



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: Commercial Fuel Systems

Contact Name: Sean Smith

Company Address: 11910 Trickey Rd

City: Houston, Texas

Zip: 77067

E-mail: sean@commercialfuelsystems.com

Contact Number: 346-236-5151

Product Name: Fuel Fill Port

Model Number(s): 'FP' Series

Product Type: Spill Containment

Rule(s) citation within Chapter 62-761, or 62-762, F.A.C. that registration is being requested: 62-762

62-762.501(1)(b); 62-762.501(2)(f) 1., 62-762.850(2)

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

Requesting Fla. DEP approval of equipment registration related to the 'FP' series fill box / spill containment for tank re-fueling use.

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: <u>EQ-_____</u>	☐	☐	☒
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.:

The fill box contains the truck fill connection and related alarming devices. The containment basin holds up to 7.5 gallons.

Equipment Registration Certification:

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

Sean Smith - Managing Member

Printed Name and Title

Signature

11/02/22

Date

For Department Use Only:

Date Application Received: 11/03/2022

Application complete:

Yes: ☒ No: ☐

EQ- 988

Date of complete or incomplete letter sent: 11/15/2022

Date of entry to the DEP Equipment Registration List: 11/15/2027

COMMERCIAL FUEL SYSTEMS

Equipment Registration

to the

Florida Department of Environmental Protection

from

Commercial Fuel Systems
for the

Fuel Fill Port– FP Series

Submitted by

Marshall T. Mott-Smith, President

Mott-Smith Consulting Group

111 North Calhoun Street

Tallahassee, FL 32301

marshall@mott-smithconsulting.com

850-391-9835 work

850-591-1434 cell





November 2, 2022

Amanda Dorsett,
Environmental Administrator
Florida Department of Environmental Protection
Division of Waste Management
Compliance Assistance Program
2600 Blair Stone Road
Tallahassee, FL 32399-2400

Re: Equipment Registration for the Commercial Fuel Systems Fuel Fill Port– FP Series

Dear Amanda,

We are submitting an Equipment Registration Request from Commercial Fuel Systems for their Fuel Fill Port– FP Series. We would appreciate the expedient processing of this request. Commercial Fuel Systems appreciates your consideration in this matter, and please feel free to contact me if you have any questions or if we need to provide additional information.

Best Regards,

A handwritten signature in blue ink that reads "Marshall Tipton Mott-Smith".

Marshall Mott-Smith, President
Mott-Smith Consulting Group, LLC

111 North Calhoun Street
Tallahassee, FL 32301
850.391.9835
www.mott-smithconsulting.com

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1. Overview and Request

This Equipment Registration request is sought in accordance with Florida Administrative Code (F.A.C.) Rule 62-762.851(2), for the Fuel Fill Port– FP Series manufactured by Commercial Fuel Systems. This spill containment cabinet is for shop-fabricated aboveground storage tanks and meets the FDEP's requirements of Chapter 62-762.501, F.A.C., (see Third Party Review by Ken Wilcox Associates). This is a new Equipment Registration request and there has been no previous submittal.

The Commercial Fuel Systems Fuel Fill Port– FP Series is a spill containment cabinet designed for use with shop-fabricated aboveground storage tank fill areas. The lockable cabinet contains eight gallons of stored product and has a drain outlet. It is designed for two-inch piping and features an isolation valve, a check valve, and a Quick-Connect fitting with a “dust” cap. However, the system can be manufactured to handle larger piping diameters at the tank owner's request. The spill containment system is constructed with aluminum, but can also be fabricated with stainless steel at an additional cost. Other options include fuel gauging, a fuel polishing assembly, a fuel additive injection system, and dry-break adaptors and couplers. Hand pumps are not recommended with this system.

The materials used in the system are impervious, able to withstand deterioration, and have sufficient strength and thickness to contain regulated substances for the design life of the spill containment cabinet. The system is designed for diesel, fuel oils, and commercially available fuel blends, but there are no fuel type restrictions for the Fuel Fill Port– FP Series. This system is compatible with gasoline, diesel, ethanol, bio-diesel, and blends of these products. Internal piping and piping accessories must be compatible with the product stored. The materials are compatible with, and are not capable of being penetrated by the liquids for which they are designed.

The Fuel Fill Port– FP Series spill containment cabinet will provide secondary containment for the product transfer equipment and will prevent releases to the environment from spills associated with filling aboveground storage tanks. Release detection for these systems is intended to be visual, but sensors can be installed at the discretion of the UST owner and should be installed with DEP Registered equipment in accordance with Department rules.

The Fuel Fill Port FP Series facilitates fueling safely at ground level and all piping connections and disconnections are within the cabinet to prevent releases. Quick coupling systems, a check valve, and an isolation valve allow for quick and safe fueling hose connections prevent spills and backflow of product.

The Commercial Fuel Systems website is commercialfuelsystems.com/

2. Third Party Approval

The Commercial Fuel Systems Fuel Fill Port– FP Series that the Equipment Registration is being sought for in this request meets the demonstration of equivalent protection and certification as required by DEP Rule 62-762.851(2)(b), F.A.C. The Third-Party Approvals by Ken Wilcox Associates and UL are provided in **Attachment V**. Mott-Smith Consulting Group certifies that the third-party certification for this Equipment Registration meets the Department's rules.

3. Installation and Maintenance

Installation, testing, and maintenance should only be performed by trained and experienced personnel who are familiar with the system. The system should be installed outside of buildings and no closer than five feet from building openings or as otherwise required by local fire code authorities. Mounting types should be coordinated with the siting application, and the spill containment system should be mounted plumb and square with structurally firm materials. The containment system drain should be plugged and liquid tight. After-market penetrations of the bottom of the Fuel Fill Port are not allowed.

After the system has been installed and all side-wall penetrations sealed, a hydrostatic containment integrity test should be performed on the Commercial Fuel Systems Fuel Fill Port– FP Series in accordance with PEI RP 1200 6.2. The cabinet should be filled with clean water to within 1.5 inches of the flood rim. After five minutes of filling the cabinet, the water should be measured to begin the test. After one hour, the water level should be measured again to document the test. A water-level drop of less than one eighth of an inch is a passing test.

Piping should be pressure tested in accordance with NFPA 30 or manufacturer's instructions. After all other system devices or alarms are installed, they should be tested in accordance with NFPA 30, manufacturer's instructions, or the local authority having jurisdiction. It is recommended, but not required, that instructions for operations, safety and warning alarms and devices, and tank calibration charts be displayed inside the Fuel Fill Port.

The Dimensions of the cabinet are 18 inches by 30 inches x 30 inches. Installation and Maintenance instructions for the Commercial Fuel Systems Fuel Fill Port– FP Series, as well as system diagrams are contained in **Attachment II** of this document. Warranty Information is contained in **Attachment III**.

