



APPLICATION FOR PREAPPROVAL

SPECIAL SEISMIC CERTIFICATION OF EQUIPMENT AND COMPONENTS

For Office Use Only

APPLICATION NO.
OSP – 0187-10

Check whether application is: NEW RENEWAL

1.0	Phoenix Power Products, A Division Of Ring Power Corporation <i>Manufacturer</i> Phoenix Products	Ron Boahn <i>Manufacturer's Technical Representative</i> 1727 Bennett Street, Jax., FL 32206
<i>Mailing Address</i>		
	(904) 366-2252 <i>Telephone</i>	RBoahn@phoenixprods.com <i>E-mail Address</i>

2.0	Phoenix 142 UL Fuel Day Tanks & Pump Racks <i>Product Name</i>	50 Gallon to 1000 Gallon Stand Alone UL142 Fuel Tanks & Pump Rack <i>Product Type</i>
DD50 to DD1000 Day Tanks with accessories and SPR, DPR and TPR Pump Racks (See Attachment)		
<i>Product model No (List all unique product identification numbers and/or serial numbers)</i>		
General Description: Rigid base mounted UL-142 standalone Fuel Day Tanks (50 to 1000 Gallon) with integral and Stand Alone pumping systems manufactured by the Phoenix Power Products, A Division Of Ring Power Corporation.		

3.0	Panache Engineering Inc <i>Applicant Company Name</i>	Ahmed Haider, Ph.D., P.E. <i>Contact Person</i>
	150 N Santa Anita Ave, Suite 300, <i>Mailing Address</i>	Arcadia, CA 91006
	(626)698-0784 <i>Telephone</i>	Ahmed.haider@panacheg.com <i>E-mail Address</i>

I hereby agree to reimburse the Office of Statewide Health Planning and Development for the actual costs incurred by the department for review.

	12/14/11
<i>Signature of Applicant</i>	<i>Date</i>
Engineering Manager	Panache Engineering Inc



Title

Company Name

Registered Design Professional Preparing the Report

4.0

PANACHE ENGINEERING INC

Company Name

AHMED HAIDER, Ph.D, P.E.

C68541

Contact Name

California License Number

150 N. SANTA ANITA AVE,

ARCADIA, CA 91006

Mailing Address

626-203-6401

AHMED.HAIDER@PANACHEG.COM

Telephone

E-mail Address

California Licensed Structural Engineer Review and Acceptance of the Report

5.0

PANACHE ENGINEERING INC

Company Name

EUI S. KIM

S5138

Contact Name

California License Number

150 N. SANTA ANITA AVE, SUITE 300,

ARCADIA, CA 91006

Mailing Address

(626)698-0784

PANACHEG@GMAIL.COM

Telephone

E-mail Address

Anchorage Pre-Approval

6.0

- Anchorage is pre-approved under OPA- (Separate application for anchorage pre-approval is required)
Anchorage is not Pre-approved

Certification Method

- Testing in accordance with: ICC-ES AC-156 Other (Please Specify):

- Analysis
Experience data
Combination of Testing, Analysis, and/or Experience Data (Please Specify):

Testing Laboratory (if applicable)



8.0 STORK Garwood Laboratories Jerry Cederstrom
Company Name *Contact Name*
 7829 Industry Ave., Pico Rivera, CA 90660
Mailing Address
 562-699-4159 **Jerry.Cedertrom@us.stork.com**
Telephone *E-mail:*

Testing Laboratory (if applicable)

University of California, Berkeley Wes Neighbor
Company Name *Contact Name*
 1301 South 46th St, Bldg. 484, Richmond, CA 94804
Mailing Address
 (510) 665-3414 wneighbor@berkeley.edu
Telephone *E-mail:*



Approval Parameters

9.0

Design in accordance with ASCE 7-05 Chapter 13: Yes No

Design Basis of Equipment or Components (F_p/W_p) = 0.60

S_{DS} (Spectral response acceleration at short period) = 2.5g

a_p (In-structure equipment or component amplification factor) = 1.0

R_p (Equipment or component response modification factor) = 2.5

I_p (Importance factor) = 1.5

z/h (Height factor ratio) = 0

Equipment or Component fundamental period(s) = SEE Attachment

Building period limits (if any) = N/A

Overall dimensions and weight (or range thereof) = SEE Attachment

Equipment or Components @ grade designed in accordance with ASCE 7-05 Chapter 15: Yes No

