



PUMP MEASURE CONTROL
Fuel Dispensing and Metering Solutions

Commander Marine Dispenser

The Commander dispenser is designed to give many years of trouble free service in the harsh environments of fleet and marine fueling operations. This is evident in the heavy duty frame and components used in its construction.

The hydraulic system utilizes aluminum castings with flanged connections for ease of maintenance. The dispenser can be configured for either single or dual hose operation using either 20 GPM and/or 60 GPM meters. As a dual hose dispenser, the two sides are electrically and hydraulically separate, lowering the risk that both sides will be disabled due to a single component failure.



Retail and Commercial units are identical with the exception of the displays. Retail dispensers utilize a triple line, seven digit, backlit LCD displays to show volume, total sale and price per unit of volume. The commercial dispensers use a single line, seven digit display for volume only. The seven digit displays give the CMDR dispenser the capacity to handle transaction information up to 99,999.99.

Communications with a POS system can be accomplished using one of two methods. The dispenser can communicate via a two-wire EIA-485 interface using PMC's protocol or via a 'hard' wired interface. Using the 'hard' wired interface, the dispenser can mimic a mechanical dispenser, allowing it to interface with most POS and card systems. Contact PMC for a current list of devices supporting the PMC protocol.

- ◆ 20 & 60 GPM configurations
- ◆ Single or dual hose
- ◆ Piston or rotary PD meters
- ◆ 2-Stage control valve
- ◆ Satellite capable (60 GPM units)
- ◆ Resale accurate
- ◆ Communications interface
- ◆ Dual sided retail or commercial electronic displays
- ◆ Programmable pulse output
- ◆ Complete stainless steel construction
- ◆ Powder coated welded chassis
- ◆ ETL listed



www.pmc-ga.com

Commander Marine Dispenser

SPECIFICATIONS

MODELS

Actual delivery rates will vary, depending upon the design of the fuel system, length of hose, type of nozzle, etc.

CMDR2000**M	Single hose/single product SIDE 1: 20 GPM SIDE 2: N/A
CMDR2200**M	Dual hose/dual product SIDE 1: 20 GPM SIDE 2: 20 GPM
CMDR2600**M	Dual hose/dual product SIDE 1: 20 GPM SIDE 2: 60 GPM
CMDR6000**M	Single hose/single product SIDE 1: 60 GPM SIDE 2: N/A
CMDR6600**M	Dual hose/dual product SIDE 1: 60 GPM SIDE 2: 60 GPM

CONSTRUCTION

Chassis: Powder coated 304 stainless steel.
 Panels: Brushed finish 316 stainless steel.

DISPLAYS

Seven digit backlight LCD displays with UV blocking acrylic windows.

Capacities (*typical for US gallons)

	Retail	Commercial
Total Sale	99999.99	N/A
Total Volume	99999.99	99999.99
Unit Price	0.001– 99.999	N/A

**Location of decimal point is programmable*

SUPPLY CONNECTION

1-1/2" NPT except model 6600 series which is 2" NPT.

FILTRATION

Single element spin-on cartridge (20 GPM meter)
 Inlet strainer (60 GPM meter)

METER

1" positive displacement meter (1-20 GPM)
 1-1/2" positive displacement meter (6-60 GPM)

SOLENOID VALVE

2-stage 1" (20 GPM meter)
 2-stage 1-1/2" (60 GPM meter)

HOSE CONNECTION ON OUTLET

20 GPM models: 1" female NPT
 60 GPM models: 1-1/2" female NPT

MAXIMUM WORKING PRESSURE

50 PSI.

VOLTAGE AND FREQUENCY

USA Standard: 120 VAC/60 Hz
 International: 120/240 VAC, 50/60 Hz

PULSE OUTPUT (standard)

Programmable pulse output provided for connection to console / card access system. Selectable for money or volume pulse. Volume pulse resolution: 10 or 100 pulses per volume.