Attachment I

General Information

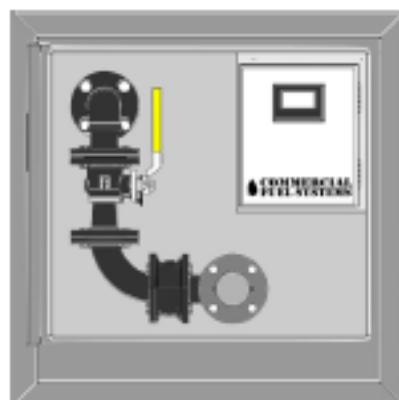
COMMERCIAL FUEL SYSTEMS

Fuel Fill Port– FP Series

Based on years of field experience, the FP series has been designed for years of reliable fuel port service. Featuring robust materials and unique user friendly features not typically found in the market. We believe in providing complete and comprehensive systems that won't leave you short on components or Code compliance. While Code amendments due vary, this basic system will meet most jurisdictional requirements. As always, configurations can be modified based on the Code and application requirements of your project. Our system features steel fittings and integral supports to ensure years of trouble free service. The system has the integral components to comply with Code and operational needs such as isolation and check valves. For added peace of mind, our system can also include a filtration bank to ensure contaminated fuel does not enter your system.

Features

- Outdoor Construction with 8 Gallon Containment w/ Drain Outlet
- Lockable 3-Point Latch for Exterior Exposure
- 2" Integral Piping, Isolation Valve, Check Valve and Refueling Quick-Connect Fitting w/ Dust Cap
- Integral NEMA 3R Panel for Refueling Operations and Local A/V Indication
- Industrial Paint System



Options

- Pre-Fix: Pipe/Connection Size, 2" Standard, 3", 4" and Larger Available
- Aluminum Enclosure Standard—SS for Stainless Steel (Additional Cost)
- Mounting: S – Surface, R – Recessed, F – Freestanding
- MX – Multiple Tank Interface, 'X' = # of Tanks
- TG – Tank Gauging (Single Tank Applications Only, comes complete w/ sensors for field installation)
- FP – Fuel Polishing Assembly, Filters Fuel Before Entering Fuel Tank
- S – Fuel Additive Injection System (For Additives and Stabilizers for Long Term Storage)
- DB – Dry Break Hose Adapter
- DBC – Dry Break Coupler (Loose for Tanker Use, Includes Quick Coupler for Hose Connection)

Example: 2" FP-R-TG-P = Fuelport w/ 2" piping, Recessed Mounting Flange, Tank Gauging, Polishing Assembly.

Note: Hand pumps and other trim to move spilt fuel into the fuel tank is not recommended. Exterior equipment accumulates dirt, mold and debris; fuel split into these areas is contaminated and should not be pumped into the fuel supply.



Attachment II
Commercial Fuel Systems Fuel Fill Port– FP Series
Installation and Maintenance Instructions and Design
Drawings

COMMERCIAL FUEL SYSTEMS

'FP' Series Fuel Port Installation & Maintenance

The following is the manufacturers recommendation and should be used to develop a site-specific installation, operation and maintenance plan.

Note: Only properly trained/experienced personnel who are familiar with the system and equipment should inspect, operate and test the systems.

Equipment Application

Fuel port is utilized for the refueling of storage tanks. The port facilitates the safe connection of the refueling truck connection from ground level within a spill containment basin. The truck connection is within the confines of the enclosure and should include an appropriate quick connect fitting, check valve and isolation valve.

Compatibility: For use with all diesel, fuel oils and commercially available fuel blends. Coordinate internal piping and accessory materials based on specific fluid application.

Location

Unit should be located outside or at building exterior, minimum of 5'-0" from building openings or as required by local code. Always consult the local AHJ for location requirements.

Installation

Review installation location and related details per manufacturer guidelines. Mounting type should be coordinated with the site application. Fuel ports should be mounted plumb and square using structurally firm materials. Ensure the enclosure containment basin drain is plugged liquid tight or extended with valve and plug as required by project application.

Note: The fuel port is designed with integral spill containment basin. DO NOT penetrate the lower portion of enclosure that holds liquid.

COMMERCIAL FUEL SYSTEMS

Operational instructions including safety devices and warning/alarming information should be prominently displayed inside the enclosure, typically on the inside of the door. It is recommended that a tank calibration chart be kept inside the enclosure for reference during refueling operations.

Containment Testing

Once unit is installed and all penetrations have been made, the unit should be tested to ensure containment integrity is unbroken. Field test spill containment per PEI RP-1200 6.2. After fuel fill port installation is complete at the project site, the containment area should be filled with clean water up to within 1.5" from flood rim. After 5-minute rest, measure water level to start test. After 1 hour, document ending level. A level drop of less than 1/8" is passing. See PEI RP-1200 for additional information.

Pipe Testing

After all system piping is installed and complete, the system should be pressure tested per NFPA 30, project specifications or local AHJ requirements.

Alarm Testing

After all system controls and alarm devices are installed and complete, the system should be operationally tested per NFPA 30, project specifications or local AHJ requirements to ensure all audible and visual indicators and alarms are active and functional.

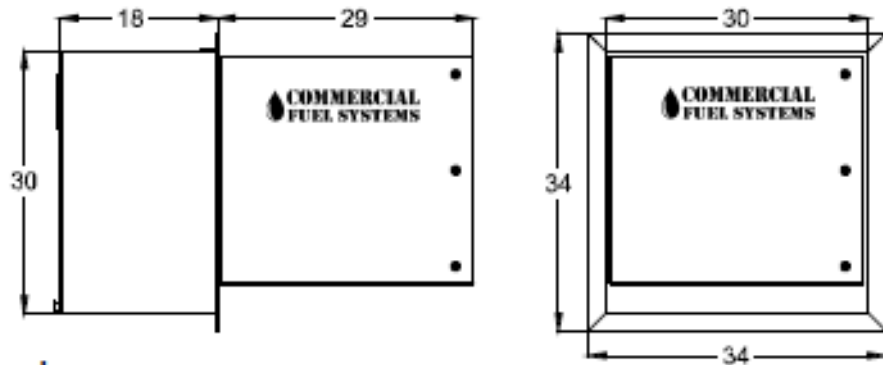
Maintenance

Fuel fill port should be inspected at regular intervals per AHJ requirements, keep written inspection records as required. Unit should be inspected prior to each use to ensure all components are in good working order. Containment basin should be kept clean and free of moisture and debris.

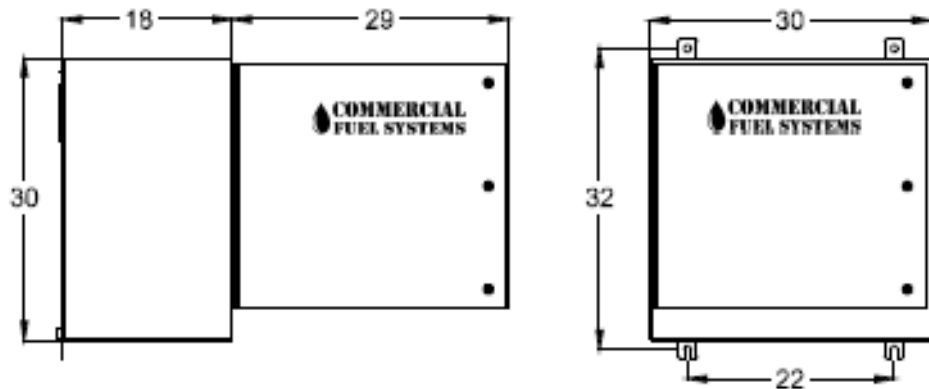
Enclosures are constructed of non-ferrous materials and as such do not require ongoing maintenance to maintain enclosure integrity related to rust and degradation. Lubricate hinges and lock mechanism as needed to facilitate smooth operation of door.

