



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: Patterson Pump Company

Contact Name: Michael Ellers

Company Address: 2129 Ayersville Road

City: Toccoa, Georgia

Zip: 30577

E-mail: ppc-service@pattersonpumps.com

Contact Number: (706) 886-2101

Product Name: Double Wall Fuel Tank

Model Number(s): 80 Gallon thru 1200 Gallon Fuel Tanks

Product Type: Flammable Liquid Storage

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

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

Double wall fuel tank built to be used with a diesel driven fire pump. 80, 120, 180, 240, 280, 360, 440, 550, 650, and 880 gallon sizes

The tank is built and tested in accordance with UL 142. UL 142 Certification per file EEEV.MH15336

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- 903</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.:

This fuel tank is to be installed in accordance with NFPA 20 standards.

Fuel tank can be installed with or without Spill Basin.

Equipment Registration Certification:

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

Mike Ellers Parts and Service Manager

Printed Name and Title

Mike Ellers

Signature

Digitally signed by Mike Ellers
DN: cn=US, ou=Service Department, o=Patterson Pump Company,
c=US, email=ellers@pattersonpumps.com
Reason: I am approving this document
Location: your signing location here
Date: 2022.03.21 09:15:54
Full Name: Mike Ellers

3/21/2022

Date

For Department Use Only:

Date Application Received: 3/21/2022

Application complete:

Yes: ☒ No: ☐

EQ- 903

Date of complete or incomplete letter sent: 4/12/2022

Date of entry to the DEP Equipment Registration List: 4/12/2022

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APPROX. FUEL TANK WEIGHTS:		
EMPTY =	612 LBS	278 KG
FULL =	1460 LBS	662 KG

UNIT:		PPC ORDER No:	
JOB:		CUSTOMER PO No:	
FUEL TANK CAPACITY:		GALLONS	
ENGINE MODEL:			
CERTIFIED BY:		DATE:	

ZONE	REV	ECR	DATE	BY
	1	41140	JAN. 30, 2018	MC

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APPROX. FUEL TANK WEIGHTS:

EMPTY =	750 LBS	340 KG
FULL =	2447 LBS	1110 KG

UNIT:

JOB:

FUEL TANK CAPACITY:

ENGINE MODEL:

CERTIFIED BY:

SEE PIPING NOTES "a" & "b"

(A)

(B)

(C)

(D)

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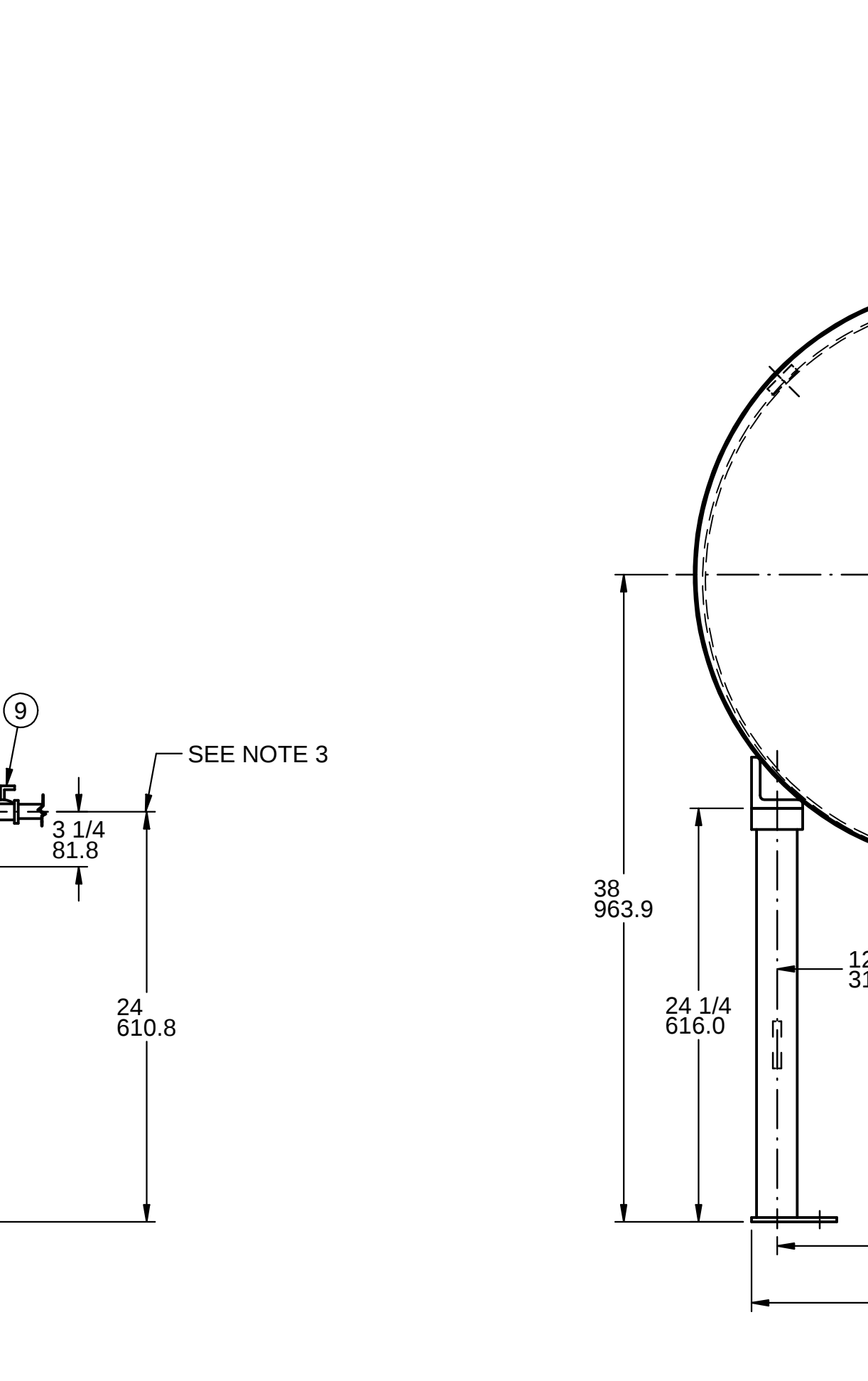
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72" MAX.
1828.8

DETAIL "B"
SCALE: NONE

FLEXIBLE MOUNTING ENGINE

FLEXIBLE MOUNTING ENGINE

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 PATTERSON PUMP COMPANY A GORMAN-RUPP COMPANY	240 GAL (DC) DIESEL DR
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APPROX. FUEL TANK WEIGHTS:

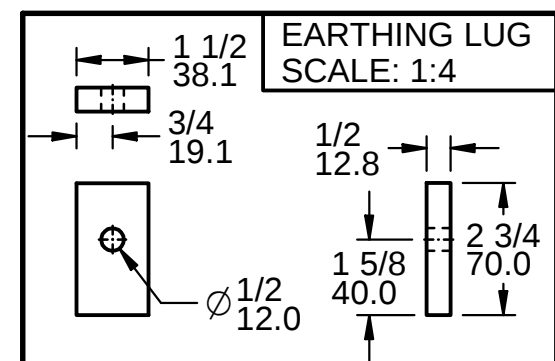
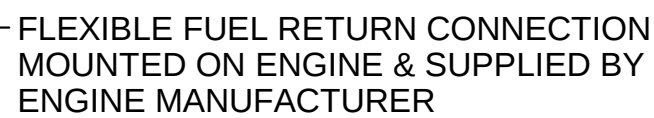
UNIT:	
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PPC ORDER No:	
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FUEL TANK CAPACITY:		GALLONS
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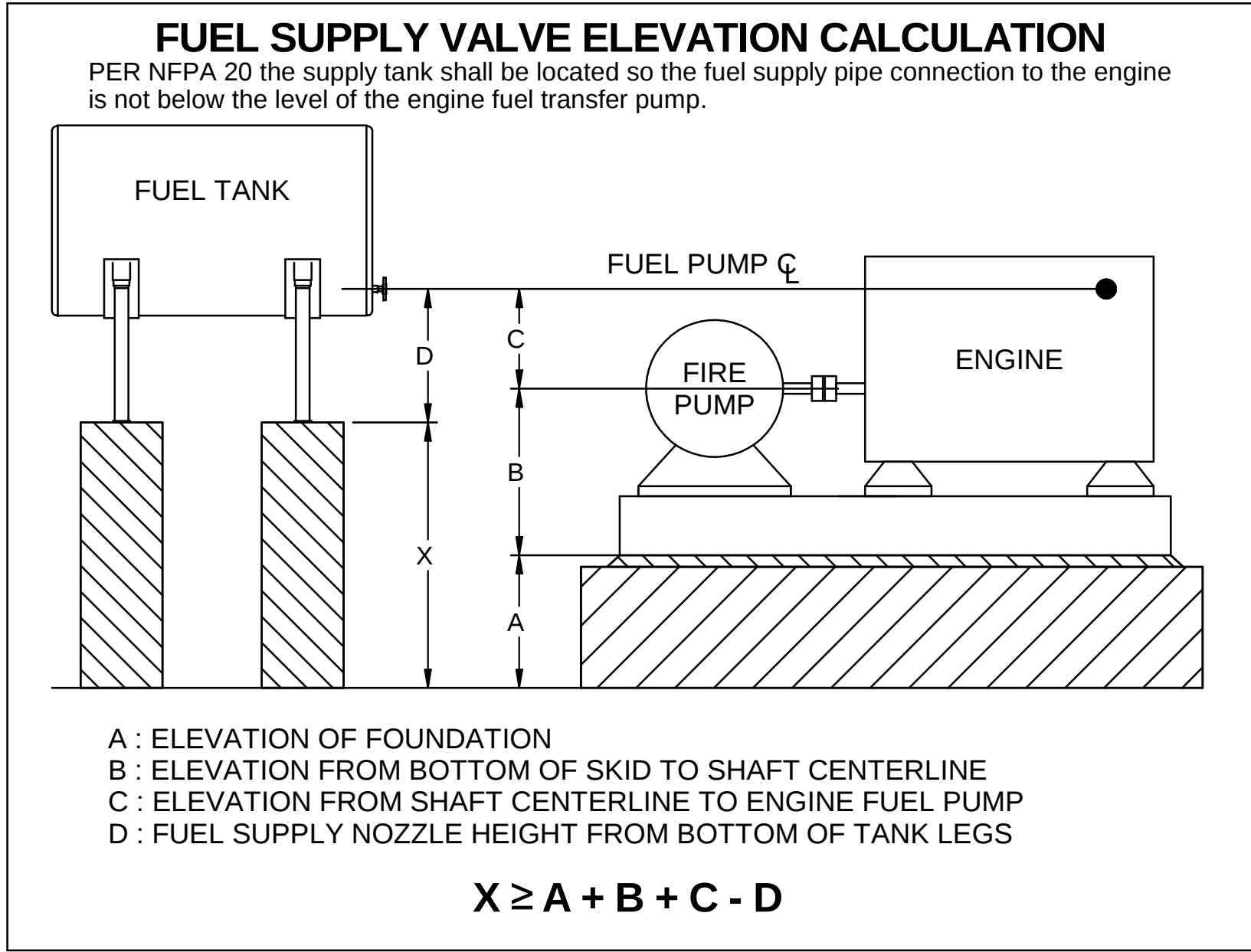
ENGINE MODEL:	
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CERTIFIED BY:	DATE:
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440 GALLON FUEL TANK
(DOUBLE WALL)
FOR
DIESEL DRIVEN FIRE PUMPS

