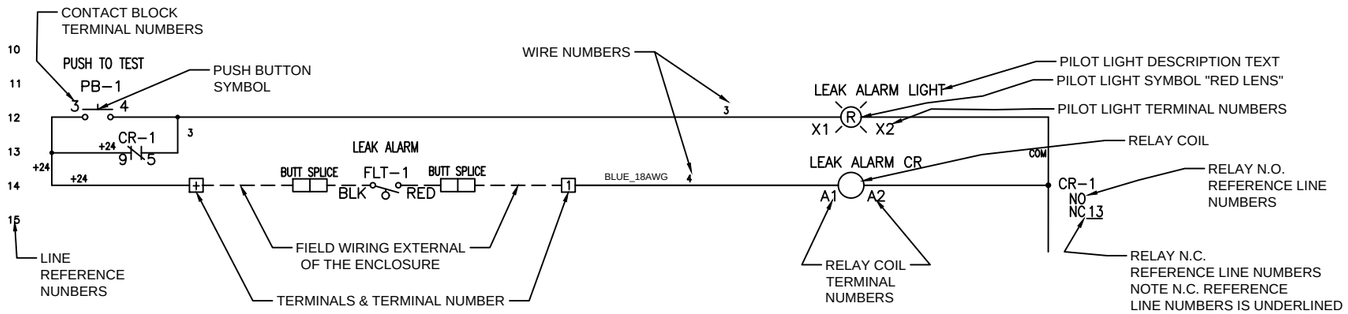




CONTROL RELAY
DPDT @ 8 AMPS MAX

## FUEL TANK FLOATS




## SCHEMATIC LEGEND






| | | | | | | |
|---|---|---|---|---|---|---|
| 4LAP3-12 | | | | | Drawing Number E752031 | REV Number 2 |
| Description LAYOUT & BOM | | | | | | |
| Equipment LAP ALARM PANEL | Designed by SK | Aprvd By JL | Date 07/27/15 | Sheet 4 OF 4 | FREEMAN ENCLOSURE SYSTEMS | |

FREEMAN
ENCLOSURE SYSTEMS
4160 HALF ACRE DR.
BATAVIA OH, 45103
513-488-8600

# FUEL TANK LEVEL INDICATING SYSTEM

## MODEL- **4LAP3_24VDC**

**CONTROLLER:**
ENCLOSURE: FIBERGLASS 6" X 6" X 4"
POWER: 24VDC (GENERATOR STARTING BATTERIES)

4 PILOT LIGHTS AND 3 DPDT RELAYS ALARMS
TANK LEAK
33% LOW LEVEL
90% HIGH LEVEL
95% CRITICAL HIGH LEVEL

PILOT LIGHTS HAVE PUSH TO TEST FUNCTION.
RELAYS ARE FORM C
WITH 2 DRY ISOLATED OUTPUTS FOR
GENERATOR CONTROL & CUSTOMER CONNECTION.

ALARM HORN & SILENCE ALARM SWITCH.
TERMINALS FOR ALL CONNECTIONS.



| | | | | | | |
|---|---|---|---|---|---|---|
| 4LAP3-24 | | | | | Drawing Number E752032 | REV Number 3 |
| Description COVER SHEET | | | | | FREEMAN ENCLOSURE SYSTEMS | |
| Equipment LAP ALARM PANEL | Designed by SK | Aprvd By JL | Date 07/27/15 | Sheet 1 OF 4 | | |

| DRAWING & REVISION HISTORY | | | |
|---|---|---|---|
| DATE | INITIALS | REV No. | DESCRIPTION |
| 03/22/17 | SK | 3 | REVISED DRAWING DETAILS |
| 09/08/15 | SK | 2 | FLOAT WIRE COLORS |
| 07/22/15 | SK | 1 | AS-BUILT |
| 07/15/15 | SK | NA | DRAWING CONSTRUCTION SET |



4LAP3-24

Drawing Number: E752032

REV Number: 3

Description: REVISION SHEET

| Equipment | Designed by | Aprvd By | Date | Sheet |
|---|---|---|---|---|
| LAP ALARM PANEL | SK | JL | 07/27/15 | 2 OF 4 |

FREEMAN ENCLOSURE SYSTEMS

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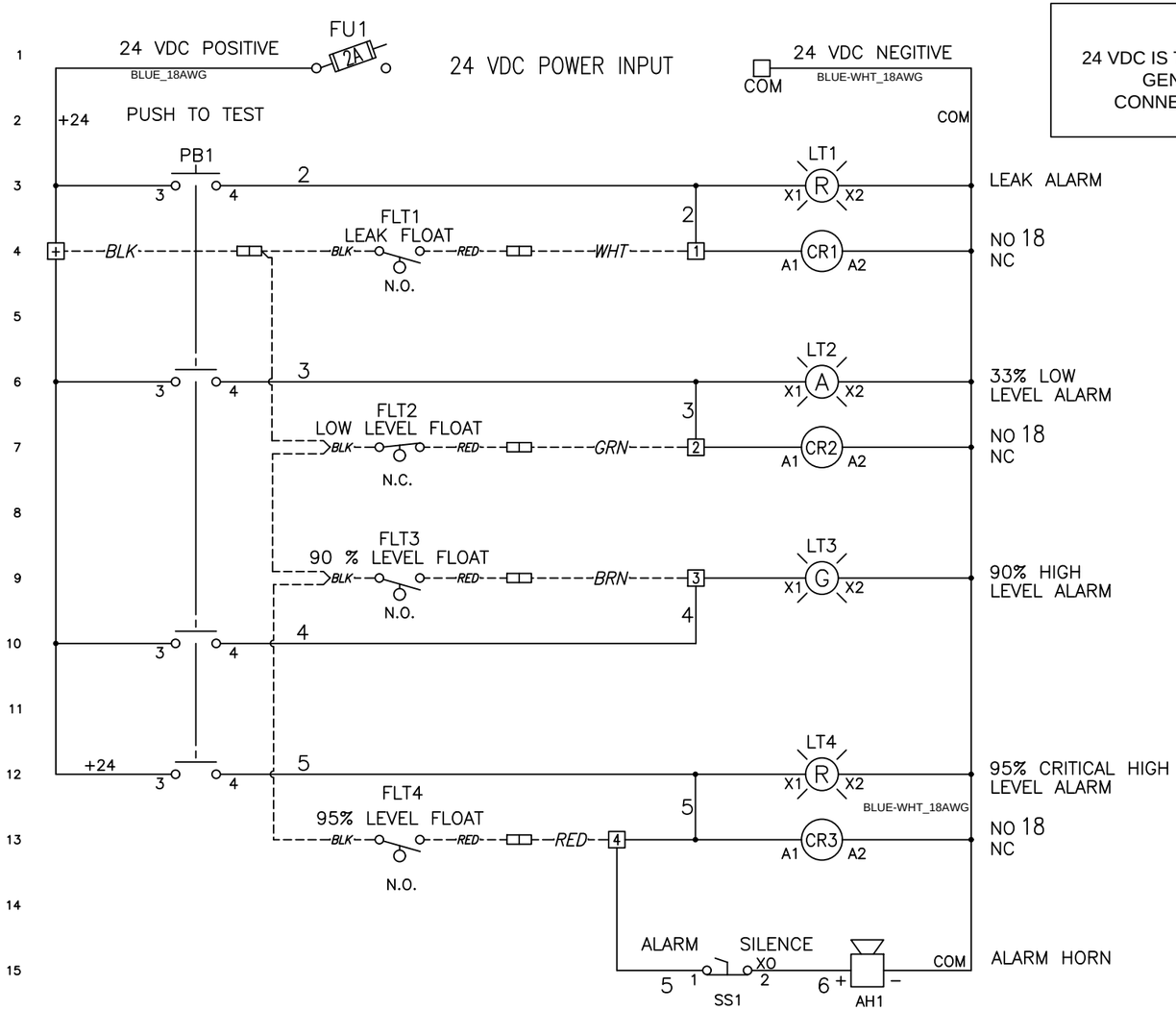
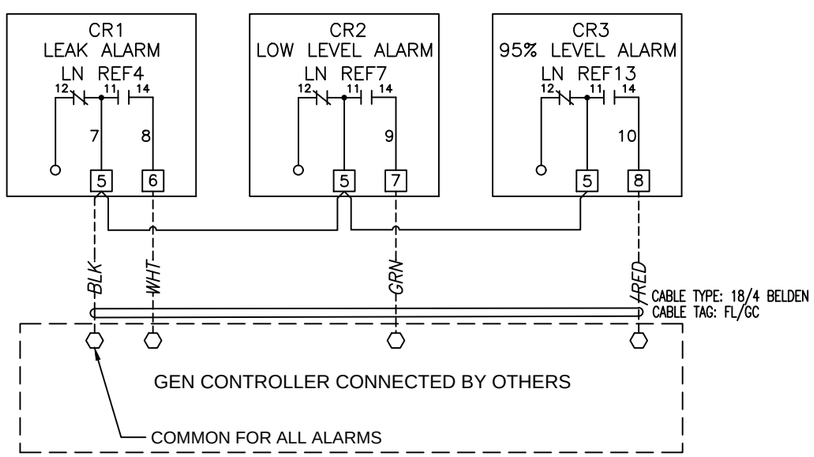
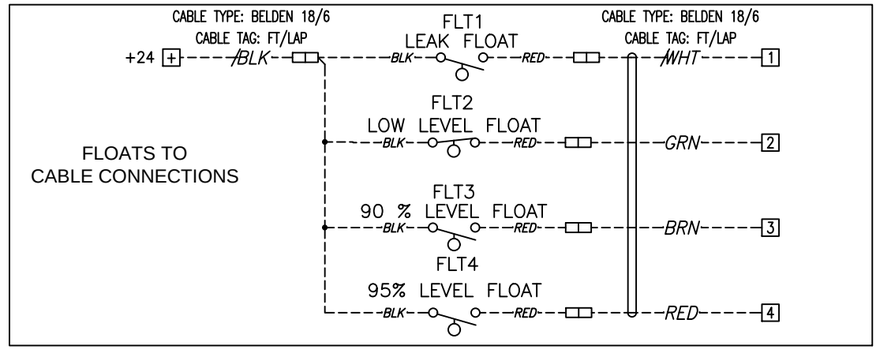