COMMERCIAL FUEL SYSTEMS

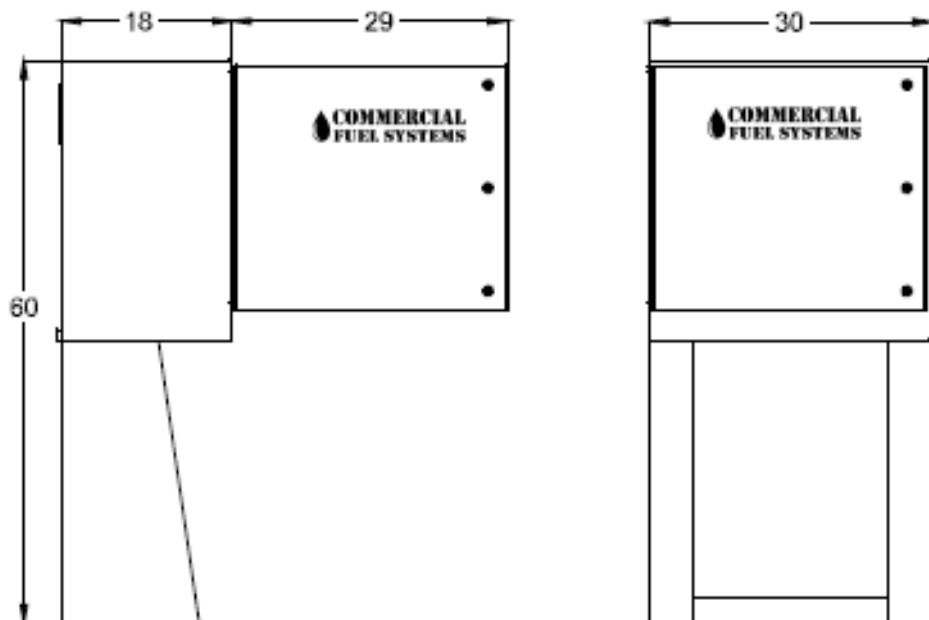
Recessed Mount

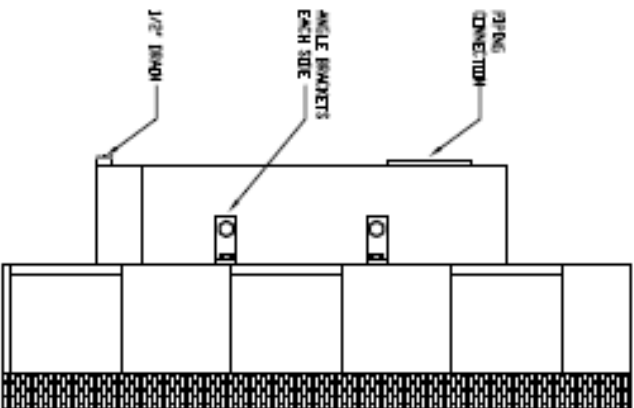


Surface Mount

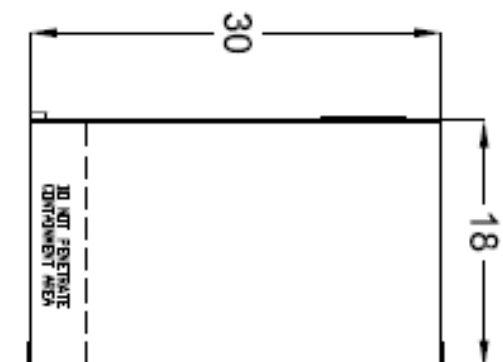


Freestanding

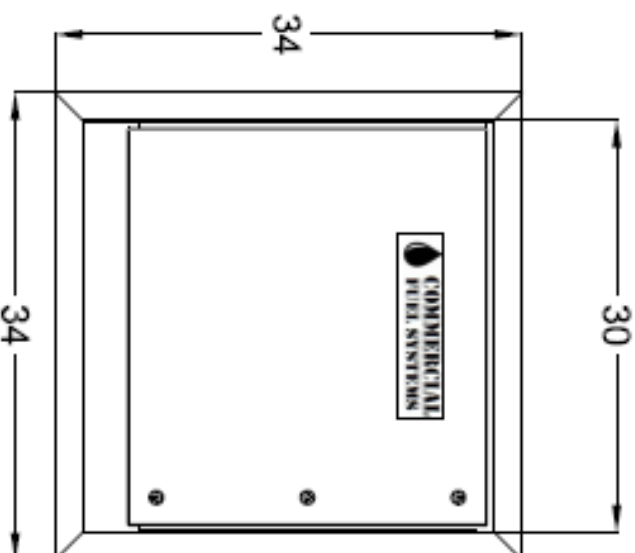




SIDE/INSIDE VIEW

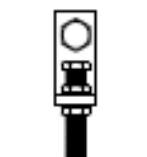


SIDE/INSIDE VIEW



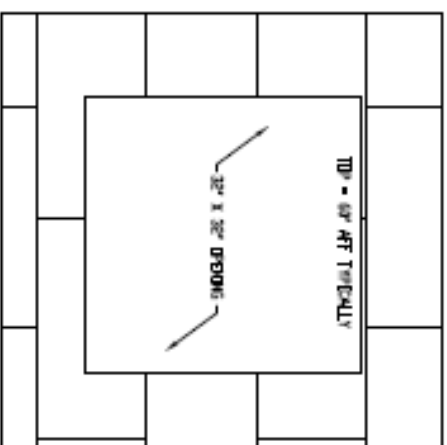
FRONT VIEW

- PRODUCT INFORMATION**
- UL LISTED, NEMA 3B ENCLOSURE
 - ALUMINUM OR STAINLESS STEEL CONSTRUCTION
 - INTEGRAL CONTAINMENT BASIN
 - PPE ENTRY LOCATION
 - RE-FUELING ALARMS MOUNTING
 - PLATE (REMOVABLE)
 - GASKET DOOR WITH QUARTER TURN 3-POINT LATCH (ONE KEYED)
 - FACTORY OPENING FOR FUEL PIPE ENTRY
 - INTEGRAL BASIN DRAIN



SUGGESTED ANGLE BRACKET ARRANGEMENT FOR PULLING BOX TIGHT TO WALL OR SETTING DEPTH FOR EXTERIOR BUILDING FINISH

ANGLE BRACKET DETAIL



TESTING: AFTER INSTALLATION IS COMPLETE, TEST CONTAINMENT AREA WITH CLEAN WATER TO DETERMINE LEAKS. IF LEAKS ARE FOUND, THIS IS TO BE RE-TESTED UNTIL NO LEAKS ARE FOUND. RE-TESTING IS REQUIRED FOR ALL INSTALLATIONS. TEST CONTAINMENT FOR PD 100-1200 AND LOCAL AHA REQUIREMENTS.

DO NOT SCALE DRAWING
USE LATEST SERVICE STANDARD, CONSULT FACTORY FOR OTHER FLUIDS.