COMMUNICATIONS INTERFACE

2-wire EIA-485 communications interface

APPROVALS

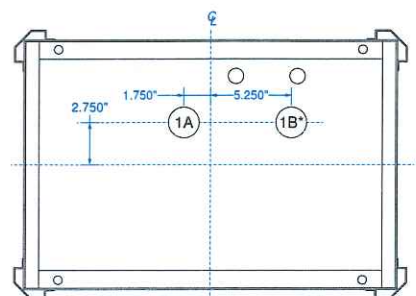
ETL Listed. — Weights and Measures sealable for retail sale of fuel.
 NTEP Certificate number: 13-077

NOZZLE COMPATABILITY

11A Style, 7H Style, and 1290 Style through 1-1/2". Contact factory for other types.

SINGLE PRODUCT / SINGLE HOSE

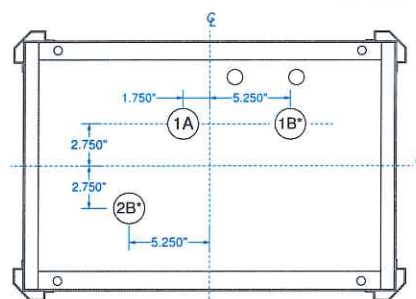
1A - INLET SIDE 1
 1B* - SATELLITE FEED SIDE 1



SIDE 2 SIDE 1
DISPENSER FRONT

SINGLE PRODUCT / DUAL HOSE

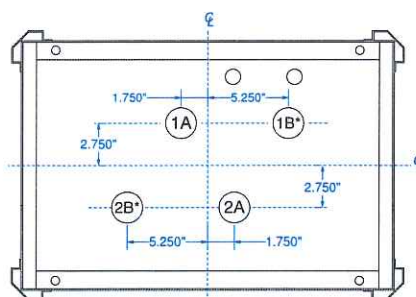
2B* - SATELLITE FEED SIDE 2 1A - INLET SIDE 1 & SIDE 2
 1B* - SATELLITE FEED SIDE 1



SIDE 2 SIDE 1
DISPENSER FRONT

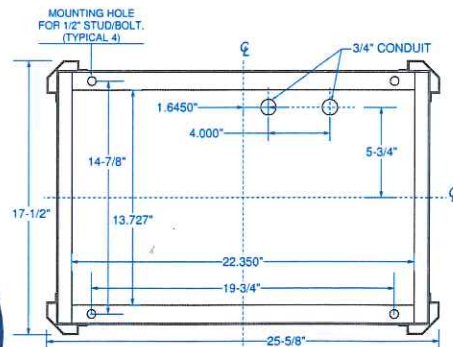
DUAL PRODUCT / DUAL HOSE

2A - INLET SIDE 2 1A - INLET SIDE 1
 2B* - SATELLITE FEED SIDE 2 1B* - SATELLITE FEED SIDE 1

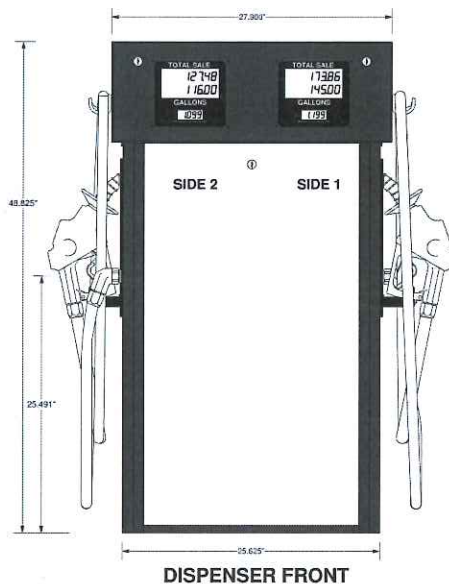


SIDE 2 SIDE 1
DISPENSER FRONT

FRAME DIMENSIONS COMMON TO ALL MODELS



SIDE 2 SIDE 1
DISPENSER FRONT



DISPENSER FRONT





The Features You Want, the Security You Need

Featuring sleek design and easy operation, the Petro Vend 300E (PV300E) fuel island terminal is an all-in-one insert-style unit with a 7-inch touch screen and alpha entry. Engineered for maximum payment flexibility, the PV300E includes Tap-n-Pay options for contactless cards and both ApplePay and Google Wallet transactions. What's more, our Petro Vend EMV® fuel management system offers secure EMV® processing direct from the terminal, eliminating point-of-sale (POS) or fuel site controller PCI updates from the scope. We also offer multiple methods to add CAT5 connectivity to the EMV® terminals for secure authorization link (hardware, wireless LAN, cradlepoint device).