Design Basis of Equipment or Components (V/W) =

S_{DS} (Spectral response acceleration at short period) =

S_1 (Spectral response acceleration at 1 second period) =

R (Response modification coefficient) = 1.0

Ω_0 (System overstrength factor) = 1.0

C_d (Deflection amplification factor) = 1.0

I_p (Importance factor) = 1.5

Height to Center of Gravity above base =

Equipment or Component fundamental period(s) = Sec

Overall dimensions and weight (or range thereof) =

Tank(s) designed in accordance with ASME BPVC, 2007: Yes No

10.0 List of attachments supporting the special seismic certification of equipment or components:

- Test Report Drawings Manufacturer's Catalog
 Calculations Others (Please Specify):

11.0 OSHPD Approval (For Office Use Only)

M. R. Karim

12/15/11

December 31, 2016

Signature & Date

Approval Expiration Date

M. R. Karim, SHFR

S_{DS} (g) = **2.5** z/h = **0.0**

Name & Title

Special Seismic Certification Valid Up to

Condition of Approval (if any):

Table 1

Special Seismic Certification Approved Units



Product Type: UL 142 Double Wall Fuel Day Tanks Manufacturer: Phoenix Power Products, A Division Of Ring Power Corporation

Product Function Provide fuel to Emergency Power Systems

Certified Product Construction:	Certified Options:	Certified Mounting Descriptions:
Welded ASTM A36 steel plates and structural steel C & L sections	* With top mounted pump rack Without pump rack	All Tanks are bolted down to supporting structure

Product Line	Model Number	Size (Gal)	Empty Weight (lb.)	Operating Weight (lb.)	Dimensions (Inches)			Relative Size	Unit
					Length	Width	Height		
FUEL DAY TANKS	DD50	50	377	741.5	31	29	25	Smallest	UUT1
	50<DD**<250	75<**<250	486<*<1012	741.5<*<2834.5	31<*<67	29	25<*<45	Intermediate	Interpolated
	DD250	250	1012	2834.5	67	29	45		UUT2
	DD250<DD**<DD1000	250<*<1000	1012<*<3500	2834.5<*<10955	67<*<120 3/8	29<*<48	45<*<62	Interpolated	
	DD1000	1024	3500	10955	120 3/8	48	62	Largest	UUT4

Approved Components

Pump Rack (See Table 2)

Critical High Fuel Level Probe

Part Identification	Manufacturer Part Number	Manufacturer	Relative Size	Tested in Unit
DDCHP	M7000	MADISON	ONE SIZE	UUT1/UUT2/UUT4

High Fuel Level Probe

Part Identification	Manufacturer Part Number	Manufacturer	Relative Size	Tested in Unit
DDHP	M7000	MADISON	ONE SIZE	UUT1/UUT2/UUT4

Critical Low Fuel Probe

Part Identification	Manufacturer Part Number	Manufacturer	Relative Size	Tested in Unit
DDCLP	M7000	MADISON	ONE SIZE	UUT1/UUT2/UUT4

Low Fuel Probe

Part Identification	Manufacturer Part Number	Manufacturer	Relative Size	Tested in Unit
DDLFP	M7000	MADISON	ONE SIZE	UUT1/UUT2/UUT4

Leak Sensor Probe

Part Identification	Manufacturer Part Number	Manufacturer	Relative Size	Tested in Unit
DDLSP	M7000	MADISON	ONE SIZE	UUT1/UUT2/UUT4

Supply Pump #1 On Probe

Part Identification	Manufacturer Part Number	Manufacturer	Relative Size	Tested in Unit
DDSP1OP	M7000	MADISON	ONE SIZE	UUT1/UUT2/UUT4

Supply Pump #2 On Probe

Part Identification	Manufacturer Part Number	Manufacturer	Relative Size	Tested in Unit
DDSP2OP	M7000	MADISON	ONE SIZE	UUT1/UUT2/UUT4

Return Pump On Probe

Part Identification	Manufacturer Part Number	Manufacturer	Relative Size	Tested in Unit
DDRPOP	M7000	MADISON	ONE SIZE	UUT1/UUT2/UUT4

Pump Off Probe

Part Identification	Manufacturer Part Number	Manufacturer	Relative Size	Tested in Unit
DDPOFP	M7000	MADISON	ONE SIZE	UUT1/UUT2/UUT4

Siphon Drain Assembly

Part Identification	Manufacturer Part Number	Manufacturer	Relative Size	Tested in Unit
DDSDA	MULTI-PART/MULTI-MATERIAL	PHOENIX PRODUCTS	ONE SIZE	UUT1/UUT2/UUT4

SOLENOID Valve

Part Identification	Manufacturer Part Number	Manufacturer	Relative Size	Tested in Unit
DDSV	SERIES 8017	ASCO	1/2" - 1"	UUT1/UUT2/UUT4