THIS DRAWING IS THE PROPERTY OF COMMERCIAL FUEL SYSTEMS. NEITHER THIS DRAWING NOR ANY DATA OR INFORMATION HEREIN MAY BE REPRODUCED, COPIED OR USED FOR ANY PURPOSE WHATSOEVER WITHOUT THE WRITTEN PERMISSION OF COMMERCIAL FUEL SYSTEMS.

APPLICATION TANK RE-FUELING
PRODUCT
FUELING PORT
INSTALLATION

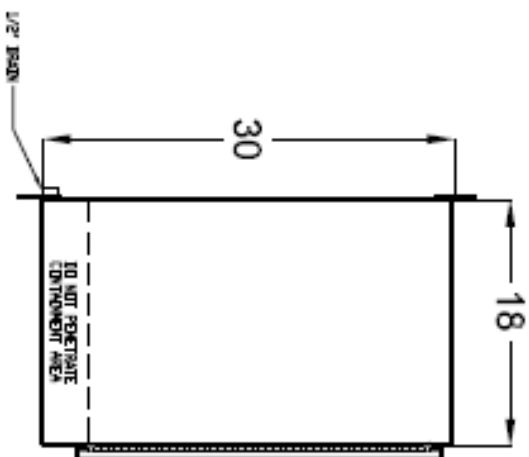
MODEL
FP-R

REV
0

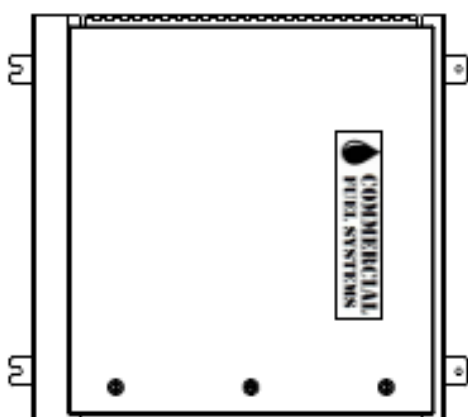
NOTE: IF INSTALLING THROUGH LOUVERS OR OTHER NARROW WALL ASSEMBLY, PROVIDE "CHAIR" SUPPORT AT REAR OF BOX. DO NOT PENETRATE BOX BELOW CONTAINMENT AREA.

WEIGHT 175 LBS.

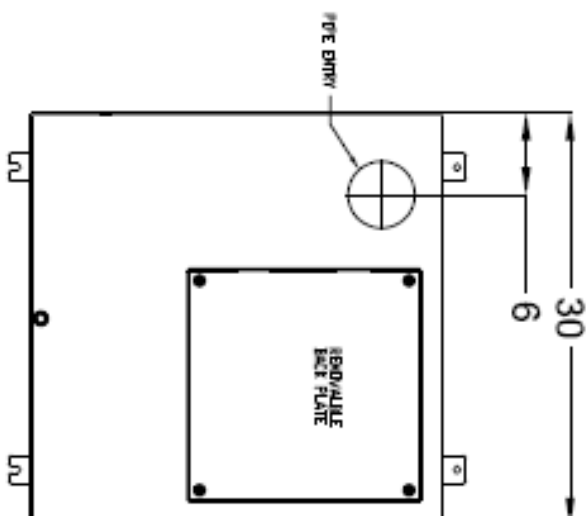
SHEET 1 OF 1



SIDE VIEW



FRONT VIEW

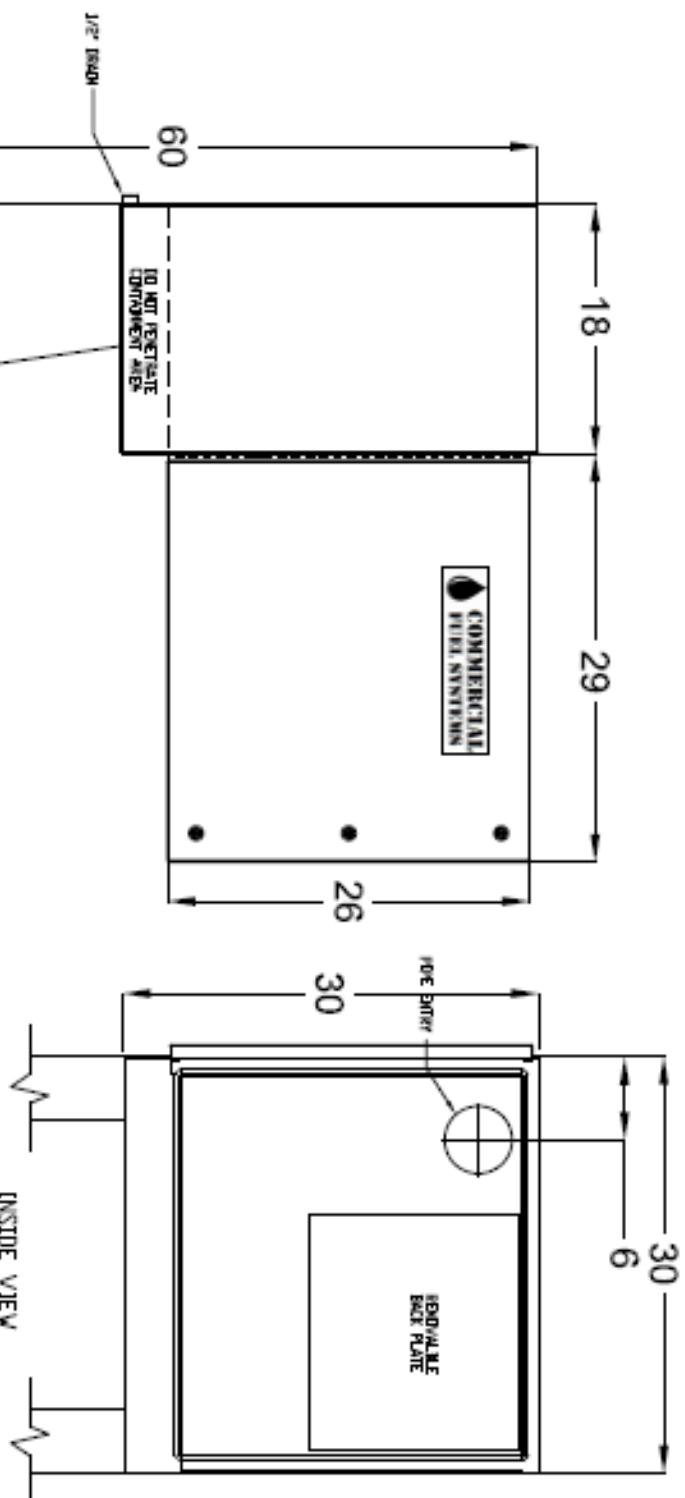


INSIDE VIEW

TESTING: AFTER INSTALLATION IS COMPLETE, TEST CONTAINMENT AREA WITH CLEAN WATER TO ENSURE UNIT WILL HOLD LIQUID SPILLS. THIS IS TO ENSURE UNIT WAS NOT DAMAGED DURING SHIPPING OR INSTALLATION. TEST CONTAINMENT PER PD RP-1200 AND LOCAL AND LOCAL AHJ REQUIREMENTS.