Whether your fueling operation uses dispensers with built-in payment systems or separate island terminals, the Petro Vend fuel control family has the ideal solution to meet your EMV® needs. If you're considering brand new terminals, our PV300E model delivers the latest in secure, reliable payment control. For other systems, our retrofit kits work with many of today's most popular dispensers.

Technical Specifications

Readers: Hybrid EMV Chip Card and Magnetic-stripe card reader, Optional NFC Reader

Display: 7-inch touchscreen VGA display

Receipt Printer: The high-resolution, thermal receipt printer has an integral cutter and large paper roll

Keypad: Secure keypad with built-in privacy shield

Cabinet Dimensions: 12.5" H x 17.5" W x 13.5" D (31.75cm x 44.45cm x 34.29cm)

Pedestal Dimensions: 48" H x 14" W x 8" D (122cm H x 36cm W x 20cm D);
32-inch and 40-inch heights are optional

Operating Temperature Range: -40°F to 122°F (-40°C to 50°C)

Power Requirements: 120/240 VAC (auto detectable), 50/60 Hz; 250 watts max



Transition sumps provide secondary containment for under-to-above ground piping connections.

OPW-FCS offers a variety of *Transition sumps* that are used to provide secondary containment for the fitting connections where underground piping transitions to above ground piping. Transition sumps are commonly used where above ground storage tank supply lines transition to underground supply lines, and where underground vent lines transition to a vent stack.

Sump Features

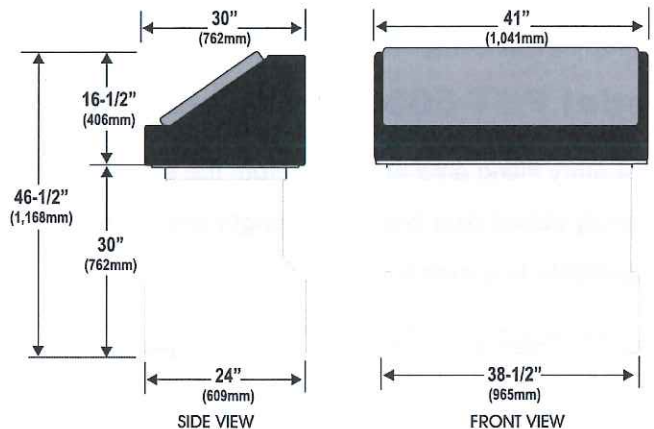
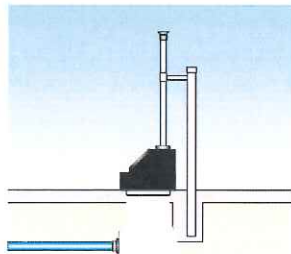
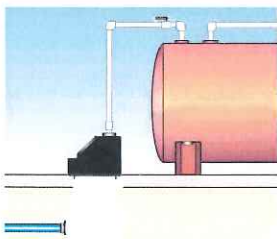
- Non-corroding, polyethylene sump container
- Weatherproof lockable cover
- Exterior anchoring system
- Convenient interior access
- Internal riser stabilizer bar

AST Application

Provides secondary containment and accessibility to the fittings that connect the underground supply piping to the rigid supply piping that leads from an above ground storage tank.

Vent Stack Application

A Transition Sump is used for containment and accessibility to the fittings. At the vent stack, where the underground vent piping connects to the rigid vent stack piping.



PTS-4021 - Two-Piece Transition Sump

OPW Island Forms and Protective Curbing

OPW is the world leader in commercial and industrial protective curbing products. The company designs, engineers and manufactures island forms, curb fascia, pipe and bumper guards to meet virtually any protective curbing application.