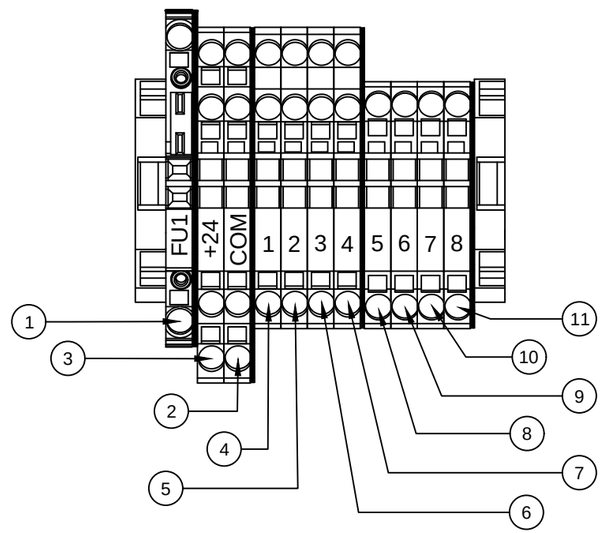




## NOTE

24 VDC IS TYPICALLY SUPPLIED FROM GENERATOR BATTERIES CONNECTED TO THE STARTER




| INPUT POWER/FLOAT/GENCONTROLLER CONNECTIONS | | | | |
|---|---|---|---|---|
| ITEM # | FUSE / TERMINAL # | DESCRIPTION | WIRE COLOR | CABLE TYPE |
| 1 | FU1 | POWER INPUT +24VDC | RED | CUSTOMER CONNECTION |
| 2 | TB COM | - 24VDC POWER INPUT & CONTROLLER FEED | BLACK | |
| 3 | TB +24 | + 24 POWER DISTRIBUTION CONTROLLER/FLOAT FEED | BLACK | BELDEN 18/6 CABLE TAG: FT/LAP |
| 4 | TB 1 | FLT1 LEAK FLOAT INPUT | WHITE | |
| 5 | TB 2 | FLT2 33% LOW LEVEL FLOAT INPUT | GREEN | |
| 6 | TB 3 | FLT3 90% HIGH LEVEL FLOAT INPUT | BROWN | |
| 7 | TB 4 | FLT4 95% CRITICAL HIGH LEVEL FLOAT INPUT | RED | |
| 8 | TB 5 | ALARM COMMON INPUT TO GEN CONTROL | BLACK | BELDEN 18/6 CABLE TAG: FL/GC |
| 9 | TB 6 | LEAK ALARM INPUT TO GEN CONTROL | WHITE | |
| 10 | TB 7 | LOW LEVEL ALARM INPUT TO GEN CONTROL | GREEN | |
| 11 | TB 8 | CRITICAL HIGH LEVEL ALARM INPUT TO GEN CONTROL | RED | |






4LAP3-24

Description: SHCEMATIC

Equipment: LAP ALARM PANEL | Designed by: SK | Aprvd By: JL | Date: 07/27/15 | Sheet: 3 OF 4