Manual Hand Pump

Part Identification	Manufacturer Part Number	Manufacturer	Relative Size	Tested in Unit
DDMHP	FR150	FILL-RITE	ONE SIZE	UUT1/UUT2/UUT4

Check Valve

Part Identification	Manufacturer Part Number	Manufacturer	Relative Size	Tested in Unit
DDCV	70-200 SERIES	APOLLO VALVES	1/2"-1"	UUT1/UUT2/UUT4

WVE Stainer

Part Identification	Manufacturer Part Number	Manufacturer	Relative Size	Tested in Unit
DDWS	YS12-CI	TITAN FLOW CONTROL, INC	1/2"-1"	UUT1/UUT2/UUT4

Ball Valve

Part Identification	Manufacturer Part Number	Manufacturer	Relative Size	Tested in Unit
DDBV	Fig. 691	Morrison Bros.	1/2"-1"	UUT1/UUT2/UUT4

Updraft Vent

Part Identification	Manufacturer Part Number	Manufacturer	Relative Size	Tested in Unit
DDUV	Mo. 354	Morrison Bros.	2"-3"	UUT1/UUT2/UUT4

Pressure Relief Vent

Part Identification	Manufacturer Part Number	Manufacturer	Relative Size	Tested in Unit
DDPRV	Series 244	Morrison Bros.	2"-3"	UUT1/UUT2/UUT4

Table 2

Special Seismic Certification Approved Units



Product Type: Day Tank Pump Rack		Manufacturer: Phoenix Power Products
Certified Product Construction: A36 Welded Tube and angle sections 1.5"x1.5" and A653 Carbon Steel 14 Gauge sheet metal	Certified Options: * On top of Day Tank Stand Alone *	Certified Mounting Descriptions: All Tanks are bolted down to supporting structure

Product Line	Model Number	Empty Weight (lb.)	Operating Weight (lb.)	Dimensions (Inches)			Unit
				Length	Width	Height	
Single Pump Rack	SPR	43	91	23-1/4	13-9/16	-	UUT3
Double Pump Rack	DPR	66	162	23-1/4	13-9/16	-	UUT3
Triple Pump Rack	TPR	90	234	23-1/4	13-9/16	38-3/16	UUT3

Approved Components

Pumps

Part Identification	Manufacturer	HORSEPOWER/VOLTAGE	Relative Size	Tested in Unit
2 GPM Pump	BALDOR MOTOR & PARKER PUMP	1/3HP - 120/240V	Smallest	UUT3
4 GPM Pump	BALDOR MOTOR & PARKER PUMP	1/2HP - 120/240V	Intermediate	UUT3
7 GPM Pump	BALDOR MOTOR & PARKER PUMP	1/2HP - 120/240V	Intermediate	UUT3
8 GPM Pump	BALDOR MOTOR & PARKER PUMP	1HP -120/240V	Intermediate	UUT3
10 GPM Pump	BALDOR MOTOR & PARKER PUMP	1HP -120/240V	Intermediate	UUT3
16 GPM Pump	BALDOR MOTOR & PARKER PUMP	1HP -120/240V	Largest	UUT3

Pumps Control Box

Part Identification	Manufacturer	Material	Relative Size	Tested in Unit
DDCB-XX	PHOENIX PRODUCTS	Fiberglass	One Size	UUT3

Pumps Motor Starter Box

Part Identification	Manufacturer	Material	Relative Size	Tested in Unit
DDMSP-XX	PHOENIX PRODUCTS	Fiberglass	One Size	UUT3

Panache Engineering Inc., 150 N. Santa Anita Ave Ste 300, Arcadia, CA 91006, Phone: 626-698-0784, Fax: 267-948-5441, www.panacheg.com

Table 3

UUT1 Unit Under Test Summary Sheet



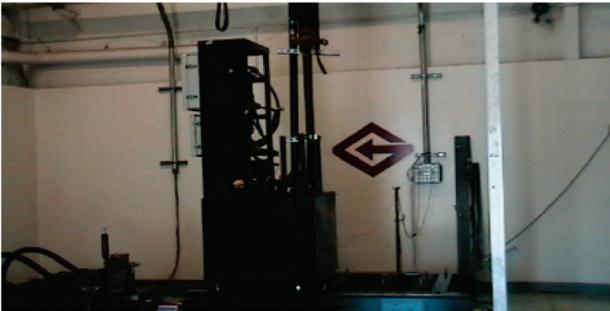
Product Type: Fuel Day Tanks		Manufacturer: Phoenix Power Products	
Certified Product Construction:		Tested Configurations:	
Welded ASTM A36 steel plates and structural steel C & L sections		With and without pump rack Tank Empty & Tank Full	
		Tested Mounting Descriptions:	
		Tank is bolted down to test Fixture	