- PRODUCT INFORMATION**
- UL LISTED, NEMA 3R ENCLOSURE
 - ALUMINUM OR STAINLESS STEEL CONSTRUCTION
 - INTEGRAL CONTAINMENT BASIN
 - PIPE ENTRY LOCATION
 - RE-FUELING ALARMS MOUNTING PLATE (REMOVABLE)
 - GASKET DOOR WITH QUARTER TURN 3-POINT LATCH (ONE KEYED)
 - FACTORY OPENING FOR FUEL PIPE ENTRY
 - INTEGRAL BASIN DRAIN

DO NOT SCALE DRAWING		APPLICATION TANK FUELING & MONITORING	
DIMENSIONS	DESIGN SERVICE STANDARD, CONSULT FACTORY FOR OTHER VARIANTS	PRODUCT	FUELING PORT INSTALLATION
THIS DRAWING IS THE PROPERTY OF COMMERCIAL FUEL SYSTEMS. NEITHER THIS DRAWING NOR ANY DATA OR INFORMATION HEREIN MAY BE REPRODUCED, COPIED OR USED FOR ANY PURPOSE WHATSOEVER WITHOUT THE PRIOR WRITTEN PERMISSION OF COMMERCIAL FUEL SYSTEMS		MODEL	FP-S
WEIGHT: 300 LBS.		REV	0
SHEET 1 OF 1			



- PRODUCT INFORMATION**
- UL LISTED, NEMA 3R ENCLOSURE
 - ALUMINUM OR STAINLESS STEEL CONSTRUCTION
 - INTEGRAL CONTAINMENT BASIN
 - PIPE ENTRY LOCATION
 - RE-FUELING ALARMS MOUNTING PLATE (REMOVABLE)
 - GASKET DOOR WITH QUARTER TURN 3-POINT LATCH (ONE KEYED)
 - FACTORY OPENING FOR FUEL PIPE ENTRY
 - INTEGRAL BASIN DRAIN

TESTING: AFTER INSTALLATION IS COMPLETE, TEST CONTAINMENT AREA WITH CLEAN WATER TO ENSURE UNIT WILL HOLD LIQUID SPILLS. THIS IS TO ENSURE UNIT WAS NOT DAMAGED DURING SHIPPING OR INSTALLATION. TEST CONTAINMENT PER PD RP-1200 AND LOCAL AHI REQUIREMENTS.

DO NOT SCALE DRAWING
DESIGN: SERVICE STANDARD
CONSULT FACTORY FOR OTHER
RULES

THIS DRAWING IS THE PROPERTY
OF COMMERCIAL FUEL SYSTEMS.
NEITHER THIS DRAWING NOR ANY
DATA OR INFORMATION HEREIN
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USED FOR ANY PURPOSE
WITHOUT PERMISSION OF
COMMERCIAL FUEL SYSTEMS

APPLICATION: TANK FUELING & MONITORING
PRODUCT:
FUELING PORT
INSTALLATION

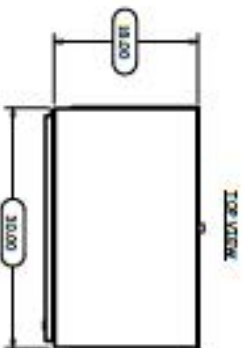
MODEL:
FP-FS
REV
0

WEIGHT: 300 LBS. SHEET 1 OF 1

NOTE: SECURE UNIT TO LEVEL SURFACE USING THE
APPROPRIATE ANCHORS FOR THE APPLICATION

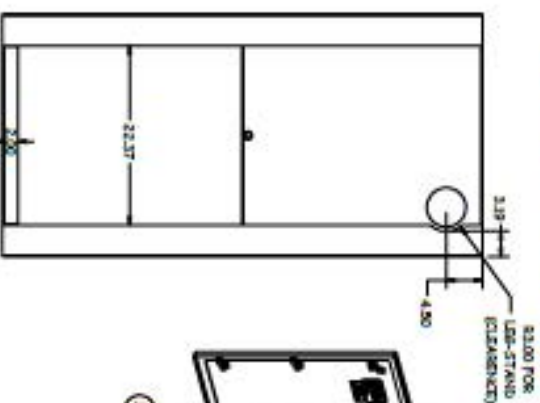
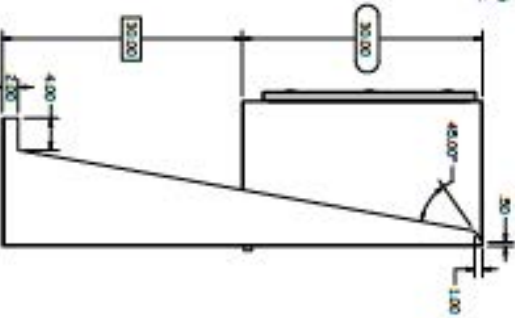
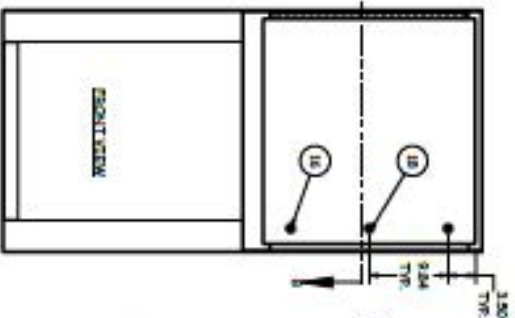
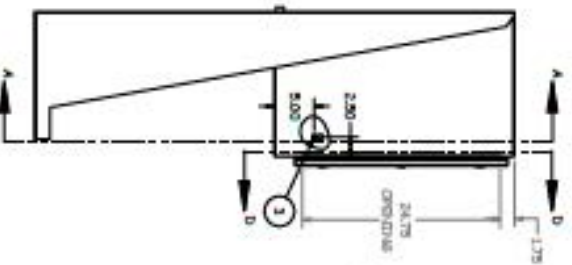
SIDE VIEW

REVISIONS			
ZONE	REV.	DESCRIPTION	DATE
--	--	ISSUED FOR APPROVAL	2/23/2022
			2:44



NOTES:

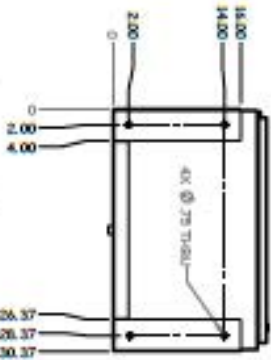
1. NEMA 3B RATED, UL LISTED, LSE FREE STANDING SINGLE DOOR STYLE ENCLOSURE.
2. 100% ALUMINUM CONSTRUCTION, BRUSH FINISH.
3. 100% ALUMINUM BACK PANEL, BRUSH FINISHED.
4. CONTINUOUS HINGES AT LEFT SIDE // RIGHT DOOR LOCK.
5. 200 SLOTTED 1/4" TURN LATCHES 35.4 1/4 TURN LATCH 55 KEY LOCKABLE.
6. NO BACK STIFFENERS.
7. 1/4" 20X17" LONG CO. BRONZE STUDS ON COVER AND HINGE WALL SIDE.
8. 3/16" ALUMINUM CONSTRUCTION, 60% LSE STAY AND STITCH WELDED (LSE BRACE WELDED).
9. 100% 3/16" 18X18" LONG ALUM. COLLAR STUDS FOR BACK PANEL.
10. DOOR STAY KIT-BUT 100% OPEN DOOR STITCH WELDED.