DWG. NO. D02-115504		REV. 1
DRAWN mcaudell	DATE JAN. 14, 2010	
SCALE NONE	APPRVD. AP	



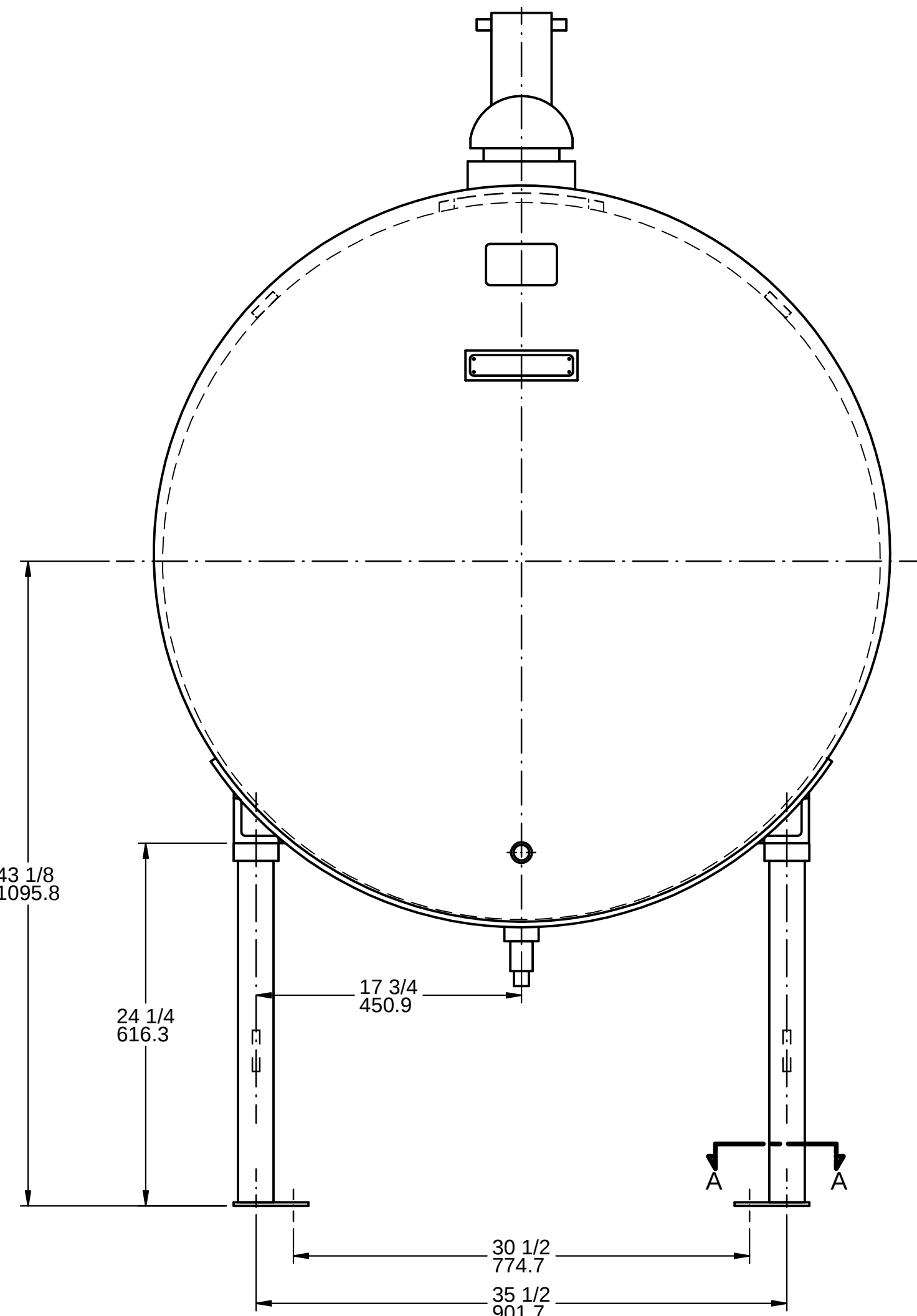
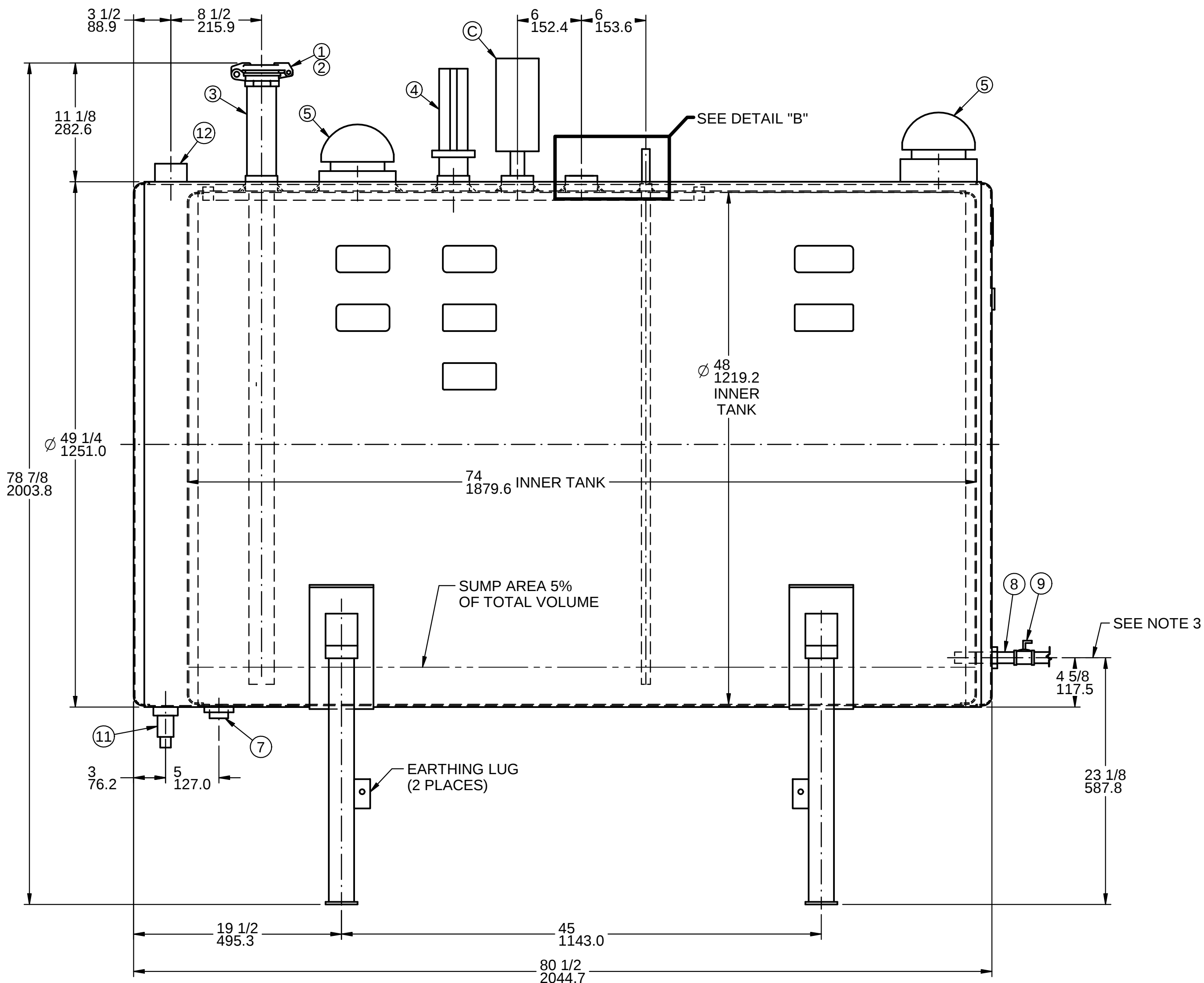
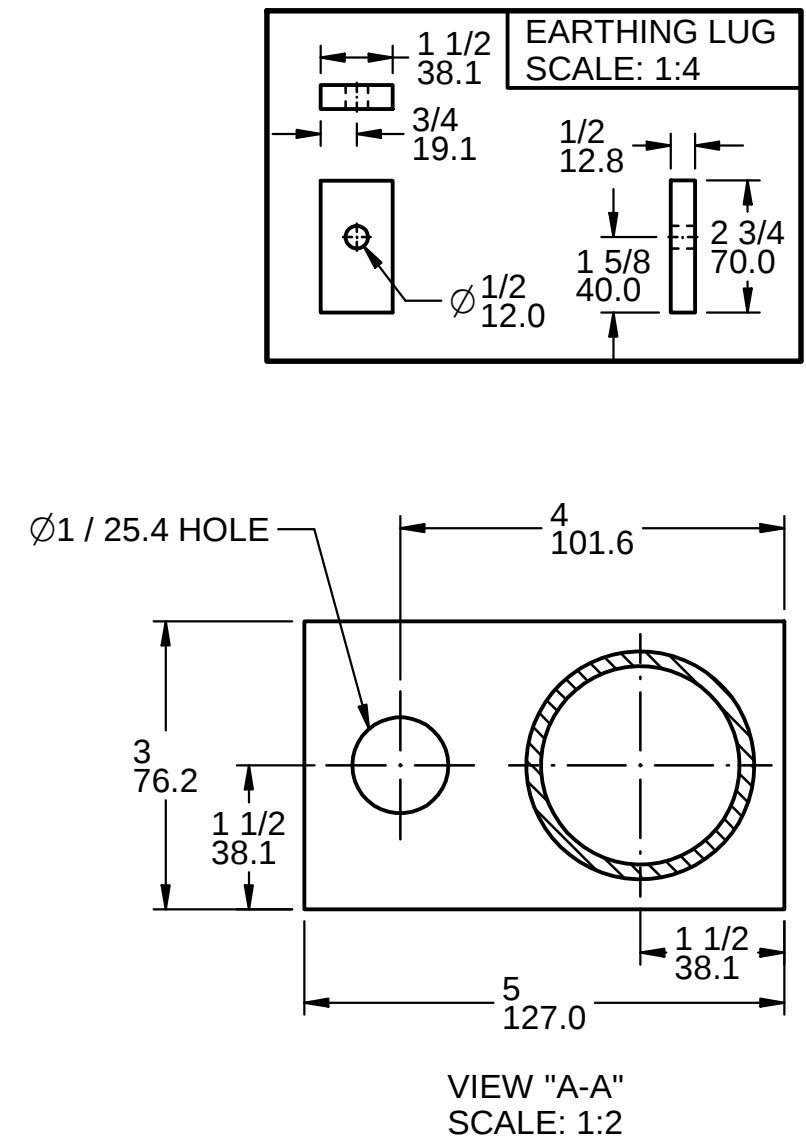
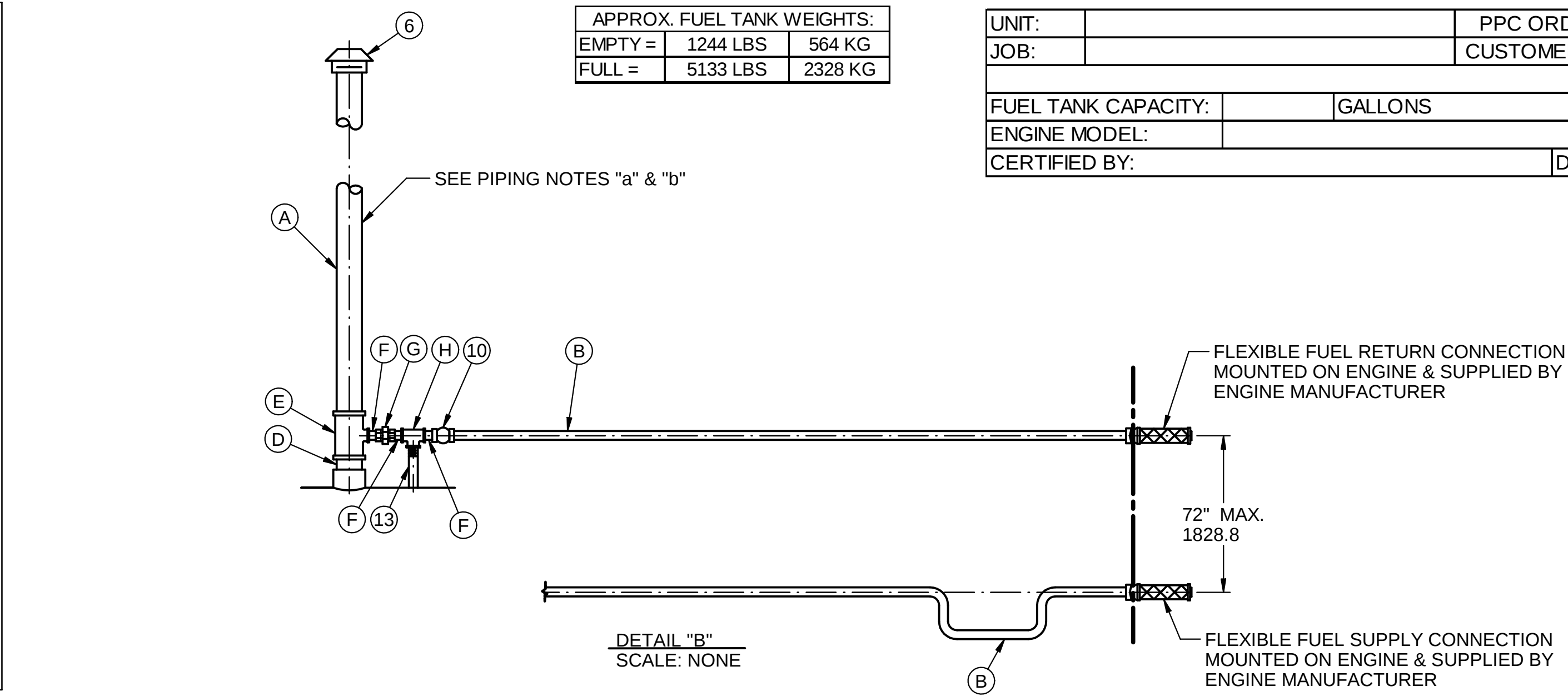
- GENERAL NOTES:
- 1) LEGS ARE SUPPLIED AS STANDARD.
 - 2) PITCH TANK TOWARD DRAIN 1/4"/ 6.4mm PER FOOT
 - 3) ADJUST FOUNDATION SO THAT THE FUEL INLET CENTERLINE IS NO LOWER THAN THE ENGINE FUEL PUMP CENTERLINE.
 - 4) DRAWING IN CONFORMANCE WITH NFPA 20 FIG A. 11.4.4
 - 5) MATERIAL OF CONSTRUCTION: A36
 - 6) TANKS ARE CONSTRUCTED & LABELED IN ACCORDANCE WITH UL-142.
 - 7) PRIMARY DIMENSIONS ARE INCHES, SECONDARY DIMENSIONS ARE MILLIMETERS.