UUT Properties

Model Number	Lowest Natural Frequency (Hz)				Dimensions (Inches)			Operating Weight(lb.)
	45 Degree	Front-Back	Side to Side	Vertical	Length	Width	Height	
DD50	33	7.2	33	23	31	29	25	741.5

Seismic Test Parameters

Building Code	Test Criteria	Sds	z/h	Ip	Aflx-H	Arig-H	Aflx-V	Arig-V
CBC 2010	ICC-ES-AC156	2.5	0	1.5	2.5	1	1.68	0.68



UUT1: 50 Gallon Day Tank With Pump Rack



UUT1: 50 Gallon Day Tank Without Pump Rack



UUT1 Mounted to the Test Fixture by means of (4) ASTM A325 Bolts
3/4" Diameter

Table 4

UUT2 Unit Under Test Summary Sheet



Product Type: Fuel Day Tanks Manufacturer: Phoenix Power Products

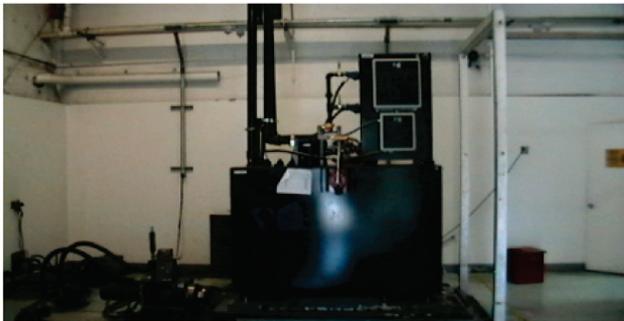
Certified Product Construction:	Tested Configurations:	Tested Mounting Descriptions:
Welded ASTM A36 steel plates and structural steel C & L sections	With and without pump rack Tank Empty & Tank Full	Tank is bolted down to test Fixture

UUT Properties

Model Number	Lowest Natural Frequency (Hz)				Dimensions (Inches)			Operating Weight(lb.)
	45 Degree	Front-Back	Side to Side	Vertical	Length	Width	Height	
DD250	12.7,15.17	12.74	NA	33.2	67	29	45	2835

Seismic Test Parameters

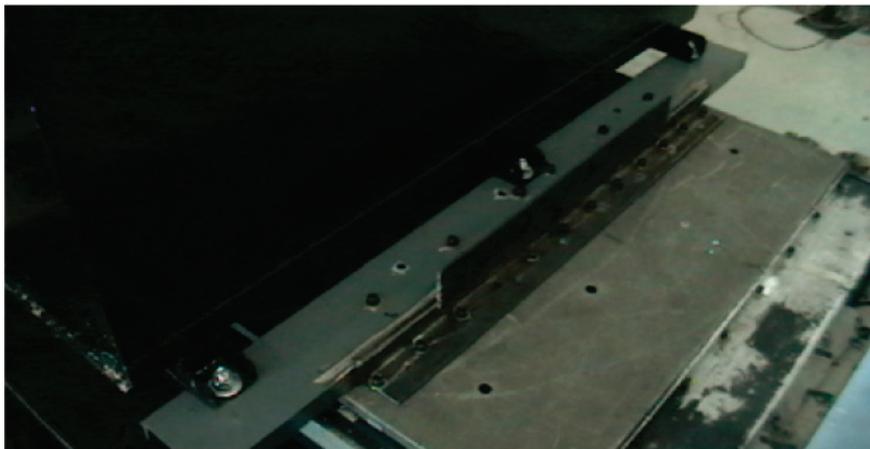
Building Code	Test Criteria	Sds	z/h	Ip	Aflx-H	Arig-H	Aflx-V	Arig-V
CBC 2010	ICC-ES-AC156	2.5	0	1.5	2.5	1	1.6	0.68



UUT2: 250 Gallon Day Tank With Pump Rack



UUT2: 250 Gallon Day Tank Without Pump Rack



UUT2 Mounted to the Test Fixture by means of (6) ASTM A325 Bolts 3/4" Diameter

Panache Engineering Inc., 150 N. Santa Anita Ave Ste 300, Arcadia, CA 91006, Phone: 626-698-0784, Fax: 267-948-5441, www.panacheg.com