L.T. SIDE VIEW



3.00" WIDE X 2.00" H
ALUM. HINGE
Quantity: 1 (NOTE 4)



R.T. SIDE VIEW

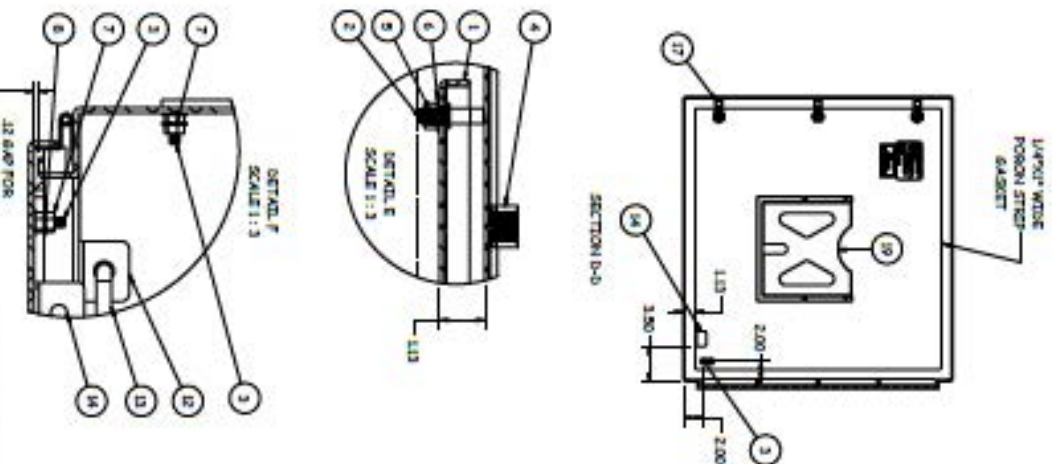
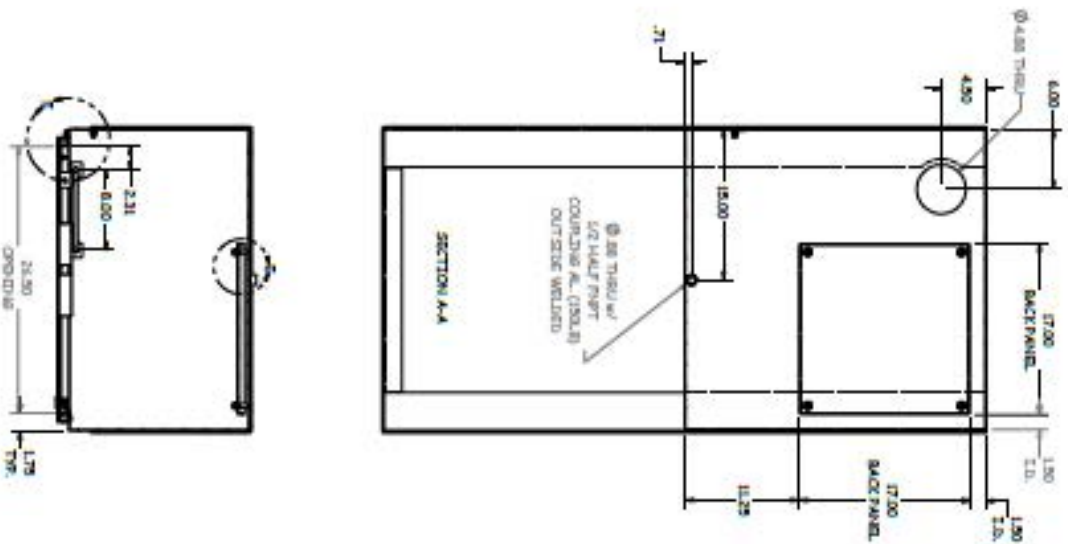
REAR VIEW



DESIGN A BOX			
ZONE	REV.	DESCRIPTION	DATE
--	--	ISSUED FOR APPROVAL	2/23/2022
			2:44

DESIGN A BOX			
ZONE	REV.	DESCRIPTION	DATE
--	--	ISSUED FOR APPROVAL	2/23/2022
			2:44

DESIGN A BOX			
ZONE	REV.	DESCRIPTION	DATE
--	--	ISSUED FOR APPROVAL	2/23/2022
			2:44



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	BACK PANEL	1/8" ALUMINUM CONSTRUCTION	1
2	CD-A-17516-553	3/8"-5000.63" COLLAR STD AL.	4
3	CD-A-25003-034	1/4"-2000.179" CD STD ALUM.	2
4	FD33030-017175#	2001 HAF. 1757" COLLAR 2148 ALUM. (250 LBS)	1
5	HO06-2527516	3/8"-16 HEX NUT SS	4
6	WTL-5-3E	3/8"-16 FLAT WASHER SS	5
7	HO06-25275020	1/4"-20 HEX NUT SS	4
8	WTL-5-25	1/4" FLAT WASHER SS	2
9	GR0040D SYMBOL	.75" DIAMETERS UL APPROVED	2
10	INDMA UL LABEL	2.66" X 1.77" X .010	1
11	UL LABEL	UL LABEL 030850832	1
12	NAM-ALUMINUM STAYBOLT	DOOR STAY BRACKET (ENCL.) ALUM.	1
13	NAM-3180008STAYBOL	# 800 3/8" ROUND BAR 316 SS	1
14	NAM-ALUM STAYBOLT	DOOR STAY BRACKET (DOOR) ALUM.	1
15	CU-CT197D10900055	COTTER PIN SS 3/32" X 1"	1
16	CU-152	LATCH 1/4 TURN SLOTTED	2
17	CAM-187255	ROUND POINT CAM SS	3
18	CU-4880-SCQ4-455	1/4 TURN LATCH SS KEY LOCKABLE	1
19	CU-4799	PNEUM. POCKET LATCH PLASTIC (DOOR)	1
20	2148	2148	
21	2148	2148	
22	2148	2148	
23	2148	2148	
24	2148	2148	
25	2148	2148	
26	2148	2148	
27	2148	2148	
28	2148	2148	
29	2148	2148	
30	2148	2148	
31	2148	2148	
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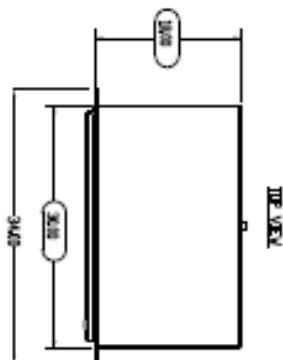
DESIGN BOX