OPW Island Forms Feature:

- ◆ **Variety of End Sections, Lengths, Widths and Styles** – allows for a customized fit to site constraints and requirements.
- ◆ **Spacious Mid-Section** – provides ample room to install standard and wide-access dispenser sumps from the top of the island.
- ◆ **Unique Sump Mounting System** – ensures the dispenser sump is anchored to the Island Form and adjustable to accommodate various width sumps.
- ◆ **Convenient Shipping and Storage** – revolutionary threaded-stud bracing system allows forms to stack together and enables boxing of the island assembly.
- ◆ **Easy Installation** – cross braces bolt onto threaded studs. Field welding is not required.
- ◆ **Attractive Appearance** – link plates impart a crisp, clean exterior joint between sections for a smooth, finished presentation.
- ◆ **Material** – Standard models are 12 gauge steel powder coated gray and stainless steel models are 304 stainless.

OPW Island Forms

Designed to protect gasoline dispensers, electronic equipment, kiosks, bank teller and ATM equipment, as well as to restrict or route material handling equipment in warehouses, OPW Island Forms and Protective Curbing streamline traffic flows in toll booths and quick-serve restaurants and various other commercial traffic management applications.

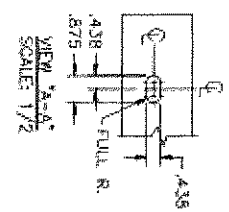
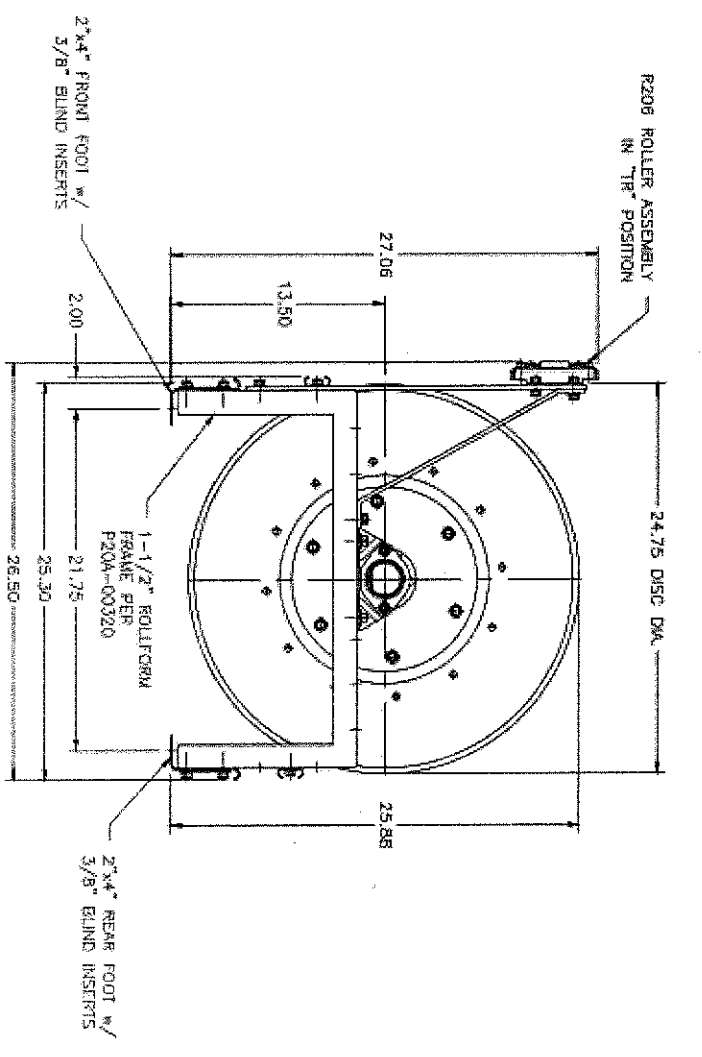
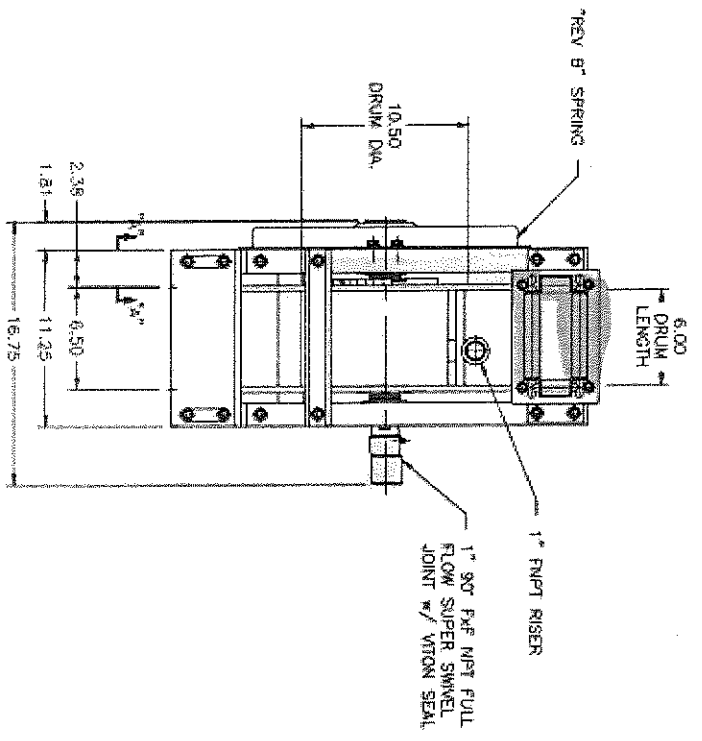
ADA-compliant island forms now available!
In order to meet both the 2010 ADA Regulations as well as NFPA Regulations without the need for bollards, use one of our two-level island forms.