- PIPING NOTES:
- a) ALL VENT & FUEL PIPING AS REQUIRED TO SUIT INSTALLATION BY OTHERS.
 - b) VENT PIPING SHALL TERMINATE AT LEAST 5 FT (1.5m) FROM BUILDING OPENINGS AND AT LEAST 12 FT (3.7m) ABOVE THE FINISHED GROUND LEVEL.
 - c) SIZE OF TUBING AND FITTINGS IS DETERMINED BY DIESEL ENGINE.
 - d) SCHEDULE 40 PIPE REQUIRED.
 - e) GALVANIZED & COPPER PIPE NOT ALLOWED.

* CAPACITIES DO NOT INCLUDE THE REQUIRED 5% FOR SUMP AND 5% FOR EXPANSION NEEDED FOR NFPA 20. THIS CAPACITY IS THE ACTUAL CAPACITY OF THE TANK.

ALL ITEMS LISTED BELOW ARE NOT SUPPLIED BY PPC WITH THE FUEL TANK		
H	1	1/2"X1/2"X1/2" FEMALE PIPE TEE
G	1	1/2" NPT UNION
F	3	1/2" STD. PIPE X 1-1/2"LG
E	1	2"X2"X1/2" FEMALE REDUCING PIPE TEE
D	1	2" STD. PIPE X 3-1/4"LG
C	1	LOW FUEL LEVEL SWITCH TO CONTROLLER (CONTROLLER OPTION)
B		STD. PIPE, LENGTH TO SUIT INSTALLATION
A		2" STD. PIPE, LENGTH TO SUIT INSTALLATION
ITEM	QTY.	DESCRIPTION

ALL ITEMS LISTED BELOW ARE SUPPLIED WITH THE FUEL TANK AS STANDARD		
13	1	1/2" STD PIPE
12	1	2" NPT CONNECTION FOR OUTER TANK SCREENED WEATHER VENT
11	1	LEAK SENSOR - SHIPS LOOSE
10	1	CHECK VALVE - SHIPS LOOSE
9	1	LOCK-OPEN VALVE - SHIPS LOOSE
8	1	LONG NIPPLE
7	1	1" NPT PIPE PLUG
6	2	SCREENED WEATHER VENT (2" NPT) - SHIPS LOOSE
5	2	EMERGENCY VENT VALVE - SHIPS LOOSE
4	1	FUEL LEVEL INDICATOR GAUGE - SHIPS LOOSE
3	1	2" FILLER NECK
2	1	REMOVABLE STRAINER (1/16"/1.52mm MESH) - SHIPS LOOSE
1	1	FILL CAP WITH PROVISION FOR PADLOCK - SHIPS LOOSE
ITEM	QTY.	DESCRIPTION



Patterson
PATTERSON PUMP COMPANY
A GORMAN-RUPP COMPANY

550 GALLON FUEL TANK
(DOUBLE WALL)
FOR
DIESEL DRIVEN FIRE PUMPS

DWG. NO.	REV.
D02-115502	2
DRAWN	DATE
mcaudell	JAN. 11, 2010
SCALE	APPRVD.
NONE	AP

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APPROX. FUEL TANK WEIGHTS:		
EMPTY =	1532 LBS	695 KG
FULL =	6128 LBS	2780 KG

UNIT:		PPC ORDER No:	
JOB:		CUSTOMER PO No:	
FUEL TANK CAPACITY:		GALLONS	
ENGINE MODEL:			
CERTIFIED BY:			DATE:

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A	B	C	D	E	F
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FUEL SUPPLY VALVE ELEVATION CALCULATION

PER NFPA 20 the supply tank shall be located so the fuel supply pipe connection to the engine is not below the level of the engine fuel transfer pump.