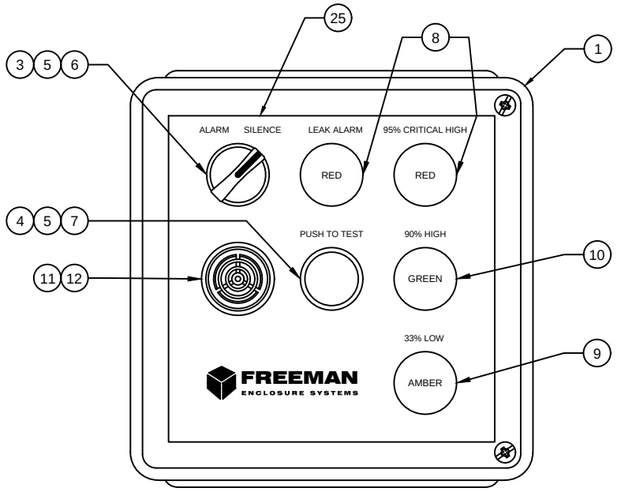
Drawing Number: E752032 | REV Number: 3

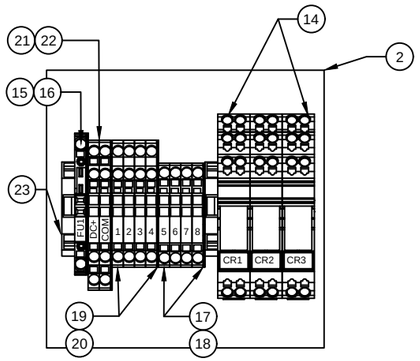
FREEMAN ENCLOSURE SYSTEMS

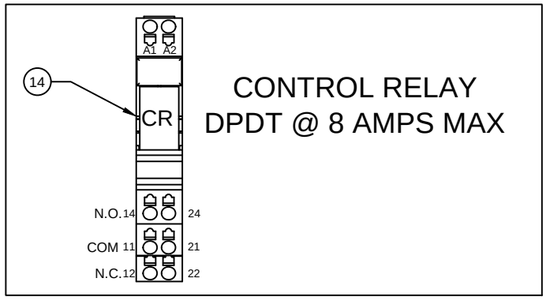
4/12/2017 2:57:01 PM, PDF PRINT DATE

| 4LAP3- 24 VDC BOM | | | | | |
|---|---|---|---|---|---|
| ITEM # | QTY | DESCRIPTION | PART # | MFG | SUPPLIER |
| 1 | 1 | ENCLOSURE 6X6X4 | EL-LAB-HOFF-6X6X4 FG SCRCVR 4R | HOFFMANN | BECKER |
| 2 | 1 | ENCLOSURE BACK PLATE | EL-LAB-HOFFMAN 6X6 PANEL | HOFFMANN | BECKER |
| 3 | 1 | SELECT SWITCH 2 POS MAINT | EL-LAB-SQD ZB5AD2 | SCHNEIDER | BECKER |
| 4 | 1 | PUSH BUTTON MOMENTARY RED | EL-LAB-SQD ZB5AA4 | SCHNEIDER | BECKER |
| 5 | 2 | MOUNTING COLLAR | EL-LAB-SQD ZB5AZ009 | SCHNEIDER | BECKER |
| 6 | 1 | CONTACT BLOCK NC | EL-LAB-SQD ZBE102 | SCHNEIDER | BECKER |
| 7 | 5 | CONTACT BLOCK NO | EL-LAB-SQD ZBE101 | SCHNEIDER | BECKER |
| 8 | 2 | PILOT LIGHT RED | EL-LAB-IDEC HW1P-2FQD-R-24V | IDEC | BECKER |
| 9 | 1 | PILOT LIGHT AMBER | EL-LAB-IDEC HW1P-2FQD-A-24V | IDEC | BECKER |
| 10 | 1 | PILOT LIGHT GREEN | EL-LAB-IDEC HW1P-2FQD-G-24V | IDEC | BECKER |
| 11 | 1 | HORN | EL-LAB-MALLORY SC628NR | SONALERT | BECKER |
| 12 | 1 | HORN GASKET | EL-LAB-MALLORY ACC03 | SONALERT | BECKER |
| 13 | 1 | BACK PLATE ASSEMBLY (ITEMS 14-24) | EL-LAB-WAGO 60251174 | WAGO | BECKER |
| 14 | 3 | RELAY & BASE | EL-LAB-WAGO 788-312 | WAGO | BECKER |
| 15 | 1 | FUSE TERMINAL BLOCK | EL-LAB-WAGO 2002-1681 | WAGO | BECKER |
| 16 | 1 | FUSE BLOCK END PLATE | EL-LAB-WAGO 2002-1692 | WAGO | BECKER |
| 17 | 4 | TERMINAL 2 POLE 22-12 AWG | EL-LAB-WAGO 2002-1201 | WAGO | BECKER |
| 18 | 1 | TERMINAL END PLATE 2 POLE 22-12 AWG | EL-LAB-WAGO 2002-1292 | WAGO | BECKER |
| 19 | 4 | TERMINAL 3 POLE 22-12 AWG | EL-LAB-WAGO 2002-1301 | WAGO | BECKER |
| 20 | 1 | TERMINAL END PLATE 3 POLE 22-12 AWG | EL-LAB-WAGO 2002-1392 | WAGO | BECKER |
| 21 | 2 | TERMINAL 4 POLE 22-12 AWG | EL-LAB-WAGO 2002-1401 | WAGO | BECKER |
| 22 | 1 | TERMINAL END PLATE 4POLE 22-12 AWG | EL-LAB-WAGO 2002-1492 | WAGO | BECKER |
| 23 | 2 | DIN RAIL CLAMPS | EL-LAB-WAGO 249-116 | WAGO | BECKER |
| 24 | 5" | DIN RAIL | EL-LAB-WAGO 210-112 | WAGO | BECKER |
| 25 | 1 | FACE PLATE | EL-LAB- 4LAP FACIAL PLATE | E C SHAW | E C SHAW |

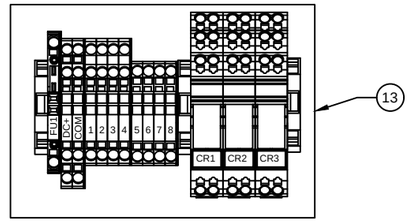
## RELAY ENCLOSURE BACK PLATE LAYOUT



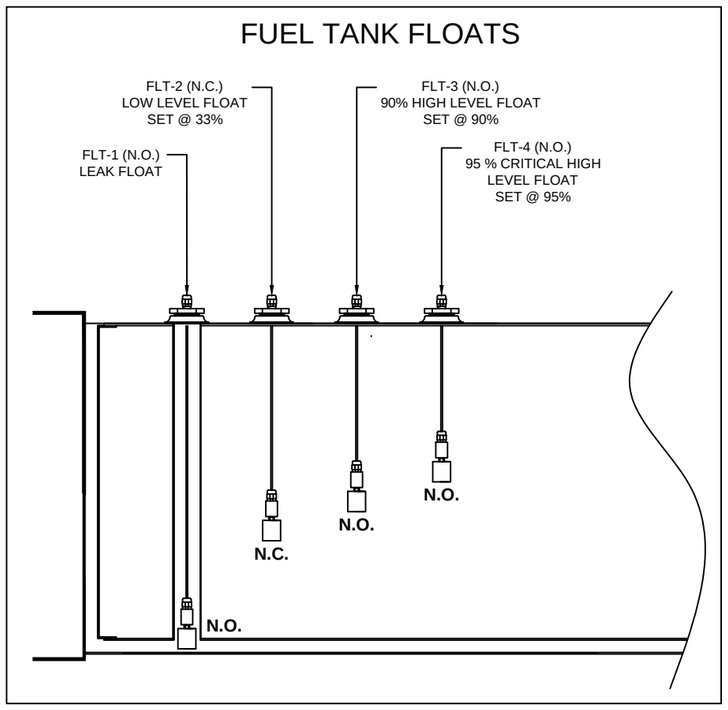



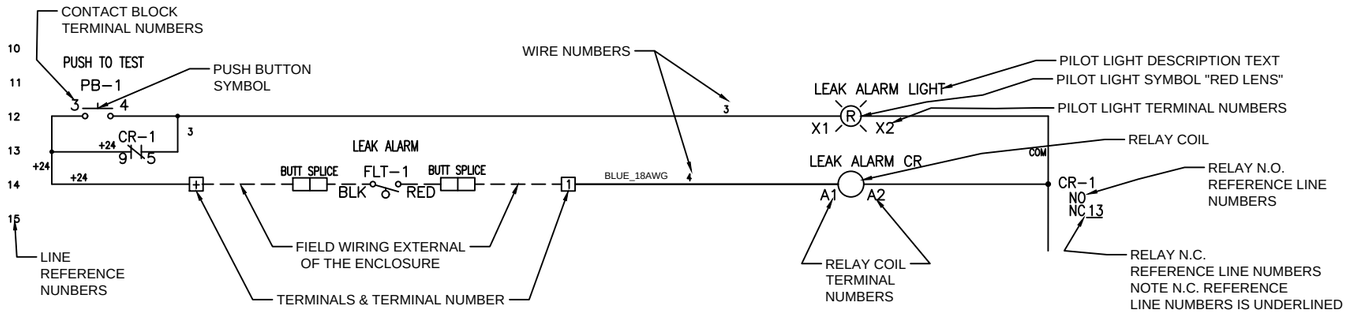

## CONTROL RELAY
## DPDT @ 8 AMPS MAX




## FUEL TANK FLOATS




## SCHEMATIC LEGEND






| | | | | | |
|---|---|---|---|---|---|
| 4LAP3-24 | | | | Drawing Number E752032 | REV Number 3 |
| Description SHCEMATIC | | | | | |
| Equipment LAP ALARM PANEL | Designed by SK | Aprvd By JL | Date 07/27/15 | Sheet 4 OF 4 | FREEMAN ENCLOSURE SYSTEMS |

Florida Department of
Environmental Protection
Bob Martinez Center
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Rick Scott
Governor

Jennifer Carroll
Lt. Governor

Herschel T. Vinyard Jr.
Secretary

April 10, 2012

**Certified Mail, Return Receipt Requested**
**Number 7009 0820 0001 2298 5434**

Mr. Dale A. Freeman
Freeman Enclosure Systems, LLC
4160 Half Acre Road
Batavia, OH 45103

Subject: Approval of the Freeman Enclosure Systems, Special Purpose Aboveground Storage Tanks under Underwriters Laboratory listings UL142 and UL 2085, Reference File Numbers: MH47836 Vol. 1, MH47836 Vol. ST1, MH47836 Vol. ST2, MH47836 Vol. CN1, MH48714 Vol. ST1, and MH48714 Vol. CN1.
File No. EQ-785

Dear Mr. Freeman:

The Bureau of Petroleum Storage Systems has concluded its review of the Equipment Approval request dated February 27, 2012 that was submitted for the Freeman Enclosure Systems, Special Purpose Aboveground Storage Tanks under Underwriters Laboratory listings UL142 and UL 2085, Reference File Numbers: MH47836 Vol. 1, MH47836 Vol. ST1, MH47836 Vol. ST2, MH47836 Vol. CN1, MH48714 Vol. ST1, and MH48714 Vol. CN1, pursuant to Rules 62-762.501(1)(e), and 62-761.500(2)(b), Florida Administrative Code (F.A.C.). The listed special purpose aboveground storage tanks are to be used primarily as stand-by generator tanks.

Based on the information provided by Freeman Enclosure Systems, LLC, the Department finds that the applicant's Special Purpose Aboveground Storage Tanks under Underwriters Laboratory listings UL142 and UL 2085, Reference File Numbers: MH47836 Vol. 1, MH47836 Vol. ST1, MH47836 Vol. ST2, MH47836 Vol. CN1, MH48714 Vol. ST1, and MH48714 Vol. CN1 provide environmental protection substantially equivalent to that provided by compliance with the requirements established in Rules 62-762.501(1)(e), and 62-761.500(2)(b), F.A.C. and may be installed and used as aboveground storage tanks.