Table 5

UUT3 Unit Under Test Summary Sheet



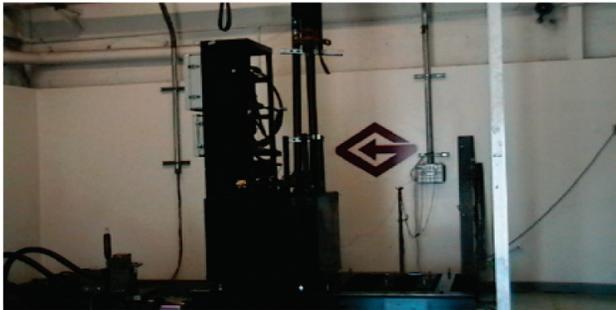
Product Type: Day Tank Pump Rack		Manufacturer: Phoenix Power Products	
Certified Product Construction:	Certified Options:	Certified Mounting Descriptions:	
Welded Tube and angle Sections 1.5"x1.5" and 14 Gauge sheet metal	* On top of Day Tank Stand Alone	* Pump Rack are bolted down to top of day tank or to supporting structure	

UUT Properties

Model Number	Lowest Natural Frequency (Hz)				Dimensions (Inches)			Operating Weight(lb.)
	45 Degree	Front-Back	Side to Side	Vertical	Length	Width	Height	
Triple Pump Rack	14,17,21	12.8,20.1,27.8	14.84,25.11,29.8,31.8	32.06	23-1/4	13-9/16	38-3/16	234

Seismic Test Parameters

Building Code	Test Criteria	Sds	z/h	Ip	Aflx-H	Arig-H	Aflx-V	Arig-V
CBC 2010	ICC-ES-AC156	2.5	0	1.5	2.5	1	1.6	0.68



UUT3: Pump Rack on Top of Tank Configuration



UUT3: Pump Rack in Stand Alone Configuration



UUT3 Mounted to the Tank/Test Fixture by means of (4) ASTM A325 Bolts 3/4" Diameter

Panache Engineering Inc., 150 N. Santa Anita Ave Ste 300, Arcadia, CA 91006, Phone: 626-698-0784, Fax: 267-948-5441, www.panacheg.com

Table 5

UUT4 Unit Under Test Summary Sheet



Product Type: Fuel Day Tanks		Manufacturer: Phoenix Power Products	
Certified Product Construction:	Certified Options:	Certified Mounting Descriptions:	
Welded ASTM A36 steel plates and structural steel C & L sections	Tank Empty & Tank Full	Tank is bolted down to test Fixture	

UUT Properties

Model Number	Lowest Natural Frequency (Hz)			Dimensions (Inches)			Operating Weight(lb.)
	Front-Back	Side to Side	Vertical	Length	Width	Height	
DD-1000	9.87,17.6	13.97,11.09	13.97,11.09	120 3/8	48	62	10955

Seismic Test Parameters

Building Code	Test Criteria	Sds	z/h	Ip	Aflx-H	Arig-H	Aflx-V	Arig-V
CBC 2010	ICC-ES-AC156	2.5	0	1.5	2.5	1	1.6	0.68

Unit Mounting Description:



UUT4: Pump Rack on Top of Tank Configuration

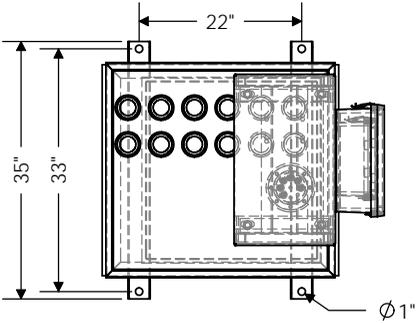


UUT4 Mounted to the Tank/Test Fixture by means of by (8) ASTM A325 Bolts 3/4" Diameter

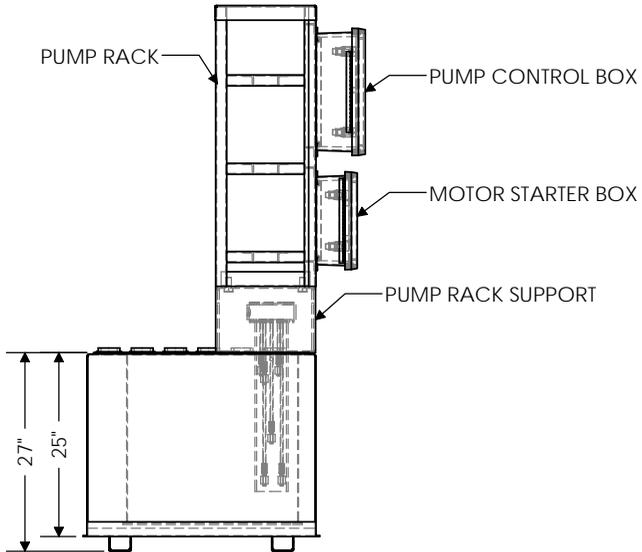
Panache Engineering Inc., 150 N. Santa Anita Ave Ste 300, Arcadia, CA 91006, Phone: 626-698-0784, Fax: 267-948-5441, www.panacheg.com