A : ELEVATION OF FOUNDATION
B : ELEVATION FROM BOTTOM OF SKID TO SHAFT CENTERLINE
C : ELEVATION FROM SHAFT CENTERLINE TO ENGINE FUEL PUMP
D : FUEL SUPPLY NOZZLE HEIGHT FROM BOTTOM OF TANK LEGS

$$X \geq A + B + C - D$$

A	B	C	D	E	F
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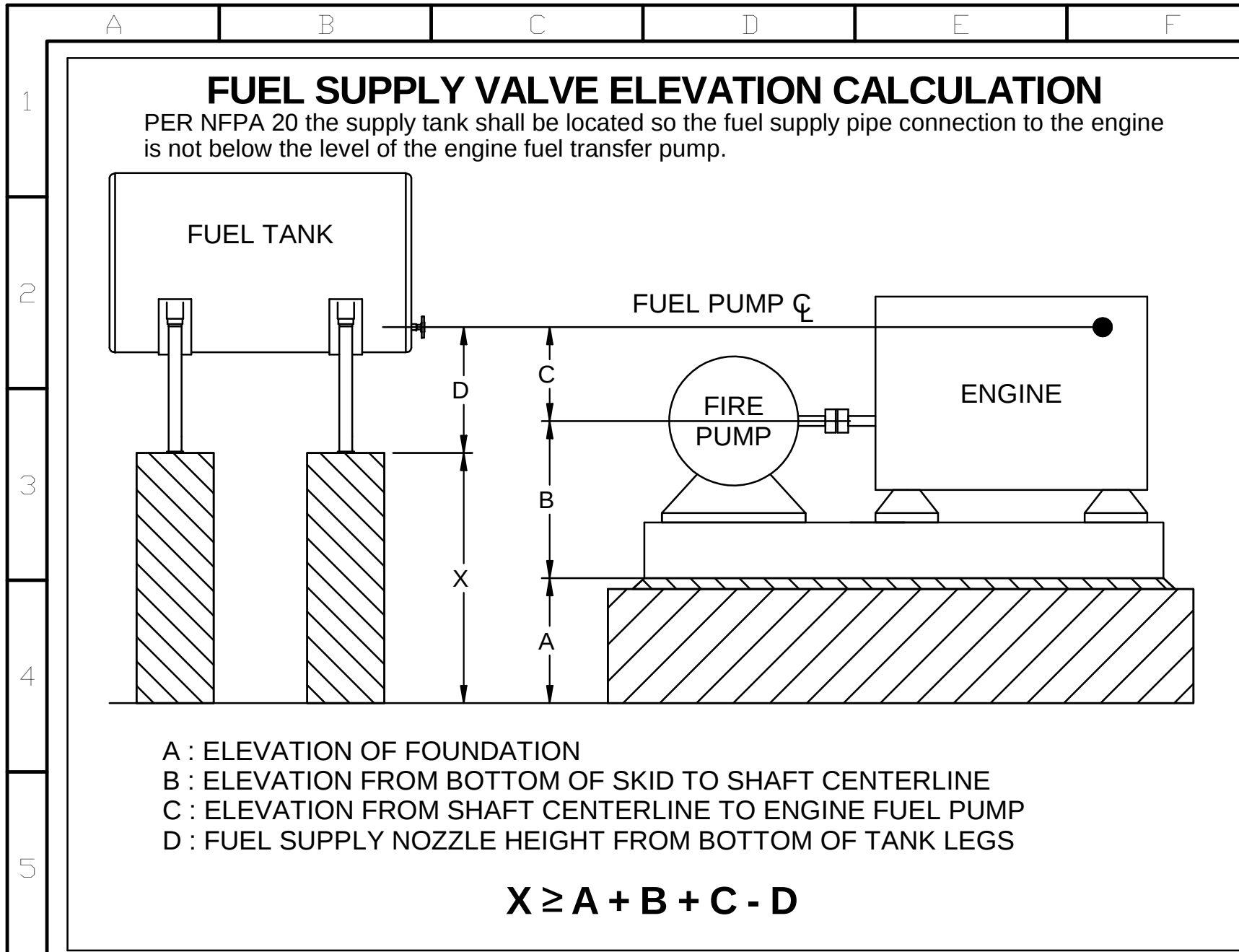
FUEL SUPPLY VALVE ELEVATION CALCULATION

PER NFPA 20 the supply tank shall be located so the fuel supply pipe connection to the engine is not below the level of the engine fuel transfer pump.

The diagram illustrates the elevation requirements for a fuel supply system. A fuel tank is shown on the left, supported by two legs of height X. A fuel supply pipe with a valve connects the tank to a fuel pump and engine assembly on the right. The fuel pump is labeled 'FIRE PUMP' and the engine is labeled 'ENGINE'. The elevation dimensions are defined as follows:

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A B C D E F

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C : ELEVATION FROM SHAFT CENTERLINE TO ENGINE FUEL PUMP

D : FUEL SUPPLY NOZZLE HEIGHT FROM BOTTOM OF TANK LEGS

$$X \geq A + B + C - D$$

GENERAL NOTES:

- 1) LEGS ARE SUPPLIED AS STANDARD.
- 2) PITCH TANK TOWARD DRAIN 1/4" / 6.4mm PER FOOT
- 3) ADJUST FOUNDATION SO THAT THE FUEL INLET CENTERLINE IS NO LOWER THAN THE ENGINE FUEL PUMP CENTERLINE.
- 4) DRAWING IN CONFORMANCE WITH NFPA 20 FIG A. 11.4.4
- 5) MATERIAL OF CONSTRUCTION: A36
- 6) TANKS ARE CONSTRUCTED & LABELED IN ACCORDANCE WITH UL-142.
- 7) PRIMARY DIMENSIONS ARE INCHES, SECONDARY DIMENSIONS ARE MILLIMETERS.

- A B C D E F
- ## FUEL SUPPLY VALVE ELEVATION CALCULATION
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* CAPACITIES DO NOT INCLUDE THE REQUIRED 5% FOR SUMP AND 5% FOR EXPANSION NEEDED FOR NFPA 20.
 THIS CAPACITY IS THE ACTUAL CAPACITY OF THE TANK.

APPROX. FUEL TANK WEIGHTS:

EMPTY =	1780 LBS	807 KG
FULL =	8002 LBS	3630 KG

SEE PIPING NOTES "a" & "b"

72" MAX.
1828.8

DETAIL "B"
SCALE: NONE

FLEXIBLE FUEL RETURN CONNECTION MOUNTED ON ENGINE & SUPPLIED BY ENGINE MANUFACTURER

FLEXIBLE FUEL SUPPLY CONNECTION MOUNTED ON ENGINE & SUPPLIED BY ENGINE MANUFACTURER

APPROX. FUEL TANK WEIGHTS:

EMPTY =	1780 LBS	807 KG
FULL =	8002 LBS	3630 KG

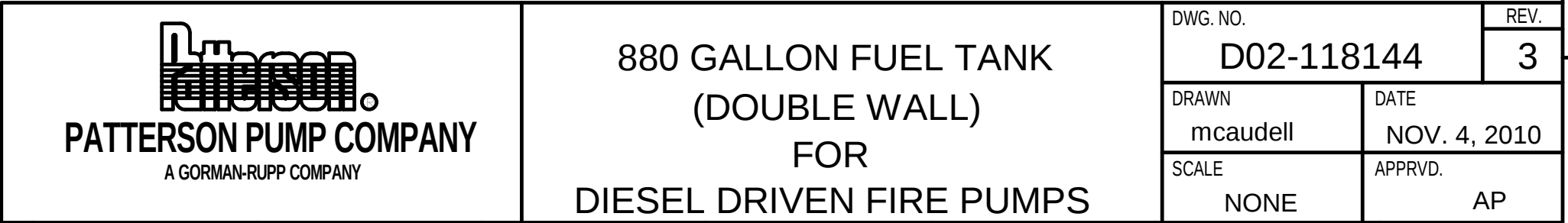
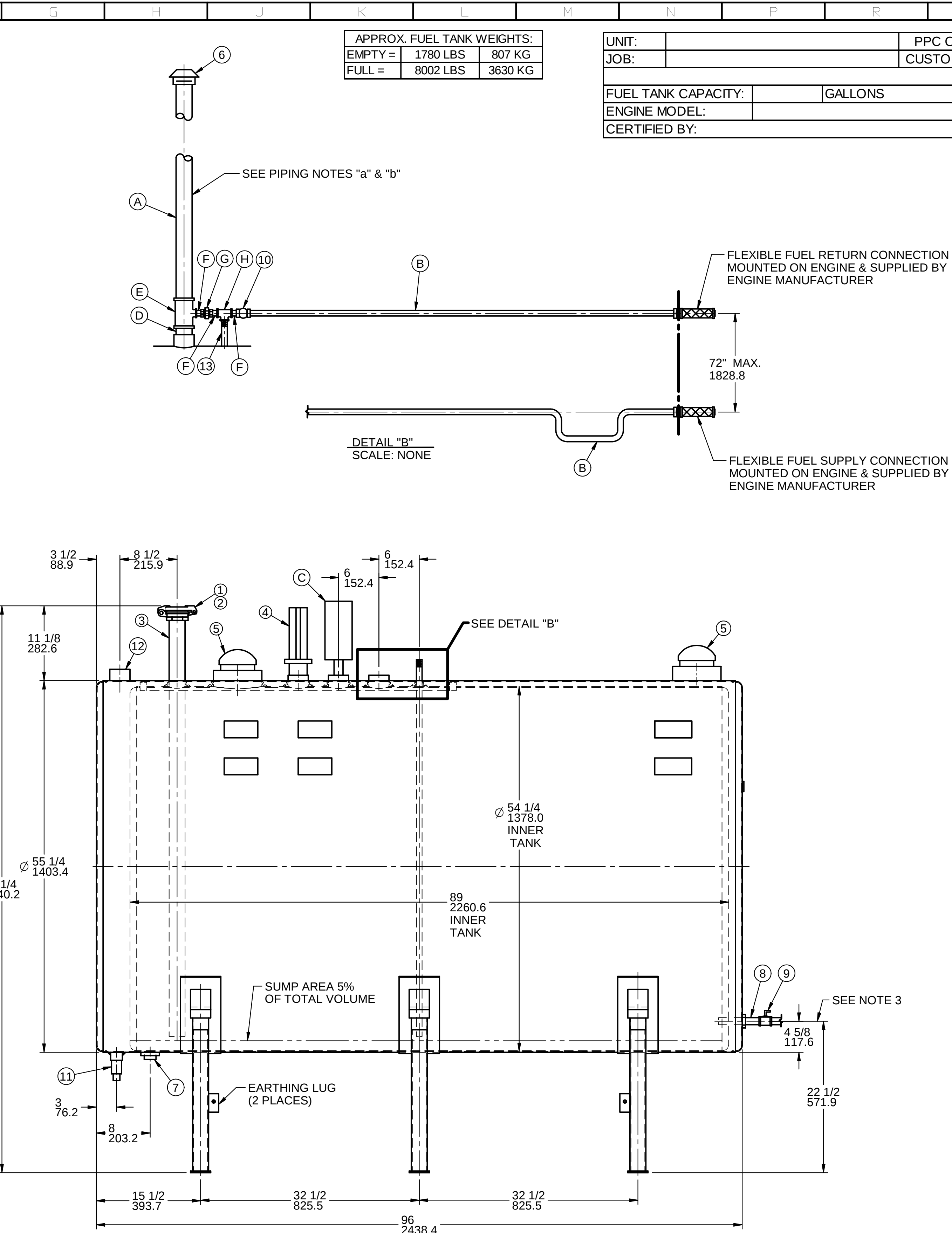
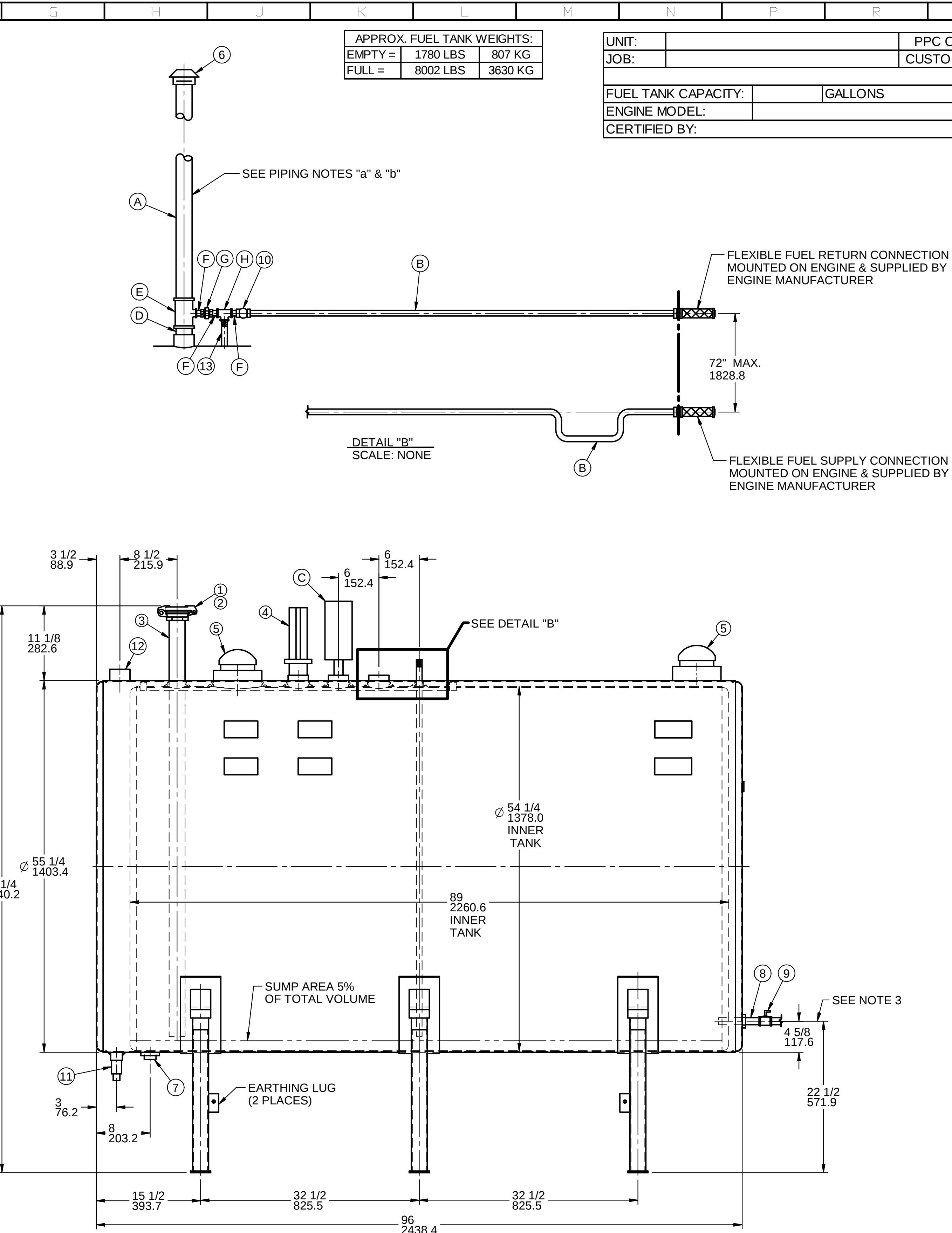
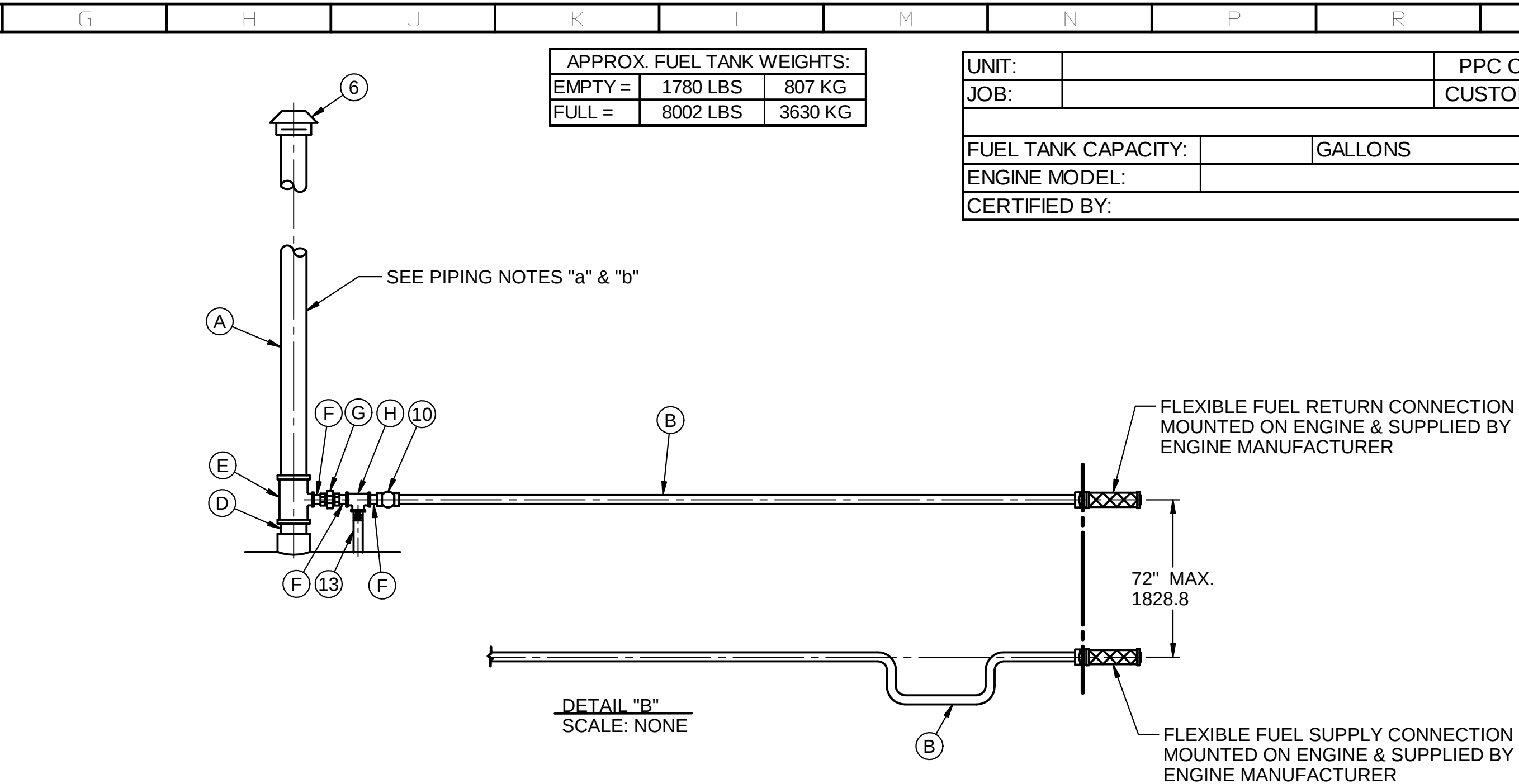
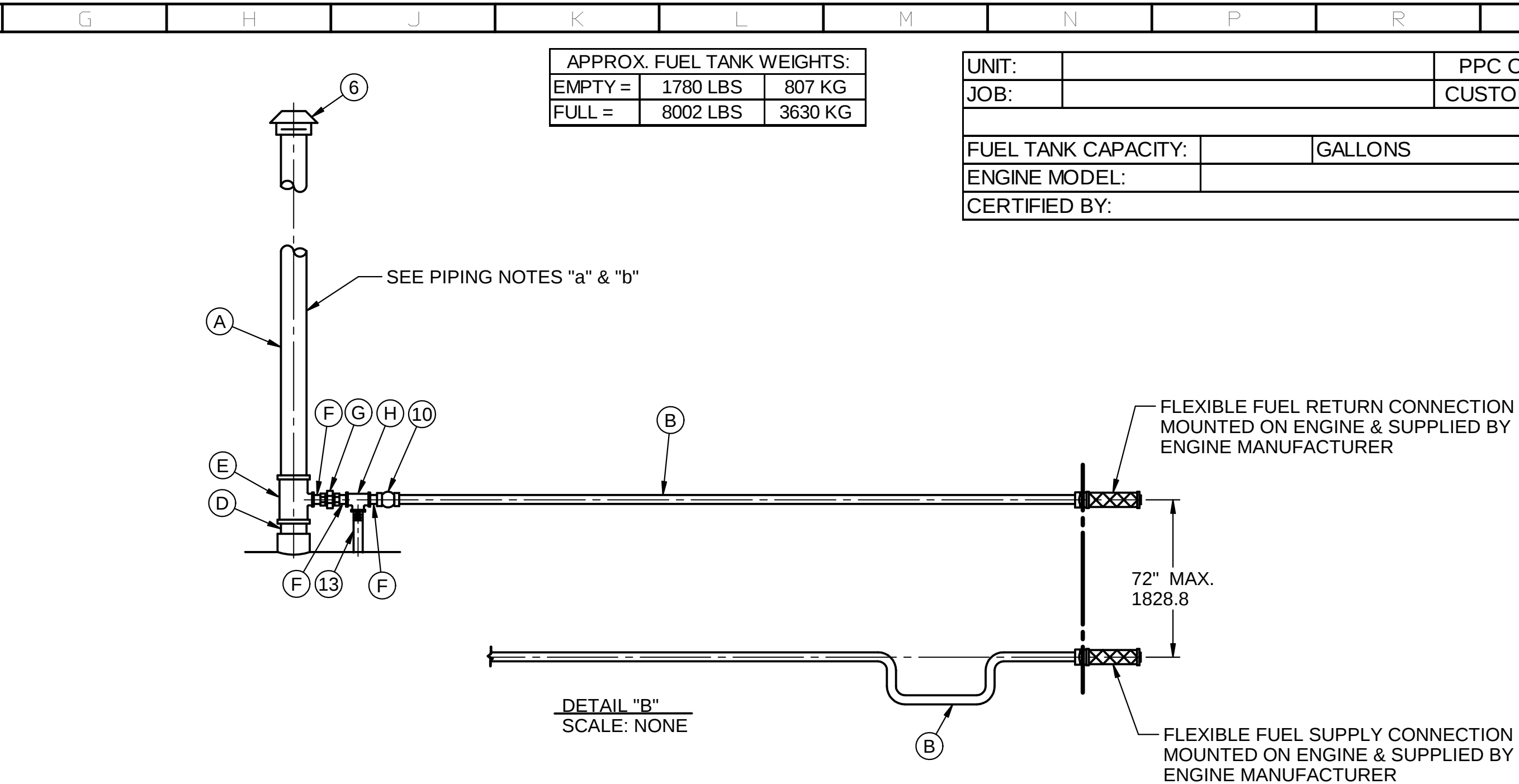
SEE PIPING NOTES "a" & "b"