Pursuant to Rule 62-762.851(2), F.A.C., the request for the use of the Freeman Enclosure Systems, Special Purpose Aboveground Storage Tanks Under Underwriters Laboratory listings UL142 and UL 2085, Reference File Numbers: MH47836 Vol. 1, MH47836 Vol. ST1, MH47836 Vol. ST2, MH47836 Vol. CN1, MH48714 Vol. ST1, and MH48714 Vol. CN1 is approved in the State of Florida as special purpose aboveground storage tanks. The aboveground storage tank systems meet the performance standards contained in Rules 62-762.501(1)(e), and 62-761.500(2)(b), F.A.C. Installation shall be made in accordance with the manufacturer's recommendations.

Please be advised that the above referenced DEP rules are subject to change. If the above rule standards are modified in the future, this order may be modified or rescind for future upgrades and installations. Additionally, if the product(s) show a consistent pattern of failure(s), and therefore does not provide substantially equivalent environmental protection, the Department may rescind this order.

The Department's Order shall become final unless a timely petition for an administrative hearing is filed under sections 120.569 and 120.57, F.S., within **21** days of receipt of this Order. Persons who have filed such a petition may seek to mediate the dispute and choosing mediation will not adversely affect the right to a hearing if mediation does not result in a settlement. The procedures for petitioning a hearing and pursuing mediation are set forth below.

Persons affected by this Order have the following options:

A. If you choose to accept the Department's decision regarding the Order, you do not have to do anything. This Order is final and effective as of the date on the top of the first page of this Order.

B. If you choose to challenge the decision, you may do the following:

1. File a request for an extension of time to file a petition for hearing with the Department's Agency Clerk in the Office of General Counsel within **21** days of receipt of this Order. This request should be made if you wish to meet with the Department in an attempt to resolve any disputes without first filing a petition for hearing or negotiate an agreement to mediate; or
2. File a petition for administrative hearing with the Department's Agency Clerk in the Office of General Counsel within **21** days of receipt of this Order.
3. In addition to requesting an administrative hearing, any petitioner may elect to pursue mediation under Section 120.573, F.S., and must negotiate an agreement to mediate within **10** days after the deadline for filing a petition.

How to Request an Extension of Time to File a Petition for Hearing

For good cause shown, pursuant to Rule 62-110.106(4), F.A.C., the Department may grant a request for an extension of time to file a petition for hearing. Such a request must be filed (received) by the Agency Clerk in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida, 32399-3000, within **21** days of receipt of this Order. Petitioner, if different from the applicant, shall mail a copy of the request to the applicant at the time of filing. Failure to file a petition within this time period shall waive the right of anyone who may request an administrative hearing under Sections 120.569 and 120.57, F.S.

How to File a Petition for Administrative Hearing

A person whose substantial interests are affected by this Order may petition for an administrative proceeding (hearing) under Sections 120.569 and 120.57, F.S. The petition must contain the information set forth below and must be filed (received) by the Agency Clerk in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, MS 35, Tallahassee, Florida, 32399-3000, within **21** days of receipt of this Order. Petitioner, if different from the applicant shall mail a copy of the petition to the applicant at the time of filing. Failure to file a petition within this time period shall waive the right of anyone who may request an administrative hearing under Sections 120.569 and 120.57, F.S.

Pursuant to Subsection 120.569(2), F.S., and Rule 28-106.201, F.A.C., a petition for administrative hearing shall contain the following information.

a) The name, address, and telephone number of each petitioner; the name, address, and telephone number of the petitioner's representative, if any, the site owner's name and address, if different from the petitioner, the DEP facility number, and the name and address of the facility;
b) A statement of when and how the petitioner received notice of the Department's action or proposed action;
c) An explanation of how each petitioner's substantial interests are or will be affected by the Department's action or proposed action;
d) A statement of the disputed issues of material fact, or a statement that there are no disputed facts;
e) A concise statement of the ultimate facts alleged, including a statement of the specific facts the petitioner contends warrant reversal or modification of the Department's action or proposed action;
f) A statement of the specific rules or statutes the petitioner contends requires reversal or modification of the Department's action or proposed action; and

g) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the Department to take with respect to the Department's action or proposed action.

How to Pursue Mediation

In addition to requesting an administrative hearing, any petitioner may elect to pursue mediation. The election may be accomplished by filing with the Department a mediation agreement with all parties to the proceeding (i.e., the applicant, the Department, and any person who has filed a timely and sufficient petition for hearing). The agreement must contain all the information required by Rule 28-106.404, F.A.C. The agreement, signed by all parties, must be received by the Agency Clerk in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida, 32399-3000 within 10 days after the deadline for filing a petition, as set forth above. Choosing mediation will not adversely affect the right to a hearing if mediation does not result in a settlement.

Pursuant to Rule 28-106.404, F.A.C., an agreement to mediate must include the following.

(i) The name, address, and telephone number of the persons who may attend the mediation, (also the DEP facility number, the name and address of the facility if applicable);
(ii) The name, address, and telephone number of the mediator agreed to by the parties;
(iii) How the costs and fees associated with the mediation will be allocated (the Department will not pay any of the costs of mediation);
(iv) The agreement of the parties regarding the confidentiality of discussions and documents introduced during mediation to the extent authorized by law;
(v) The date, time, and place of the first mediation session;
(vi) The name of the party's representative who shall have authority to settle or recommend settlement; and
(vii) The signature of the parties.

As provided in Section 120.573, F.S., the timely agreement of all parties to mediate will toll the time limitations imposed by Sections 120.569 and 120.57, F.S., for holding an administrative hearing and issuing a final order. Unless otherwise agreed by the parties, the mediation must be concluded within sixty days of the execution of the agreement. If mediation results in settlement of the administrative dispute, the Department must enter a final order incorporating the agreement of the parties. Persons seeking to protect their substantial interests that would be affected by such a modified final decision must file their petitions within 21 days of receipt of this notice,

or they shall be deemed to have waived their right to a proceeding under Sections 120.569 and 120.57, F.S. If mediation terminates without settlement of the dispute, the Department shall notify all parties in writing that the administrative hearing processes under Sections 120.569 and 120.57, F.S., are resumed.

This Order is final and effective as of the date on the top of the first page of this Order. Timely filing a petition for administrative hearing postpones the date this Order takes effect until the Department issues either a final order pursuant to an administrative hearing or mediation settlement.

Judicial Review

Any party to this Order has the right to seek judicial review of it under Section 120.68, F.S., by filing a notice of appeal under Rule 9.110 of the Florida Rules of Appellate Procedure with the Agency Clerk of the Department in the Office of General Counsel, Mail Station 35, 3900 Commonwealth Boulevard, Tallahassee, Florida 32399-3000, and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate district court of appeal. The notice of appeal must be filed within thirty days after this order is filed with the clerk of the Department (see below).

Questions

Any questions regarding the Department's review of your equipment approval should be directed to John Svec at (850)245-8845. Questions regarding legal issues should be referred to Rebecca Robinette, Office of General Counsel, at (850)245-2242. Contact with any of the above does not constitute a petition for administrative hearing, a request for a time extension to file a petition for hearing or an agreement to mediate.

Sincerely,

Robert C. Brown, P.E.
Chief, Bureau of Petroleum Storage Systems

RCB/jps

FILING AND ACKNOWLEDGMENT FILED,
on this date, pursuant to §120.52 Florida Statutes,
with the designated Department Clerk, receipt of
which is hereby acknowledged.