COMMERCIAL PANEL SYSTEMS
30.00W X 30.00W X 18.00D
NEHA 361113E STYLE ENCL.
FABRICATION
PP 200000

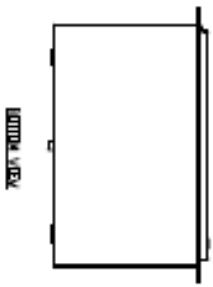
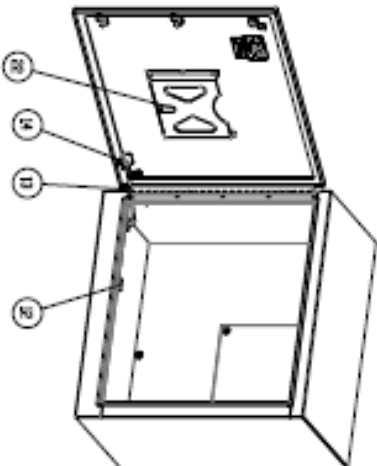
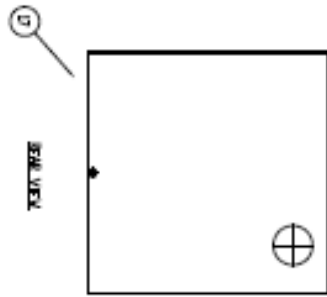
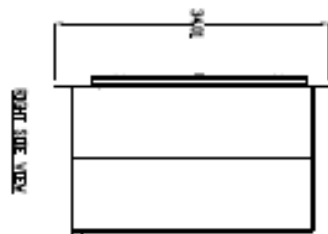
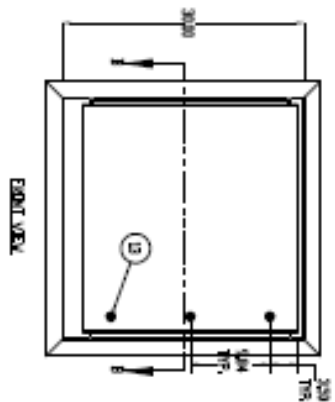
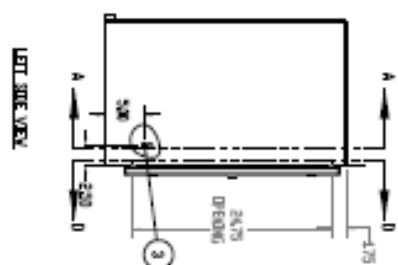
SCALE 1:12

SHEET 2 OF 4

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
1	ISSUED FOR APPROVAL	8/20/2022	JM
2	ISSUED FOR PRODUCTION		



- NOTES:
- NEW 36 INCH WIDE UL LISTED WALL MOUNT STABLE DOOR STYLE ENCLOSURE
 - 1/2\"/>



BOTTOM VIEW

DESCUNABOX™

TITLE: COMMERCIAL FIELD SYSTEMS
36\"/>

REV.	DATE	DESCRIPTION
1	8/20/2022	ISSUED FOR APPROVAL
2		ISSUED FOR PRODUCTION

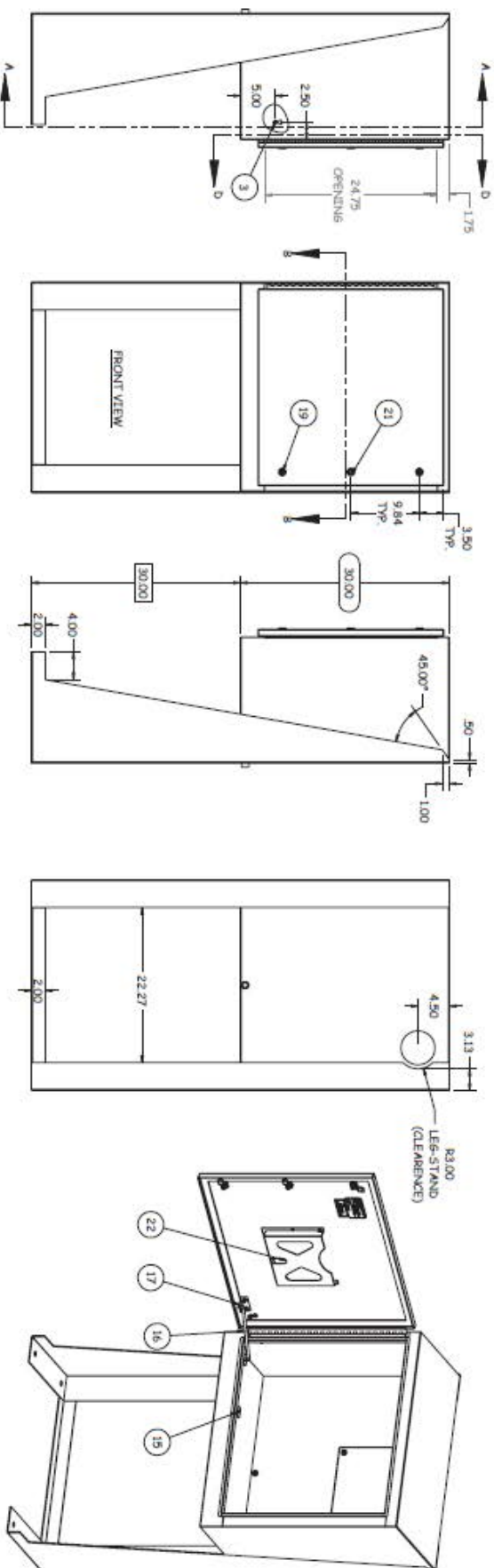


10\"/>

SCALE: 3/16\"/>

NOTES:

1. NEMA 3B RATED, UL LISTED, LSK FREE STANDING, SINGLE DOOR STYLE ENCLOSURE.
2. 18ga 304 STAINLESS STEEL CONSTRUCTION, BRUSH FINISHED.
3. 18ga 304 STAINLESS STEEL BACK PANEL, BRUSH FINISHED.
4. CONTINUOUS HINGES AT LEFT SIDE // PRINT POCKET LOOSE.
5. (2X) SLOTTED 1/4" TURNLATCHES SS & 1/4" TURNLATCH SS KEY LOCKABLE.
6. NO BACK STRENGTHENERS.
7. 1/4" 20X 75" LONG CD GROUND STUDS ON COVER AND HINGE WALL, SIDE.
8. 18ga 304 STAINLESS STEEL CONSTRUCTION, 60" LSK LEE STAND STITCH WELDED (LSK BRACE WELDED).
9. (XO) 3/8"-10X.63" LONG COLLAR STUDS FOR BACK PANEL.
10. DOOR STAY KIT-ART 120" OPEN DOOR W/ 10-32 CD STUDS BOLTED.



**POTENTIAL AND COMPETITIVE
RISKS**

3.00" Wide X 3/16" PIN
55 HINGE
Quantity: 1 (NOTE 4)

Attachment III
Warranty

COMMERCIAL FUEL SYSTEMS

Project: NAME

Equipment Covered: Fuel system components provided by Commercial Fuel Systems

Warranty Period: A warranty of One (1) year from date of substantial completion or system commissioning, whichever comes first, shall be granted for subject project.

Warranty Policy

Major Equipment: Major equipment that has been return-repaired shall carry the balance of its original warranty or 12 months from shipment, whichever is greater.

Parts: Components that have been return-repaired shall carry the balance of its original warranty or 12 months from shipment, whichever is greater.

Maintenance Items: Items requiring routine maintenance such as strainers and filters are NOT covered under this warranty.

Labor: Field labor is NOT COVERED by Commercial Fuel Systems, labor shall be provided by the installing Contractor.

Warranty Claims: Components replaced under warranty consideration must be reported to Commercial Fuel Systems within seven (7) days of failure and returned to Commercial Fuel Systems within seven (7) days of removal, failure to do so may not be eligible for credit.