Listings and Certifications

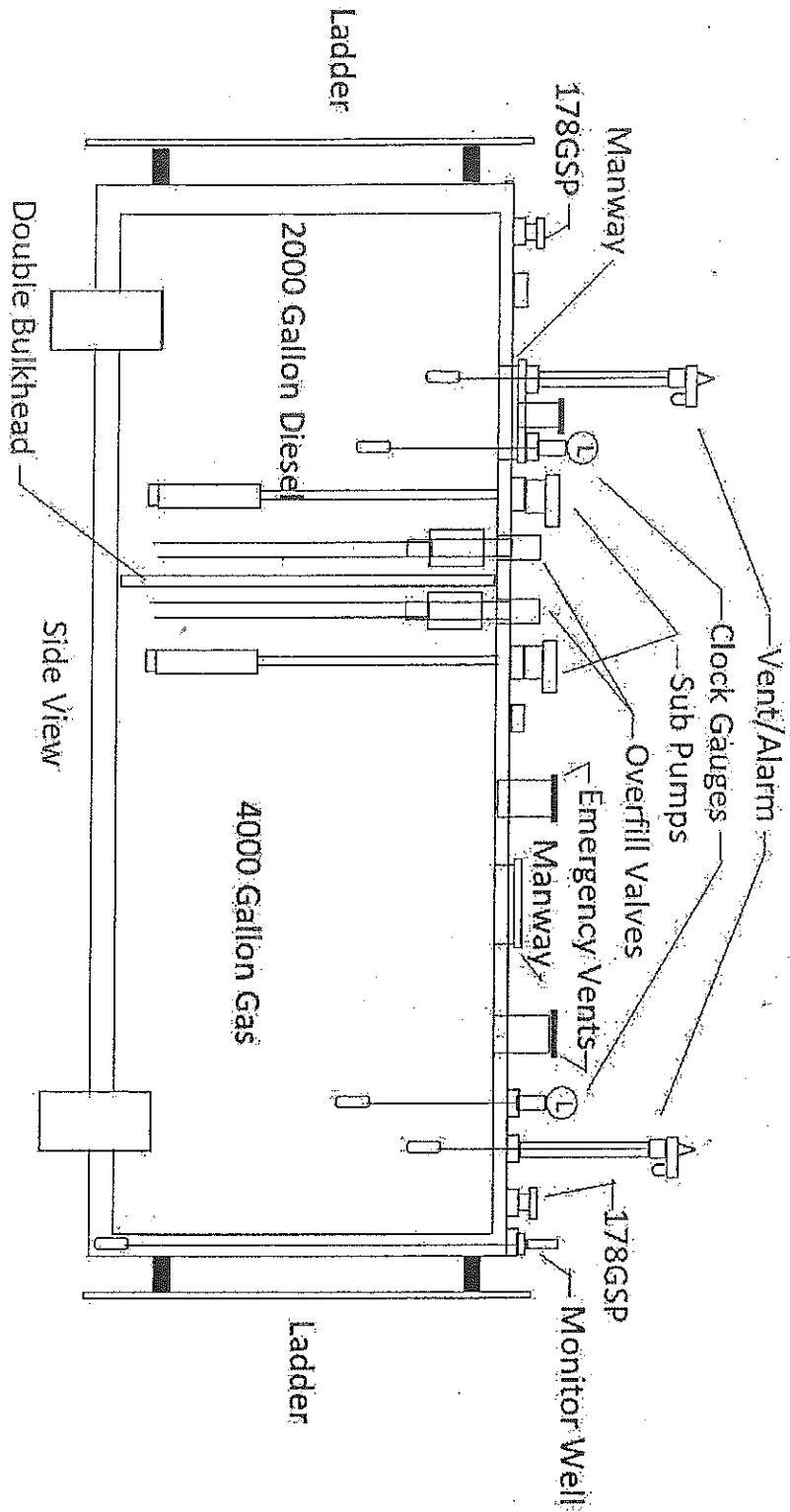


2005 UL Standard for safety for non-metallic underground piping for flammable liquids, UL971.



DO NOT SCALE DRAWING ON AUTOCAD 2018 THIS DOCUMENT IS THE PROPERTY OF HANNAY REELS.	BRASS SWEEP CONTACT THREE ANGLES PROTECTION	HANNAY REELS 543 STATE RD WESTPORT, NY 121 PHONE 518-261-44 WWW.HANNAY
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES 1/8 DECIMALS ± 0.01 1/16 DECIMALS ± 0.005 ANGLES ± 0.1 FRACTIONS ± 0.001 MATERIALS ± N/A	STEEL FINISH: POLISHED	HANNAY REELS The Reel Leader 543 STATE RD WESTPORT, NY 121 PHONE 518-261-44 WWW.HANNAY
DATE: 11/15/18	SIZE: 8 1/2" x 11"	8 1/2" x 11" x 11"