4-11-12

Clerk Date
(or Deputy Clerk)

LEAK TEST PROCEDURES :

1. INSURE BOX INTERIOR IS FREE OF FUEL RESIDUE AND DEBRIS
2. FILL WITH WATER TO WITHIN 1/4" FROM BOTTOM OF FILL CAP
3. LET STAND FOR 1 HOUR
4. VERIFY WATER LEVEL HAS NOT GONE DOWN
5. INSPECT EXTERIOR FOR VISIBLE LEAKS
6. IF LEAKS ARE FOUND, REMOVE, REPAIR AND REPEAT STEPS 2-4 UNTIL ALL LEAKS ARE COMPLETELY SEALED
7. DO NOT PRESS DRAIN VALVE DURING TESTING. THIS WILL RELEASE WATER INTO TANK.
8. AFTER TEST IS COMPLETE, DRAIN WATER BY REMOVING EXTERNAL DRAIN PLUG. ADD SEALANT AND REPLACE PLUG

DRAINAGE PROCEDURES :

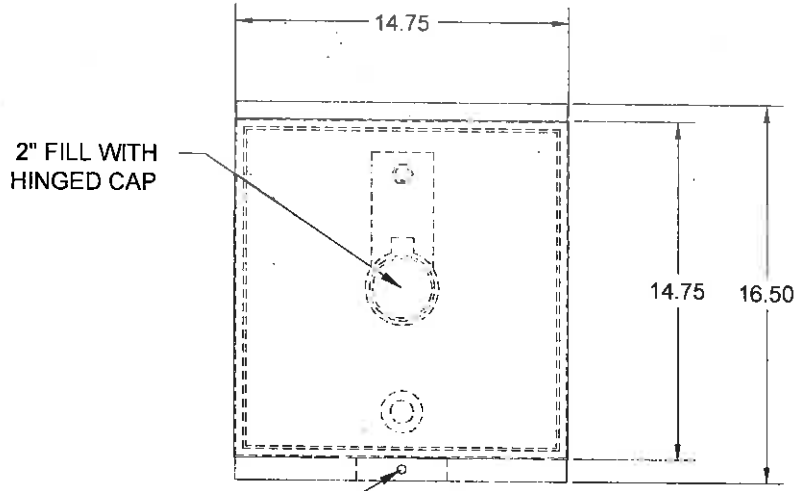
1. WHEN FUEL IS PRESENT IN CONTAINMENT BOX, PUSH DOWN FUEL DRAIN VALVE TO RELEASE FUEL BACK INTO TANK.
2. THE EXTERNAL DRAIN MAY ALSO BE USED BY UN SCREWING STEEL PLUG
3. USE APPROPRIATE CONTAINER FOR CATCHING DRAINED FLUIDS.

BILL OF MATERIALS :

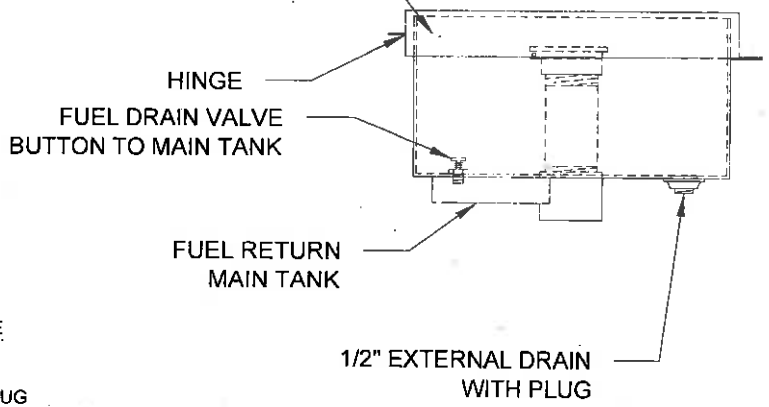
(1) 2" X 4" N.P.T. NIPPLE
(1) 2" N.P.T.COUPLER
(1) 1/2" N.P.T. FLANGE
(1) 1/2" N.P.T. STEEL PLUG
(1) 2" HINGED LOCKABLE CAP
(1) 7/16" FUEL DRAIN VALVE

PAINT SCORPION BLACK

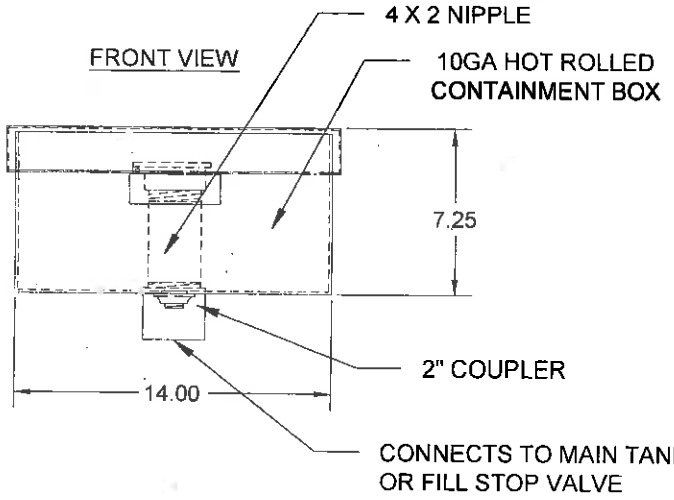
TOP VIEW




SIDE VIEW




FRONT VIEW



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5 GAL SPILL CONTAINMENT

| Description | Drawing Number | Scale | Sheet |
|---|---|---|---|
| FSG | D3810356 | NTS | 1/1 |

FREEMAN ENCLOSURE SYSTEMS

GENERAL NOTES:

1. EMERGENCY VENT SIZING BASED ON UL142 TABLE 8.1
2. PORTS PER UL 142 SECTION 10
3. NORMAL VENTING PER UL 142 SECTION 8.11, TABLE 8.2
4. WELDS AND JOINTS PER UL SECTION 6 FIGURE 6.1, 6.2

GENERAL DESCRIPTION:

SUB BASE FUEL SUPPLY TANK
MINIMUM 10 GAUGE (.125") CONSTRUCTION
UL 142 OR UL 2085 LISTED DOUBLE WALL
NORMAL AND EMERGENCY VENTS
LOW LEVEL, HIGH LEVEL AND LEAK DETECTION
FLOAT SWITCHES
FILL
**MECHANICAL FUEL GAUGE**

ELECTRICAL
LEVEL ALARM PANEL

TANK DATA:
UNDERWRITERS LABORATORIES LISTING MH47836

| | |
|---|---|
| CAPACITY GALLONS: | 0-11,999 |
| GALLONS PER IN OF DEPTH: | NA |
| RUN TIME @ FULL LOAD Hrs: | NA |
| TANK WEIGHT DRY lbs: | NA |
| TANK WEIGHT WET: lbs: | NA |
| CONDUIT STUB AREA: | (STRAIGHT) |
| TANK DIMS INCHES: | 600 MAXL X 164 MAXW X 50 MAXH |
| STATE SPEC: | FLORIDA FDEP |

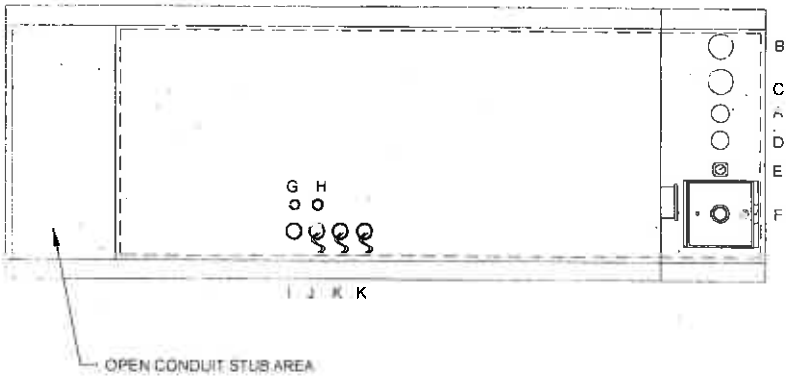
TANK PORTS** :

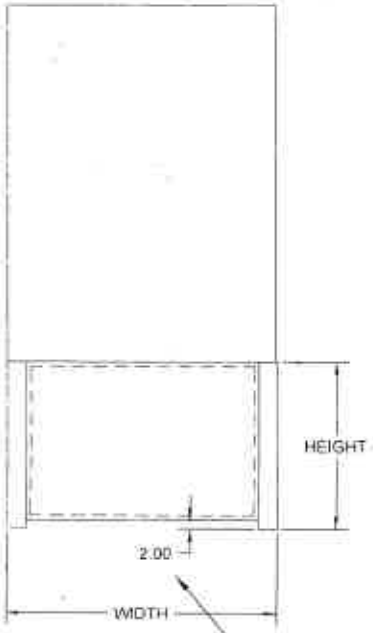
A = 2" NORMAL TANK VENT
B = 3-12" EMERGENCY BASIN VENT
C = 3-12" EMERGENCY TANK VENT
D = 2" TANK SPARE PORT (FNPT)
E = MECHANICAL FUEL LEVEL GAUGE
F = 2" FILL
G = ENGINE SUPPLY
H = ENGINE RETURN
I = 2" TANK SPARE PORT (FNPT)
J = LOW LEVEL FLOAT SWITCH (EQ-682)
K = LEAK DETECTION FLOAT SWITCH (EQ-682)
L = HIGH LEVEL FLOAT SWITCH (EQ-682)