REVISIONS			
REV.	DESCRIPTION	APPROV. BY	DATE
	INITIAL RELEASE		6/21/11

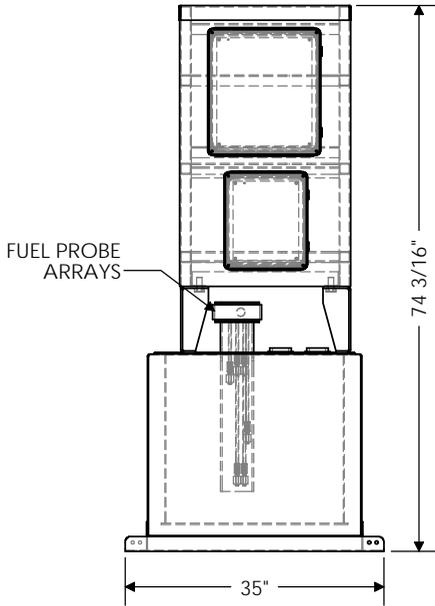
- NOTES:
1. LOCATION, SIZE, AND QTY. OF ELD FLANGE WILL BE VARY PER CUSTOMER SPEC.
 2. TANK MATERIAL: ASTM A36
TANK TOP: 3/16" PLATE
10 GA. FOR ALL OTHER COMPONENTS