Equipment failures due to improper operation or lack of, or improperly maintained will not be covered under warranty terms. Commercial Fuel Systems and/or the OEM Factory shall have sole discretion as to final acceptance of a warranty claim.

Components stored and/or installed improperly may not be covered by warranty.

Warranty claims must be submitted in writing via email as noted below. Submission shall include:

- Name of Project
- Date of Substantial Completion
- Subject Component
- Date of Failure
- Personnel Name & Contact Number who witnessed failure
- Brief description of conditions surrounding failure

Submit to: sean@commercialfuelsystems.com
346-236-5151

Attachment IV
Ken Wilcox & Associates Third Party Approval



Evaluation of the Commercial Fuel Systems FP Series Fuel Fill Port Spill Containment Cabinet

Final Report Version 1

PREPARED FOR:
Commercial Fuel Systems

October 21, 2022



Ken Wilcox Associates, Inc.
1125 Valley Ridge Drive, Grain Valley, MO 64029, USA
Voice (816) 443-2494, Fax (816) 443-2495
E-mail cwilcox@kwaleak.com, Web <http://www.kwaleak.com>

Evaluation of the Commercial Fuel Systems FP Series Fuel Fill Port Spill Containment Cabinet

Final Report Version 1

PREPARED FOR:

Commercial Fuel Systems

11910 Trickey Rd
Houston, TX 77067
Phone: 346-235-5151

October 21, 2022

Preface

This report presents the results of an independent third-party evaluation of the Commercial Fuel Systems FP Series Fuel Fill Port Spill Containment. A review of the Fuel Fill Port Spill Containment was conducted by Ken Wilcox Associates, Inc. Laboratory testing was conducted by Ken Wilcox Associates, Inc. (KWA) at the KWA test facility.

Technical questions regarding this testing should be directed to Sean Smith, Commercial Fuel Systems, at 346-236-5151.

Approved:

A handwritten signature in black ink, appearing to read "Craig Wilcox". The signature is fluid and cursive, with the first name "Craig" and last name "Wilcox" clearly distinguishable.

Mr. Craig D. Wilcox, President, Ken Wilcox Associates
October 21, 2022

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<u>Section</u>	<u>Page No.</u>
Preface	ii
Background	1
Laboratory Testing and Observations	
1.0 Description of the Equipment	1
2.0 Evaluation Procedures and Test Results	2
3.0 Discussion	2

Commercial Fuel Systems Spill Containment

Background

This evaluation was conducted for Commercial Fuel Systems for the purpose of gaining approval for the FP Series Fuel Fill Port Spill Containment for use in the State of Florida. This will allow Commercial Fuel Systems to obtain regulatory approval for use of their equipment in Florida.

Although there are regulations regarding leaks from sumps and other containment vessels, there are no environmental regulations regarding the design and operation of spill containment vessels. This testing was designed to highlight the construction features and operational characteristics of the Commercial Fuel Systems FP Series Fuel Fill Port Spill Containment. This information can be useful to end users of this equipment.

This report describes the testing that was conducted by KWA to establish a few basic performance parameters.

Part 1. Laboratory Testing and Observations

1.0 Description of the Equipment

The Commercial Fuel Systems FP Series Fuel Fill Port Spill Containment is designed to catch the small spills that often occur during delivery of product to a fuel storage tank. The construction material used for the construction of the spill containment that was provided for this evaluation is aluminum. The dimensions of the Commercial Fuel Systems FP Series Fuel Fill Port Spill Containment cabinet that was evaluated are 18x30" wide with a height of 30".

The basic design includes provisions for the Commercial Fuel Systems FP Series Fuel Fill Port Spill Containment to be connected to the delivery hose of a tanker truck. A hinged and lockable door is included to prevent rain from entering the spill containment cabinet when not in use. The spill containment cabinet door can be easily opened with a ¼ turn from a flat head screw driver and has an option to be locked with a key.

2.0 Testing Procedures and Test Results

Spill Containment Leak Test

To test the Commercial Fuel Systems FP Series Fuel Fill Port Spill Containment for leaks, the spill containment cabinet was blocked in a level position and filled with water up to the flood level of the containment area of the cabinet. After 24 hours there was no indication of loss of liquid.

Spill Containment Volume Measurement

Water was added to the Spill Containment until it was filled to the flood level of the spill containment cabinet. To determine the volume of the water, the Fuel Fill Port Spill Containment cabinet was weighed without any water and then again once it was filled up to the flood level of the spill containment area of the cabinet with water. The total mass of water was then converted to volume in order to determine the capacity of the spill containment area of the cabinet. The Spill Containment sample that was provided was found to have a volume of 7.66 gallons.

Fuel Compatibility Tests

The Commercial Fuel Systems FP Series Fuel Fill Port Spill Containment cabinet was tested with Diesel fuel, Bio-Diesel, Unleaded Fuel and Ethanol fuel within the spill containment area up to the flood level of the cabinet. There was no observed degradation of the cabinet material after 24 hours of exposure with each of the 4 test fuels.

Commercial Fuel Systems Spill Containment

2.0 Discussion

The evaluation of the Commercial Fuel Systems FP Series Fuel Fill Port Spill Containment results in the conclusion that the device performs as advertised. Small amounts of fuel that are spilled during deliveries are prevented from spilling onto the ground. All of the components were well engineered and fit together to provide a spill control device for controlling and managing spills that typically occur during the filling of a fuel storage tank. The results stated in this evaluation apply to the sample as provided by Commercial Fuel Systems.

Attachment V

FDEP Form 62-762.901(9), F.A.C

Storage Tank System Equipment Registration Form



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: Commercial Fuel Systems

Contact Name: Sean Smith

Company Address: 11910 Trickey Rd

City: Houston, Texas

Zip: 77067

E-mail: sean@commercialfuelsystems.com

Contact Number: 346-236-5151

Product Name: Fuel Fill Port

Model Number(s): 'FP' Series

Product Type: Spill Containment

Rule(s) citation within Chapter 62-761, or 62-762, F.A.C. that registration is being requested: 62-762

62-762.501(1)(b); 62-762.501(2)(f) 1., 62-762.850(2)

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

Requesting Fla. DEP approval of equipment registration related to the 'FP' series fill box / spill containment for tank re-fueling use.

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-_____	☐	☐	☒
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.:

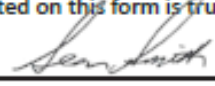
The fill box contains the truck fill connection and related alarming devices. The containment basin holds up to 7.5 gallons.

Equipment Registration Certification:

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

Sean Smith - Managing Member

Printed Name and Title


Signature

11/02/22

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: _____

Attachment VI

Photos of the Commercial Fuel Systems **Fuel Fill Port– FP Series**









 **COMMERCIAL
FUEL SYSTEMS**
Fuel Fill Port
www.commercialfuelsystems.com

Equipment Registration Application to the Florida DEP Storage Tank Regulation Section prepared and completed by:



Marshall T. Mott-Smith, President
Mott-Smith Consulting Group, LLC
111 North Calhoun Street
Tallahassee, FL 32301
marshall@mott-smithconsulting.com
850-391-9835 work
850-591-1434 cell
www.mott-smithconsulting.com



Marshall Tipton Mott-Smith

November 2, 2022