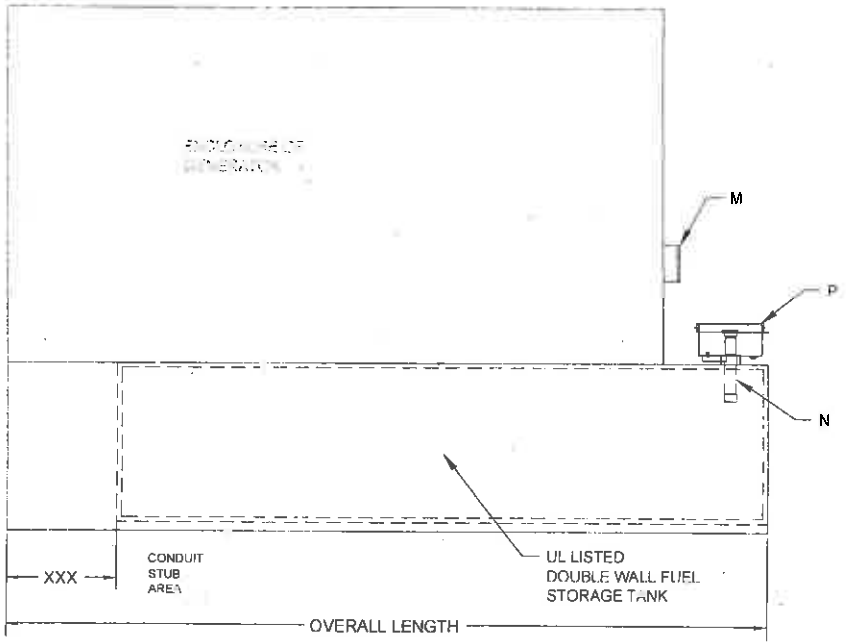
** TANK PORTS VARY IN LOCATION DUE TO INNER CONSTRUCTION OF SUB BASE TANK, AND LOCATION OF EQUIPMENT. DEPICTION SHOWN IS A GENERALIZED LOCATION.

TANK EQUIPMENT:

M = FILL ALARM PANEL, LEAK ALARM PANEL AP-3, AP-3R OR OTHER APPROVED DEVICE FROM EQ LIST
N = FUEL FILL STOP VALVE AS REQUIRED FROM APPROVED EQ DEVICE LIST
P = OVERFILL SPILL CONTAINMENT F5G OR OTHER APPROVED DEVICE FROM EQ LIST




REVISIONS

| EDITION | DESCRIPTION | DATE |
|---|---|---|
| 0 | ORIGINAL SUBMISSION RELEASE | 02/23/12 |



| | | | | | |
|---|---|---|---|---|---|
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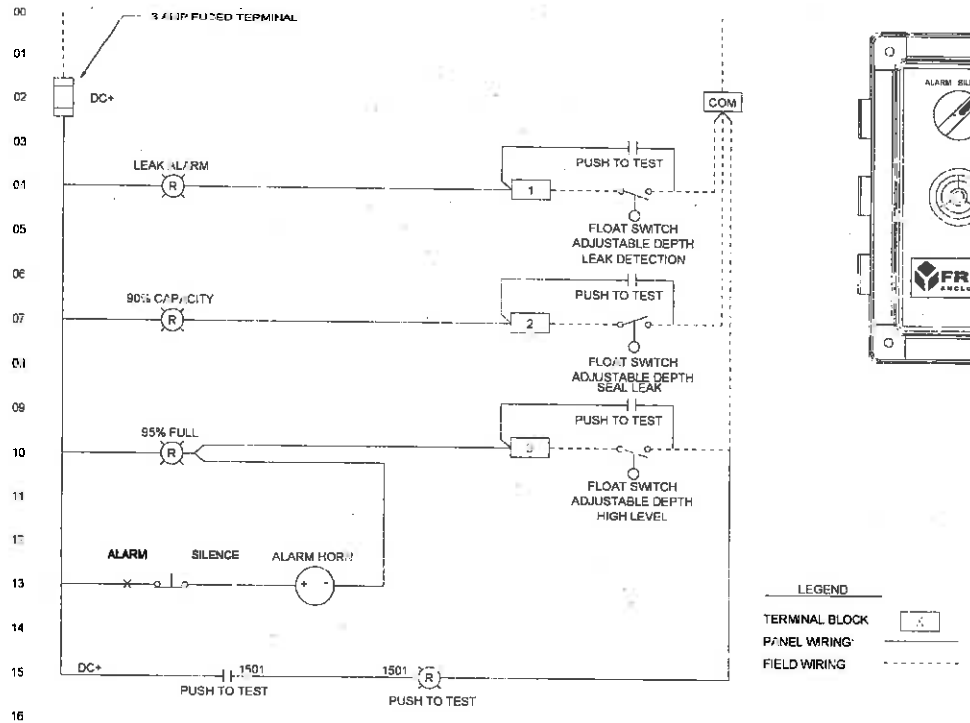
| FLORIDA FDEP | | | | | |
| Job Number: S3810224 | Scale: N.T.S. | Sheet: 1/1 | | | |

FREEMAN ENCLOSURE SYSTEMS

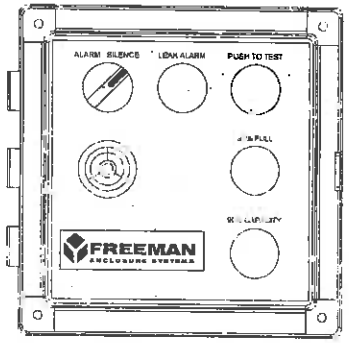


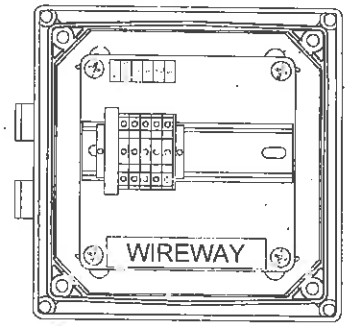

LEGEND

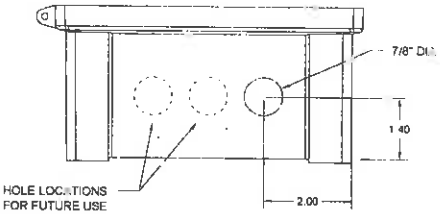
TERMINAL BLOCK

PANEL WIRING

FIELD WIRING




| QTY | Units | Description | Part Number | Manufacturer |
|---|---|---|---|---|
| 1 | Ea. | Enclosure | AR664CHSC | Fibox |
| 1 | Ea. | Sub-Panel | ABP65 | Fibox |
| 4 | In. | Wireway | G.5X2WH6 | Panduit |
| 4 | In. | Cover, Wireway | C.5WH6 | Panduit |
| 4 | In. | DIN Rail | AM1DP200 | Square D |
| 1 | Ea. | Engraved legend plate | Custom | BCS |
| 6 | Ea. | Engraved terminal marker | Custom | BCS |
| 5 | Ea. | Terminal Block | AB1VV235U | Square D |
| 1 | Ea. | 2 pole jumper | AB1ALN22 | Square D |
| 1 | Ea. | End Barrier | AB1AC24 | Square D |
| 2 | Ea. | End Clamp | AB1AB8P35 | Square D |
| 1 | Ea. | Fused terminal block | AB1FUSE435U5X | Square D |
| 1 | Ea. | Fuse, 5x20mm, 3A | GMC-3A | Bussmann |
| 1 | Ea. | Switch, 2 Position | ZB4BD2 | Square D |
| 1 | Ea. | Mounting base and N.C. contact | ZB4BZ102 | Square D |
| 3 | Ea. | Light Module | ZB4BVB4 | Square D |
| 3 | Ea. | Pilot Light Head | ZB4BV043 | Square D |
| 1 | Ea. | 6-28VDC Alarm Horn | SC628NR | Mallory-Sonalert |
| 1 | Ea. | NEMA 3R gasket for Alarm Horn | ACC03 | Mallory-Sonalert |
| 1 | Ea. | Lighted Pushbutton Module | ZB4BW343 | Square D |
| 1 | Ea. | Pilot Light Head W/ 2 NO Contacts | ZB4BW0B43 | Square D |
| 2 | Ea. | NO Contact | ZBE101 | Square D |

TEST PROCEDURE:

1. PRESS, AND HOLD "PUSH TO TEST" BUTTON
2. ALL LIGHTS SHOULD ILLUMINATE
3. ALARM SHOULD SOUND
4. RELEASE BUTTON
5. REPAIR AND RETEST AS REQUIRED

NOTE:

1. ALL FLOAT SWITCHES CONNECTED ARE FDEP APPROVED FROM EQ LIST

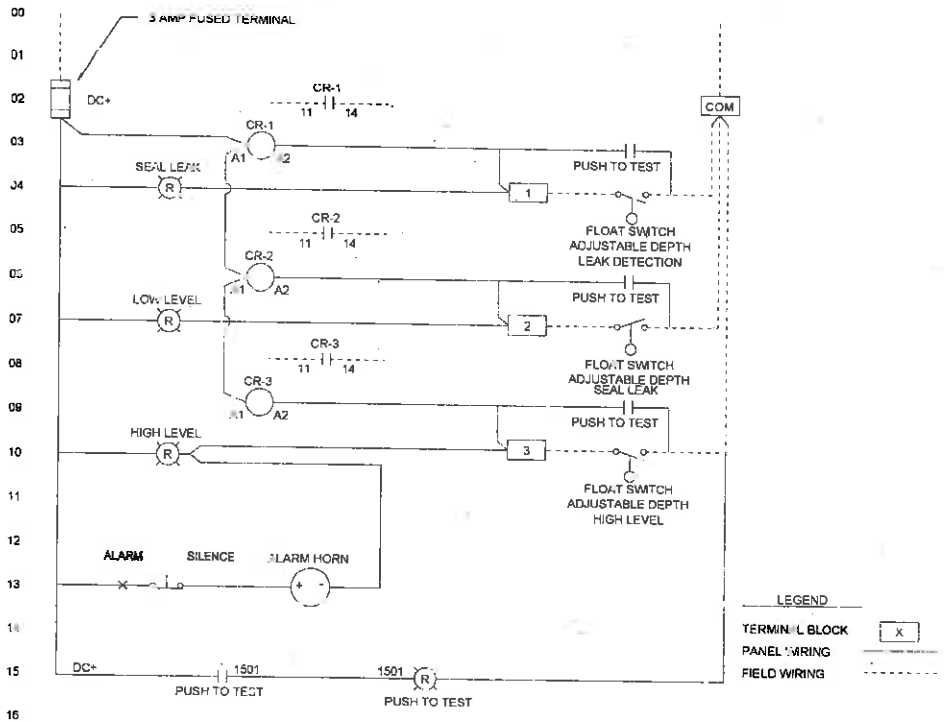


| Designed by | Checked by | Version | Date | Reference | Edition |
|---|---|---|---|---|---|
| BCS | LF | SUBMITTAL | DETAIL | NA | 0 |

AP-3 ALARM PANEL

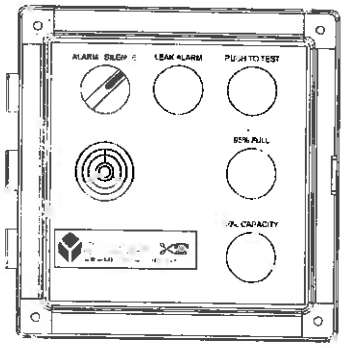
| Drawing number | Scale | Sheet |
|---|---|---|
| D3810347 | N.T.S. | 1/1 |

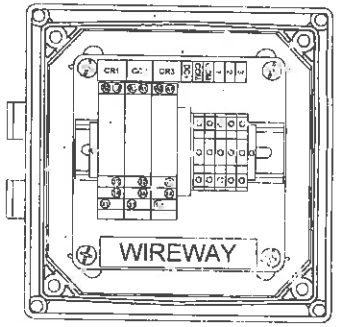
FREEMAN ENCLOSURE SYSTEMS

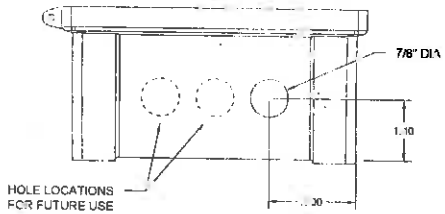



LEGEND

| | |
|---|---|
| TERMINAL BLOCK | X |
| PANEL WIRING | |
| FIELD WIRING | |




| QTY | Units | Description | Part Number | Manufacturer |
|---|---|---|---|---|
| 1 | Ea. | Enclosure | AR664CHSC | Fibox |
| 1 | Ea. | Sub-Panel | ABP66 | Fibox |
| 4 | In. | Wireway | G.5X2WH6 | Panduit |
| 4 | In. | Cover, Wireway | C.5WH6 | Panduit |
| 4 | In. | DIN Rail | AM1DP200 | Square D |
| 1 | Ea. | Engraved legend plate | Custom | BCS |
| 6 | Ea. | Engraved terminal marker | Custom | BCS |
| 5 | Ea. | Terminal Block | AB1VV235U | Square D |
| 1 | Ea. | 2 pole jumper | AB1ALN22 | Square D |
| 2 | Ea. | End Barrier | AB1AC24 | Square D |
| 2 | Ea. | End Clamp | AB1AB8P35 | Square D |
| 1 | Ea. | Fused terminal block | AB1FUSE435U5X | Square D |
| 1 | Ea. | Fuse, 5x20mm, 3A | GMC-3A | Bussmann |
| 1 | Ea. | Switch, 2 Position | ZB4BD2 | Square D |
| 1 | Ea. | Mounting base and N.C. contact | ZB4BZ102 | Square D |
| 3 | Ea. | Light Module | ZB4BVB4 | Square D |
| 3 | Ea. | Pilot Light Head | ZB4BV043 | Square D |
| 1 | Ea. | 6-28VDC Alarm Horn | SC628NR | Mallory-Sonalert |
| 1 | Ea. | NEMA 3R gasket for Alarm Horn | ACC03 | Mallory-Sonalert |
| 3 | Ea. | Socket, Relay | RSZE1S35M | Square D |
| 1 | Ea. | Lighted Pushbutton Module | ZB4BW343 | Square D |
| 1 | Ea. | Pilot Light Head W/ 2 NO Contacts | ZB4BW0B43 | Square D |
| 2 | Ea. | NO Contact | ZBE101 | Square D |

TEST PROCEDURE:

1. PRESS, AND HOLD "PUSH TO TEST" BUTTON
2. ALL LIGHTS SHOULD ILLUMINATE
3. ALARM SHOULD SOUND
4. RELEASE BUTTON
5. REPAIR AND RETEST AS REQUIRED

NOTE:

1. ALL FLOAT SWITCHES CONNECTED ARE FDEP APPROVED FROM EQ LIST



| Drawn by | Checked by | Filename | Date | Reference | Revision |
|---|---|---|---|---|---|
| BCS | DF | SUBMITTAL | DETAIL | NA | 0 |

AP-3R ALARM PANEL

| Drawing Number | Scale | Sheet |
|---|---|---|
| D3810348 | N.T.S | 1/1 |

EQ 785

FREEMAN
ENCLOSURE SYSTEMS



February 27, 2012

Florida Department of Environmental Protection
Farid Moghadam
Bob Martinez Center
2600 Blair Stone Road
Tallahassee, Florida 32399

RE: Product Review Request for DEP Approval

Dear Mr. Moghadam,

Freeman Enclosure Systems, LLC manufactures AST diesel fuel storage systems for primarily for stand-by power generators under Underwriters Laboratory listings UL142 and UL2085.
Reference file numbers are as follows:

MH47836 Vol. 1 – UL142 Secondary Containment Generator Base Tank (EFVT, EFVT7)
MH47836 Vol. ST1 – UL142 Secondary Containment Generator Base Tank (EFVT)
MH47836 Vol. ST2 – UL2085 Protected Secondary Containment Generator Base Tank (EFVT)
MH47836 Vol. CN1 – UL142 Secondary Containment Generator Base Tank for Canada (EFVT7)
MH48714 Vol. ST1 – UL2085 Protected Aboveground Tanks for Flammable and Combustible Liquids (EELU)
MH48714 Vol. ST1 – UL2085 Protected Aboveground Tanks for Flammable and Combustible Liquids for Canada (EELU7)

All tank construction, design, materials and installed accessories are intended to meet the applicable requirements of the Florida Administrative Code chapter 62-762 Aboveground Storage Tank Systems.

We request review of the attached material for the purpose of assigning an EQ designation number to Freeman Enclosure Systems, LLC. If you have any questions or require clarification please don't hesitate to call me at 513-200-4009 or email Dale@FreemanStrategic.com.