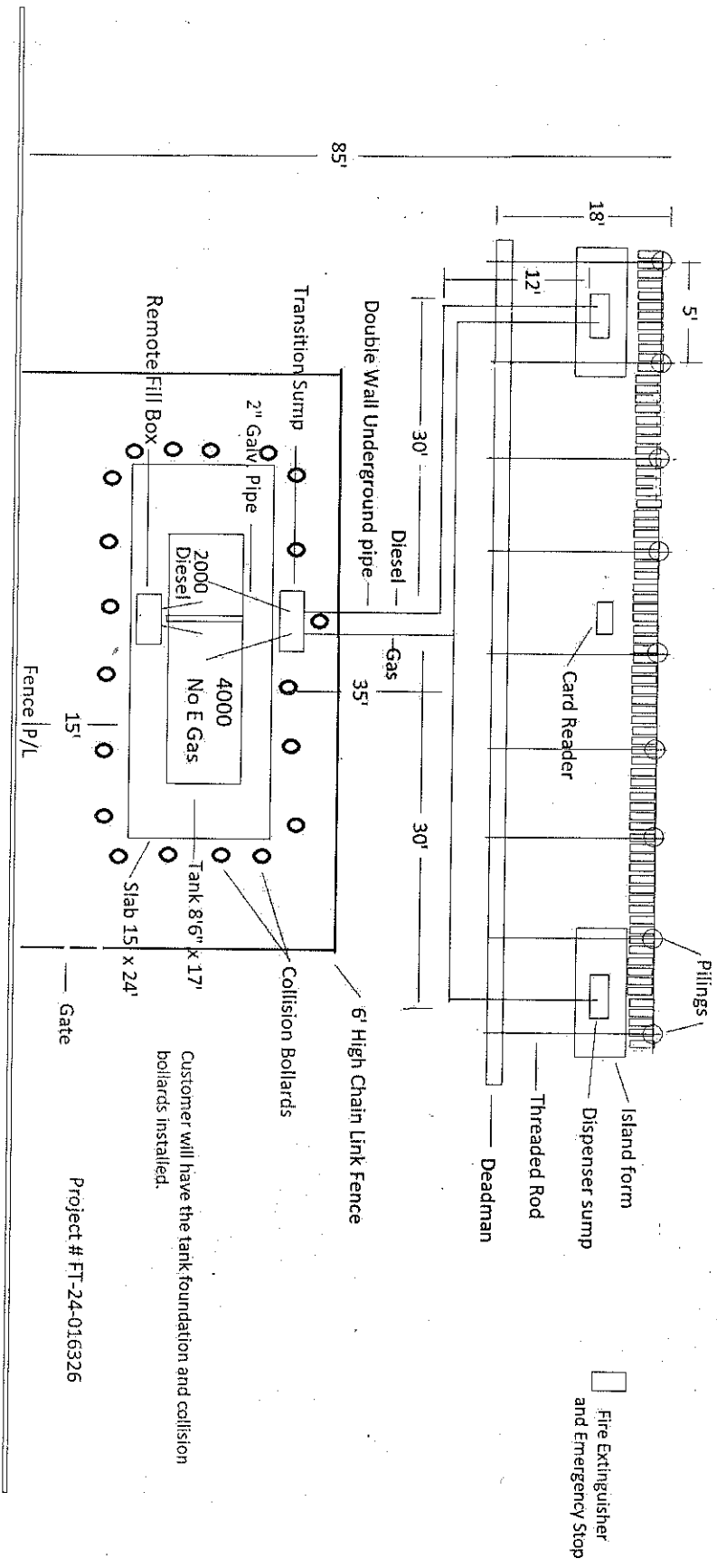
From: Calvin Moorman <Calvin.Moorman@jfpetrogroup.com>
 Sent: Thursday, June 6, 2024 4:16 PM
 To: Todd Doherty <Todd.Doherty@hannay.com>
 Subject: reel quote



6000 Gallon Fireguard UL 2085 AST
 2-Compartment 2000/4000

		SCALE: None	APPROVED BY:	DRAWN BY: CPM
		DATE: 8-1-24		
Foggy Waters Marina 58047 Hwy 433 Slidell, La. 70460				
2305 L&A Rd Metairie, LA 70001 Ph: 504-367-5598 Fax: 504-367-9800				

Foggy Waters Marina



THE INSTALLATION WILL BE IN ACCORDANCE WITH NFPA 30 & 30A. THERE WILL BE AN EMERGENCY STOP BUTTON WITHIN 50' OF DISPENSER. THE ELECTRICAL WILL BE INSTALLED IN ACCORDANCE WITH NEC CODES. CLASS 40/BC FIRE EXTINGUISHER. THE DISPENSERS WILL HAVE EMERGENCY VALVES. THE PRODUCT LINES WILL HAVE EMERGENCY VALVES AND ANTI SYPHON VALVES. THE TANKS WILL HAVE OVERFILL VALVES/DROP TUBES AND VENT ALARMS.

Customer will have the tank foundation and collision bollards installed.

Project # FT-24-016326

JF PETROLEUM GROUP

SCALE: None
 DATE: 8-1-24
 APPROVED BY: _____
 DRAWN BY: CPM
 REVISED: _____

Foggy Waters Marina
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 Slidell, La. 70460

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