72" MAX.
1828.8

DETAIL "B"
SCALE: NONE

FLEXIBLE FUEL RETURN CONNECTION MOUNTED ON ENGINE & SUPPLIED BY ENGINE MANUFACTURER

FLEXIBLE FUEL SUPPLY CONNECTION MOUNTED ON ENGINE & SUPPLIED BY ENGINE MANUFACTURER



 PATTERSON PUMP COMPANY A GORMAN-RUPP COMPANY	880 GALLON FUEL TANK (DOUBLE WALL) FOR DIESEL DRIVEN FIRE PUMPS	DWG. NO.		REV.	
		D02-118144		3	
		DRAWN mcaudell	DATE NOV. 4, 2010		
		SCALE NONE	APPRVD. AP		

 PATTERSON PUMP COMPANY A GORMAN-RUPP COMPANY	880 GALLON FUEL TANK (DOUBLE WALL) FOR DIESEL DRIVEN FIRE PUMPS	DWG. NO.		REV.	
		D02-118144		3	
		DRAWN mcaudell	DATE NOV. 4, 2010		
		SCALE NONE	APPRVD. AP		



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: Patterson Pump Company

Contact Name: Michael Ellers

Company Address: 2129 Ayersville Road

City: Toccoa, GA

Zip: 30577

E-mail: mike.ellers@pattersonpumps.com

Contact Number: (706) 886-2101

Product Name: 650 Gallon Double-Wall Fuel Tank

Model Number(s): 22003396-1013

Product Type: Flammable Liquid Storage

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

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

This is a 650 double wall fuel tank built to be used with a diesel driven fire pump. The tank is built and tested in accordance with UL 142.

UL 142 Certification per file EEEV.MH15336

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.:

This fuel tank is to be installed in accordance with NFPA 20 standards.

Equipment Registration Certification:

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

Mike Ellers Parts and Service Manager

Printed Name and Title

Mike Ellers

Signature

Digitally signed by Mike Ellers
Date: 2018.10.04 12:47:13 -04'00'

10/04/2018

Date

For Department Use Only:

Date Application Received: 10/5/2018 Renew by 10/8/2023

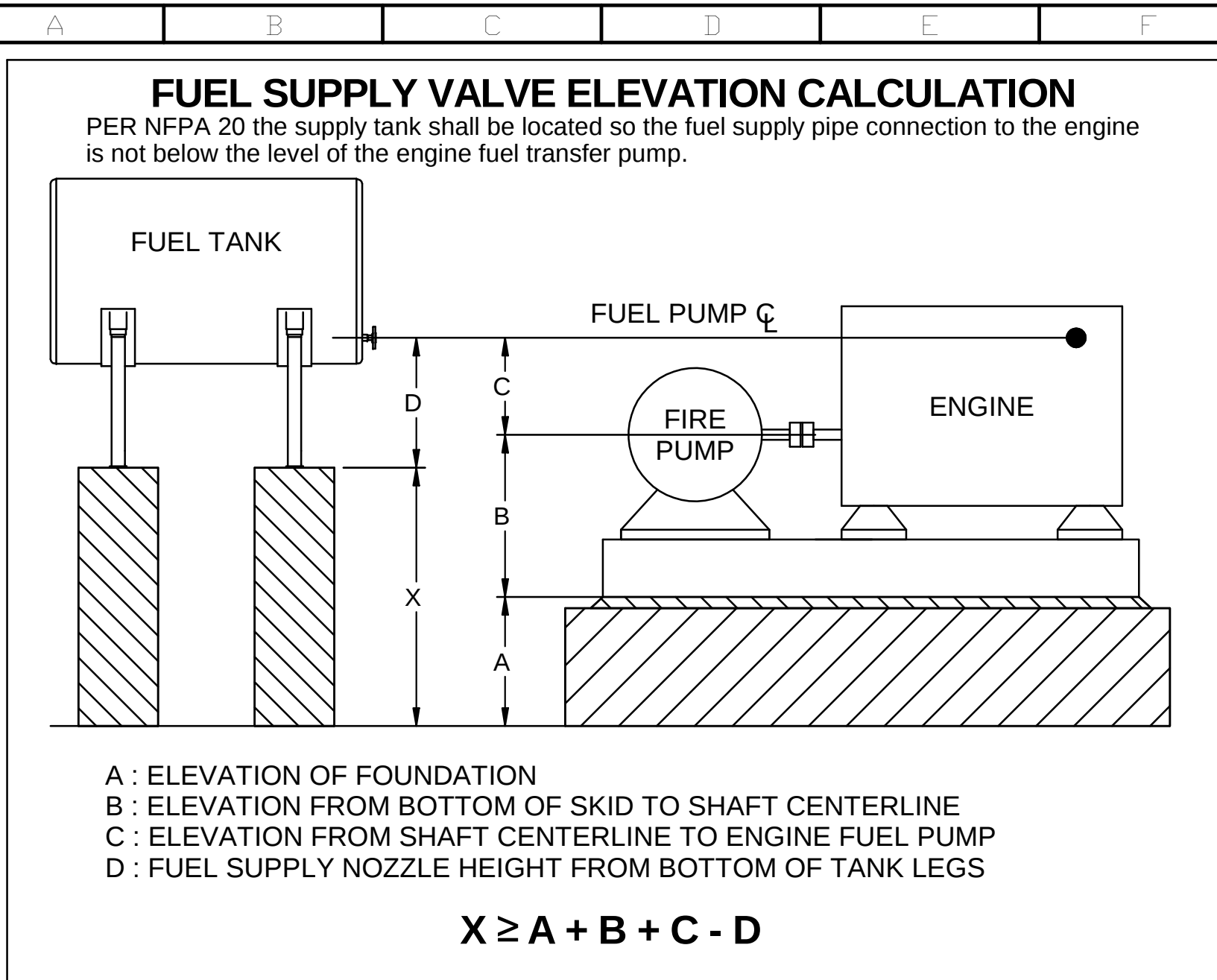
Application complete:

Yes: ☒ No: ☐

EQ- 903

Date of complete or incomplete letter sent: 10/8/2018

Date of entry to the DEP Equipment Registration List: 10/8/2018



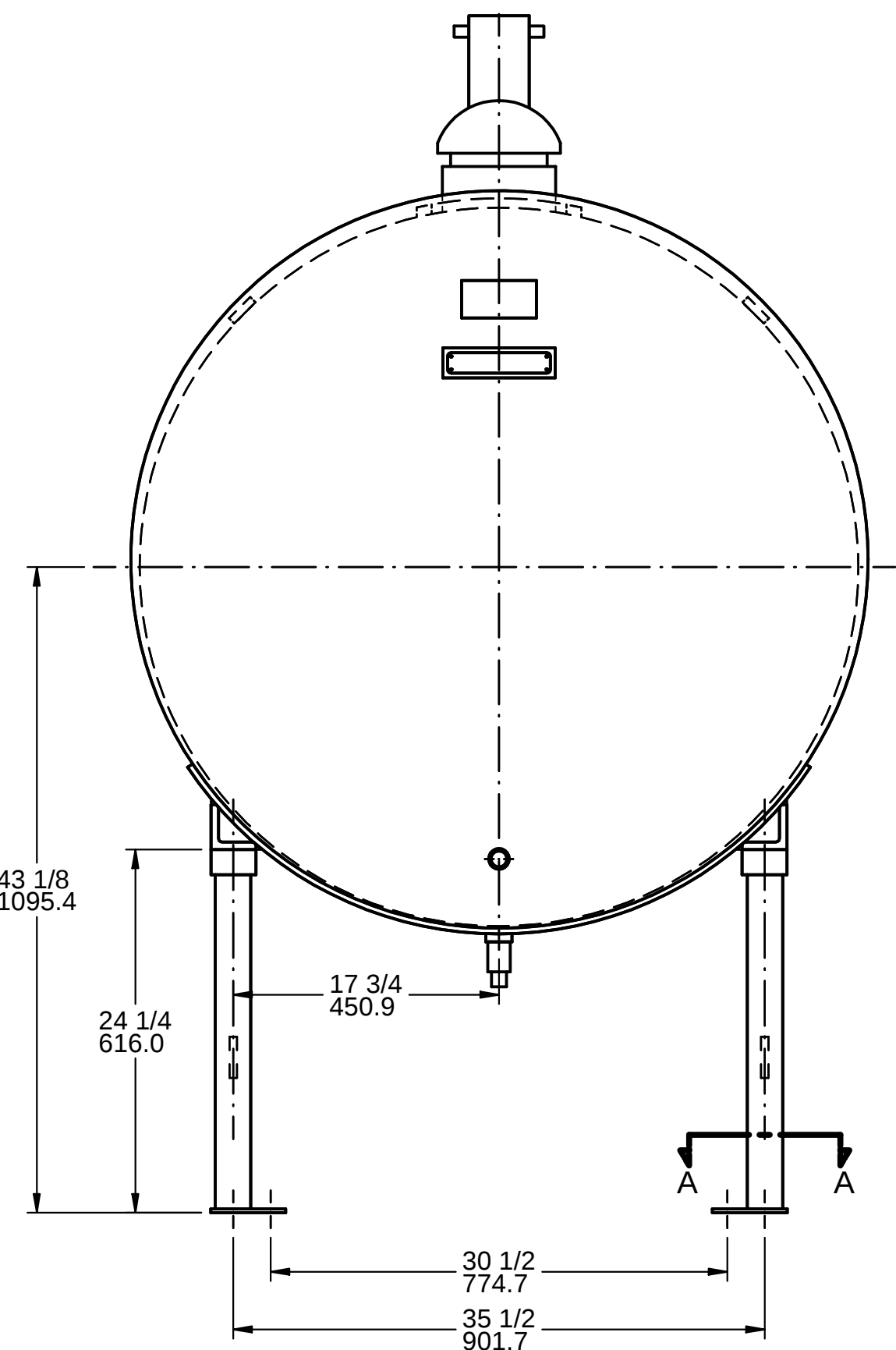
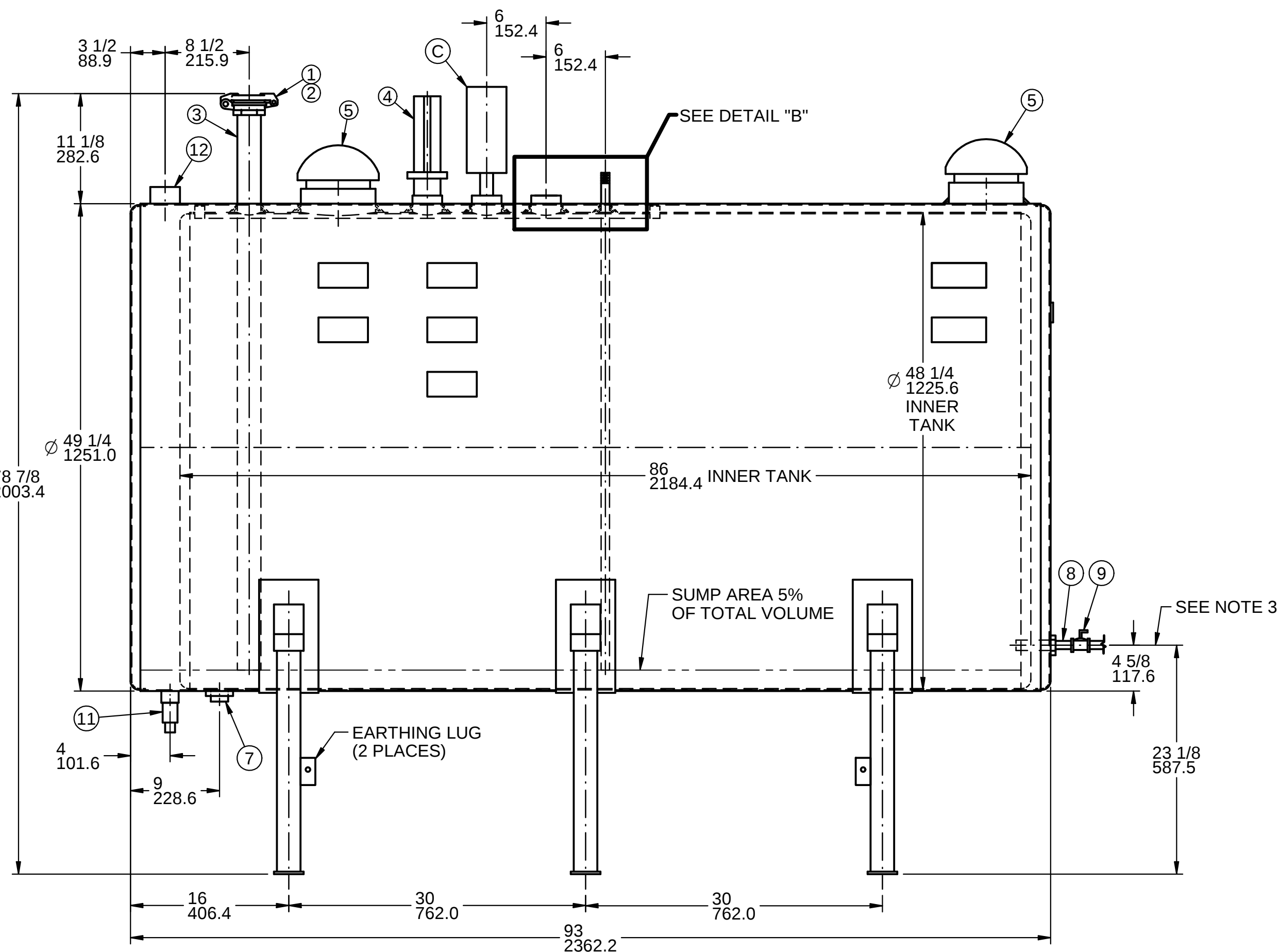
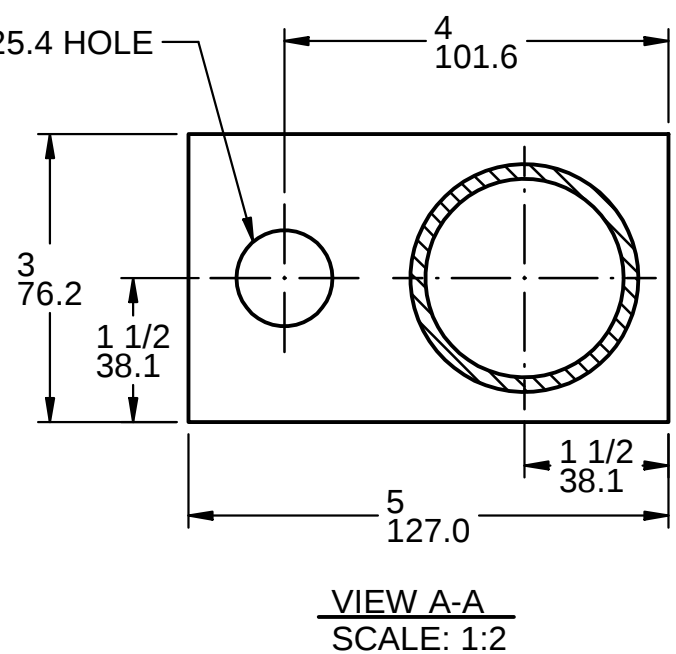
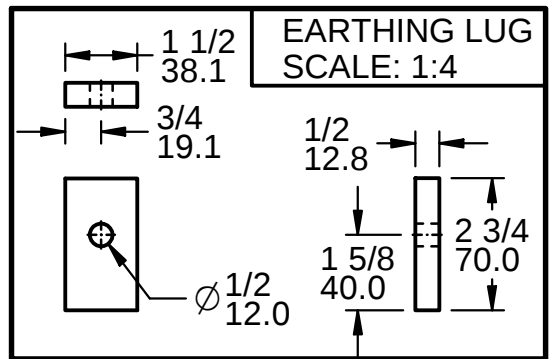
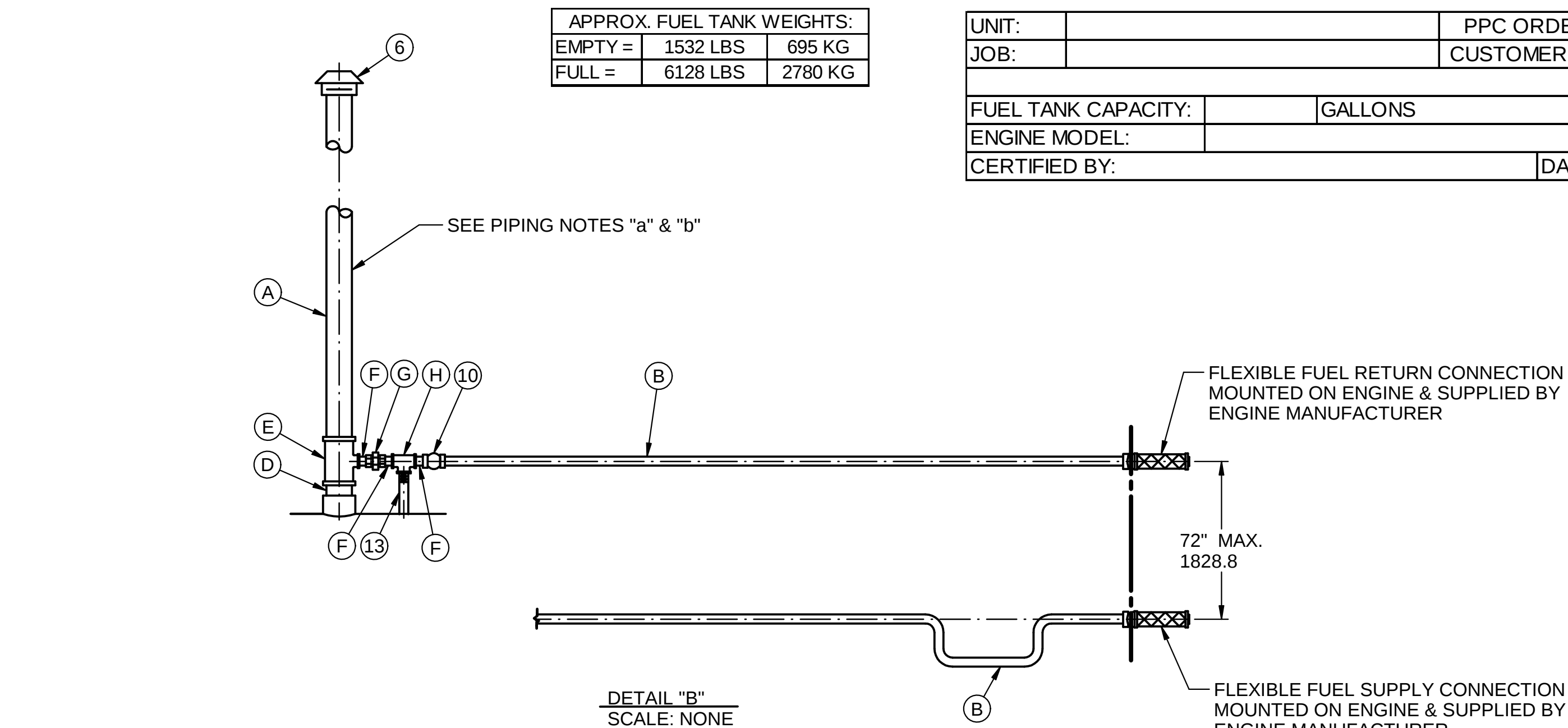
- GENERAL NOTES:
- 1) LEGS ARE SUPPLIED AS STANDARD.
 - 2) PITCH TANK TOWARD DRAIN 1/4" / 6.4mm PER FOOT
 - 3) ADJUST FOUNDATION SO THAT THE FUEL INLET CENTERLINE IS NO LOWER THAN THE ENGINE FUEL PUMP CENTERLINE.
 - 4) DRAWING IN CONFORMANCE WITH NFPA 20 FIG A. 11.4.4
 - 5) MATERIAL OF CONSTRUCTION: A36
 - 6) TANKS ARE CONSTRUCTED & LABELED IN ACCORDANCE WITH UL-142.
 - 7) PRIMARY DIMENSIONS ARE INCHES, SECONDARY DIMENSIONS ARE MILLIMETERS.