Thank you for your time and consideration.

Sincerely,

Dale A Freeman, President
Freeman Enclosure Systems, LLC

4160 Half Acre Road, Batavia, Ohio 45103 513.488.8600 phone 877.411.8555 toll free

ONLINE CERTIFICATIONS DIRECTORY

# EFVT.MH47836
# Special-purpose Tanks

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## Special-purpose Tanks

See General Information for Special-purpose Tanks

**FREEMAN ENCLOSURE SYSTEMS L L C**
4160 HALF ACRE RD
BATAVIA, OH 45103 USA

MH47836

**Secondary containment generator base tank.**
Last Updated on 2011-10-07

Questions? Print this page Notice of Disclaimer Page Top

the standard in safety

Underwriters Laboratories

File MH47836 Vol 1 Issued: 2010-10-25
Revised: 2010-10-25

FOLLOW-UP SERVICE PROCEDURE
(TYPE L)

SPECIAL-PURPOSE TANKS
(EFVT,EFVT7)

Manufacturer: FREEMAN ENCLOUSRE SYSTEMS L L C
(100546-228) 4160 HALF ACRE RD
BATAVIA OH 45103

Applicant: SAME AS MANUFACTURER
(100546-228)

Listee: SAME AS MANUFACTURER
(100546-228)

This Procedure authorizes the above manufacturer to use the marking specified by Underwriters Laboratories Inc.(UL), or any authorized licensee of UL, only on products covered by this Procedure, in accordance with the applicable UL Services Agreement.

The prescribed Mark or Marking shall be used only at the above manufacturing location on such products which comply with this Procedure and any other applicable requirements.

The Procedure contains information for the use of the above named Manufacturer and representatives of Underwriters Laboratories Inc. and is not to be used for any other purpose. It is lent to the Manufacturer with the understanding that it is not to be copied, either wholly or in part, and that it will be returned to Underwriters Laboratories Inc. (UL) or any authorized licensee of UL, upon request.

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Underwriters Laboratories Inc.

Stephen Hewson
Senior Vice President
Global Follow-Up Service Operations

William R. Carney
Director
North American Certification Program

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Revised: 2011-09-23

FOLLOW-UP SERVICE PROCEDURE
(TYPE L)

SPECIAL-PURPOSE TANKS
(EFVT)

Manufacturer: SEE ADDENDUM FOR MANUFACTURER LOCATIONS

Applicant: SAME AS MANUFACTURER
(100546-228)

Listee: SAME AS MANUFACTURER
(100546-228)

This Procedure authorizes the above manufacturer to use the marking specified by Underwriters Laboratories Inc.(UL), or any authorized licensee of UL, only on products when constructed, tested and found to be in compliance with the requirements of this Procedure and in accordance with the terms of the applicable UL Services Agreement and Follow-Up Service Terms and Conditions. UL further defines responsibilities, duties and requirements for both manufacturers and UL representatives in the document titled, "UL Mark Surveillance Requirements" that can be located at the following web-site: http://www.ul.com/fus and in accordance with the applicable Terms and Conditions at http://www.ul.com/responsibilities. Manufacturers without Internet access may obtain the current version of this document from their local UL customer service representative or UL field representative. For assistance, or to obtain a paper copy of the Terms and Conditions, please contact UL's Customer Service at http://www.ul.com/global/eng/pages/corporate/contactus, select a location and enter your request, or call the number listed for that location.

The Applicant, the specified manufacturer(s) and any Listee will be considered to have agreed to Follow-Up Services and the terms of this Follow-Up Service Procedure upon the earliest use of the prescribed UL Mark, acceptance of the factory inspection, or payment of the Follow-Up Service fees in accordance with the Follow-Up Services Terms and Conditions. Follow-Up Services will be governed by and incorporate by reference such GSA and the Follow-Up Service Terms which can be accessed by clicking here: http://www.ul.com/contracts/newfusterms. In all other events, such Follow-Up Services will be governed by and incorporate the terms of the applicable agreement and any applicable Program Terms and Conditions.

It is the responsibility of the Listee to make sure that only the products meeting the aforementioned requirements bear the authorized Marks of UL, or any authorized licensee of UL. The Applicant and the specified manufacturer(s) in this Follow-Up Services Procedure must agree to the Follow-Up Services as required by UL's Contracting Party.

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Willam R.Carney
Director
North American Certification Program

File MH47836 Vol ST1 Addendum To Page 1 Issued: 2011-09-23
Authorization Page Revised: 2011-09-23

LOCATION

(100546-228) FREEMAN ENCLOUSRE SYSTEMS L L C
4160 HALF ACRE RD
BATAVIA OH 45103

Factory ID: NONE

 Issued: 2011-09-23
Revised: 2011-09-23

FOLLOW-UP SERVICE PROCEDURE
(TYPE L)

SPECIAL-PURPOSE TANKS
(EFVT)

Manufacturer: SEE ADDENDUM FOR MANUFACTURER LOCATIONS

Applicant: SAME AS MANUFACTURER
(100546-228)

Listee: SAME AS MANUFACTURER
(100546-228)

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Willam R.Carney
Director
North American Certification Program

File MH47836 Vol ST2 Addendum To Page 1 Issued: 2011-09-23
Authorization Page Revised: 2011-09-23

LOCATION

(100546-228) FREEMAN ENCLOUSRE SYSTEMS L L C
4160 HALF ACRE RD
BATAVIA OH 45103

Factory ID: NONE

 Issued: 2011-09-23
Revised: 2011-09-23

FOLLOW-UP SERVICE PROCEDURE
(TYPE L)

SPECIAL-PURPOSE TANKS CERTIFIED FOR CANADA
(EFVT7)

Manufacturer: SEE ADDENDUM FOR MANUFACTURER LOCATIONS

Applicant: SAME AS MANUFACTURER
(100546-228)

Listee: SAME AS MANUFACTURER
(100546-228)

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Willam R.Carney
Director
North American Certification Program

File MH47836 Vol CN3 Addendum To Page 1 Issued: 2011-09-23
Authorization Page Revised: 2011-09-23

LOCATION

(100546-228) FREEMAN ENCLOUSRE SYSTEMS L L C
4160 HALF ACRE RD
BATAVIA OH 45103

Factory ID: NONE

ONLINE CERTIFICATIONS DIRECTORY

# EELU.MH48714
# Protected Aboveground Tanks for Flammable and Combustible Liquids

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## Protected Aboveground Tanks for Flammable and Combustible Liquids

See General Information for Protected Aboveground Tanks for Flammable and Combustible Liquids

**FREEMAN ENCLOSURE SYSTEMS L L C**
4160 HALF ACRE RD
BATAVIA, OH 45103 USA

MH48714

Protected Aboveground Tanks for Flammable and Combustible Liquids.

Last Updated on 2011-10-07

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Revised: 2011-09-23

FOLLOW-UP SERVICE PROCEDURE
(TYPE L)

PROTECTED ABOVEGROUND TANKS FOR FLAMMABLE AND COMBUSTIBLE LIQUIDS
(EELU)

Manufacturer: SEE ADDENDUM FOR MANUFACTURER LOCATIONS

Applicant: SAME AS MANUFACTURER
(100546-228)

Listee: SAME AS MANUFACTURER
(100546-228)

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William R.Carney
Director
North American Certification Program

File MH48714 Vol ST1 Addendum To Page 1 Issued: 2011-09-23
Authorization Page Revised: 2011-09-23

LOCATION

(100546-228) FREEMAN ENCLOUSRE SYSTEMS L L C
4160 HALF ACRE RD
BATAVIA OH 45103

Factory ID: NONE

FOLLOW-UP SERVICE PROCEDURE
(TYPE L)

PROTECTED ABOVEGROUND TANKS FOR FLAMMABLE AND COMBUSTIBLE LIQUIDS
CERTIFIED FOR CANADA
(EELU7)

Manufacturer: SEE ADDENDUM FOR MANUFACTURER LOCATIONS

Applicant: SAME AS MANUFACTURER
(100546-228)

Listee: SAME AS MANUFACTURER
(100546-228)

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Willam R.Carney
Director
North American Certification Program

File MH48714 Vol CN1 Addendum To Page 1 Issued: 2011-09-23
Authorization Page Revised: 2011-09-23

LOCATION

(100546-228) FREEMAN ENCLOUSRE SYSTEMS L L C
4160 HALF ACRE RD
BATAVIA OH 45103

Factory ID: NONE