- PIPING NOTES:
- a) ALL VENT & FUEL PIPING AS REQUIRED TO SUIT INSTALLATION BY OTHERS.
 - b) VENT PIPING SHALL TERMINATE AT LEAST 5 FT (1.5m) FROM BUILDING OPENINGS AND AT LEAST 12 FT (3.7m) ABOVE THE FINISHED GROUND LEVEL.
 - c) SIZE OF TUBING AND FITTINGS IS DETERMINED BY DIESEL ENGINE.
 - d) SCHEDULE 40 PIPE REQUIRED.
 - e) GALVANIZED & COPPER PIPE NOT ALLOWED.

* CAPACITIES DO NOT INCLUDE THE REQUIRED 5% FOR SUMP AND 5% FOR EXPANSION NEEDED FOR NFPA 20. THIS CAPACITY IS THE ACTUAL CAPACITY OF THE TANK.

ALL ITEMS LISTED BELOW ARE NOT SUPPLIED BY PPC WITH THE FUEL TANK		
H	1	1/2"X1/2"X1/2" FEMALE PIPE TEE
G	1	1/2" NPT UNION
F	3	1/2" STD. PIPE X 1-1/2"LG
E	1	2"X2"X1/2" FEMALE REDUCING PIPE TEE
D	1	2" STD. PIPE X 3-1/4"LG
C	1	LOW FUEL LEVEL SWITCH TO CONTROLLER (CONTROLLER OPTION)
B		STD. PIPE, LENGTH TO SUIT INSTALLATION
A		2" STD. PIPE, LENGTH TO SUIT INSTALLATION
ITEM	QTY.	DESCRIPTION

ALL ITEMS LISTED BELOW ARE SUPPLIED WITH THE FUEL TANK AS STANDARD		
13	1	1/2" STD PIPE
12	1	2" NPT CONNECTION FOR OUTER TANK SCREENED WEATHER VENT
11	1	LEAK SENSOR - SHIPS LOOSE
10	1	CHECK VALVE - SHIPS LOOSE
9	1	LOCK-OPEN VALVE - SHIPS LOOSE
8	1	LONG NIPPLE
7	1	1" NPT PIPE PLUG
6	2	SCREENED WEATHER VENT (2" NPT) - SHIPS LOOSE
5	2	EMERGENCY VENT VALVE - SHIPS LOOSE
4	1	FUEL LEVEL INDICATOR GAUGE - SHIPS LOOSE
3	1	2" FILLER NECK
2	1	REMOVABLE STRAINER (1/16"/1.52mm MESH) - SHIPS LOOSE
1	1	FILL CAP WITH PROVISION FOR PADLOCK - SHIPS LOOSE
ITEM	QTY.	DESCRIPTION



 PATTERSON PUMP COMPANY A GORMAN-RUPP COMPANY	650 GALLON FUEL TANK (DOUBLE WALL) FOR DIESEL DRIVEN FIRE PUMPS		DWG. NO.		REV.
			D02-115284		2
			DRAWN		DATE
			mcaudell		DEC. 17, 2009
	SCALE	APPRVD.	SHEET		OF
	NONE	AP	1		1

UL PRODUCT CATEGORY

Aboveground Flammable-liquid Tanks

[See General Information for Aboveground Flammable-liquid Tanks](#)

PATTERSON PUMP CO, SUB OF THE GORMAN-RUPP CO

MH15336

2129 AYERSVILLE RD

PO BOX 790

TOCCOA, GA 30577-1445 USA

Aboveground tanks for flammable liquids

Aboveground tanks for flammable liquids on supports

Secondary containment aboveground tanks for flammable liquids

Secondary containment aboveground tanks for flammable liquids on supports

Last Updated on 2018-01-28

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