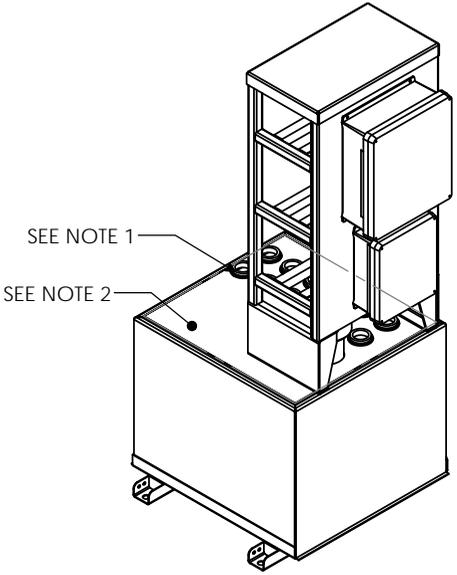
PLAN



ELEVATION SIDE VIEW



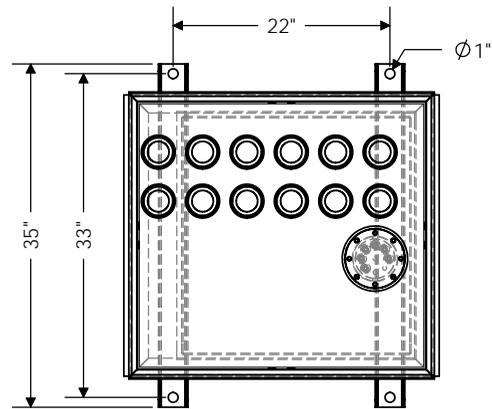
ELEVATION END VIEW



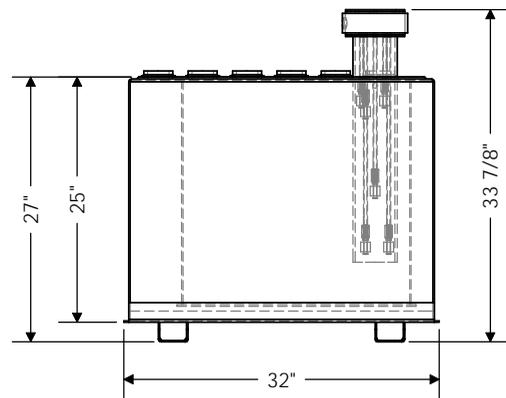
ISOMETRIC

TANK WITH PUMP RACK

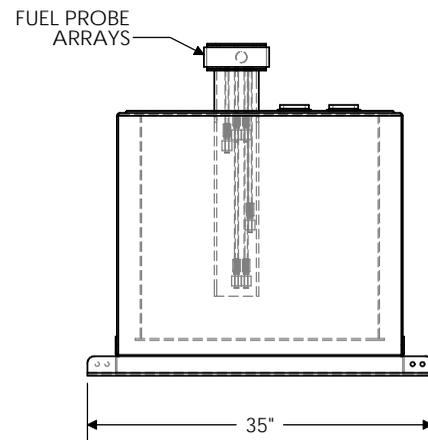
CONTROLLED DOCUMENT				
<p>THE INFORMATION HEREON IS THE PROPERTY OF PHOENIX PRODUCTS. ANY COPYING, TRANSMITTAL TO OTHERS AND USE EXCEPT THAT FOR WHICH IT IS LOANED IS PROHIBITED.</p>		<p>Phoenix Products A Division of Ring Power Corporation 736 Wakefield Court Oakdale, Ca 95361</p>		
		<p>50 GALLON UL 142 DOUBLE WALL FUEL TANK</p>		
APPROVED BY:	SHEET 1 OF 2	DRAWN BY: JL	DATE 6/21/11	DWG. NO.
	SCALE: 1:20	CHECKED BY:	JOB STD	DD50
				REV



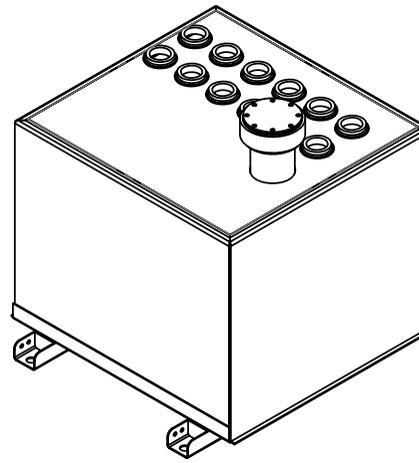
PLAN



ELEVATION SIDE VIEW



ELEVATION END VIEW



ISOMETRIC

REVISIONS			
REV.	DESCRIPTION	APPROV. BY	DATE
	INITIAL RELEASE		6/21/11

CONTROLLED DOCUMENT

THE INFORMATION HEREON IS THE PROPERTY OF PHOENIX PRODUCTS. ANY COPYING, TRANSMITTAL TO OTHERS AND USE EXCEPT THAT FOR WHICH IT IS LOANED IS PROHIBITED.



Phoenix Products
A Division of Ring Power Corporation

736 Wakefield Court Oakdale, Ca 95361

50 GALLON UL 142
 DOUBLE WALL FUEL TANK

APPROVED BY:

SHEET 2 OF 2

DRAWN BY: JL

DATE 6/21/11

DWG. NO.

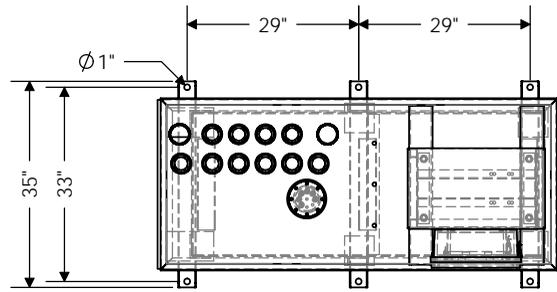
REV

SCALE: 1:15

CHECKED BY:

JOB STD

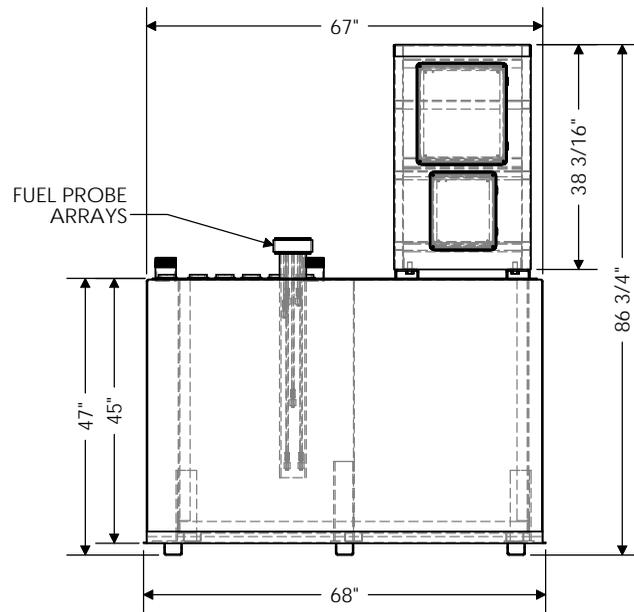
DD50



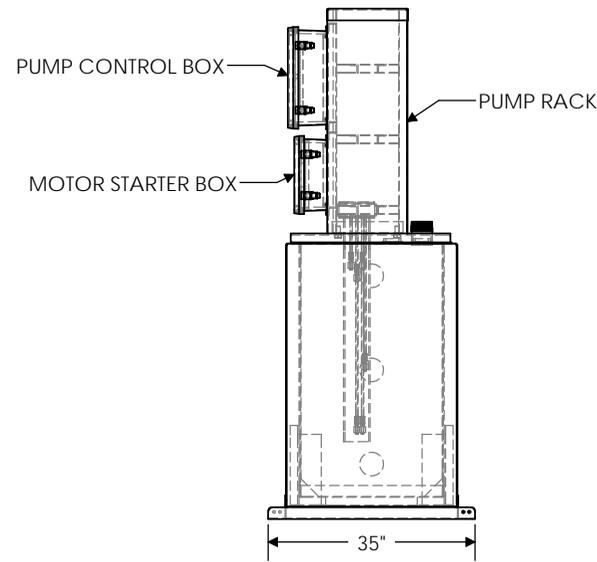
PLAN

- NOTES:**
1. LOCATION, SIZE AND QTY. OF WELD FLANGES WILL BE VARY PER CUSTOMER SPEC.
 2. TANK MATERIAL: ASTM A36
TANK TOP: 3/16" PLATE
10 GA. FOR ALL OTHER COMPONENTS

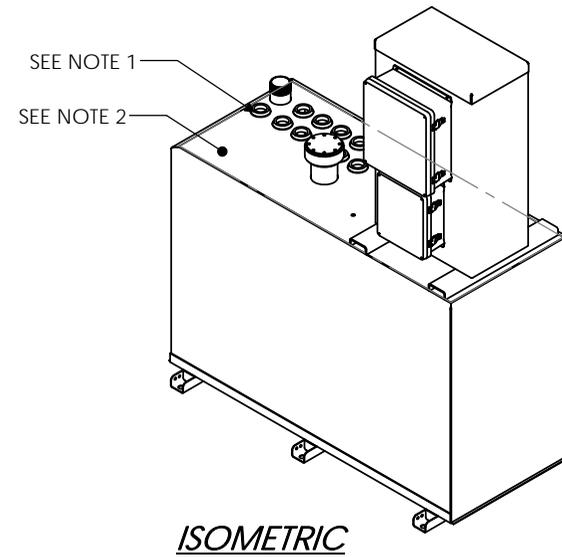
REVISIONS			
REV.	DESCRIPTION	APPROV. BY	DATE
	INITIAL RELEASE		04.28.11



ELEVATION SIDE VIEW



ELEVATION END VIEW

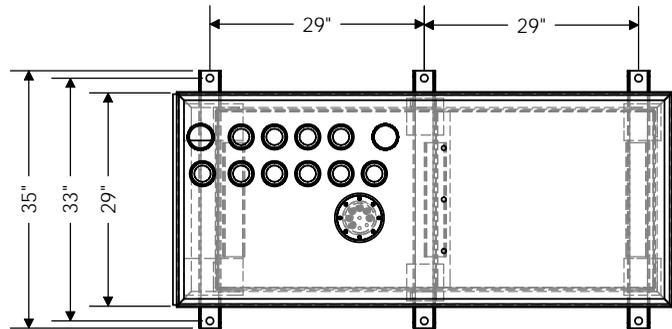


ISOMETRIC

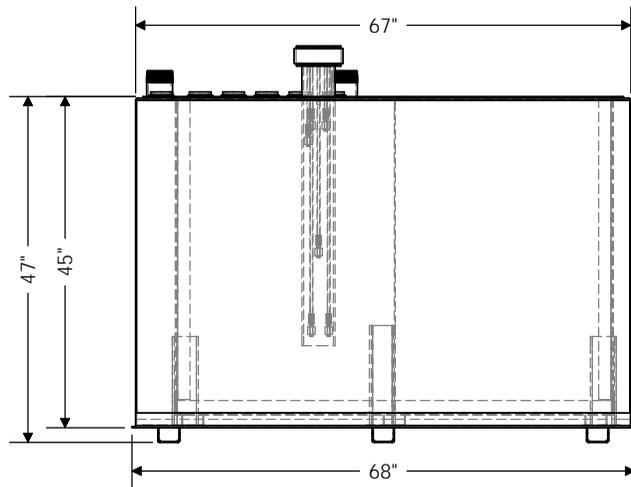
TANK WITH PUMP RACK

CONTROLLED DOCUMENT				
<p>THE INFORMATION HEREON IS THE PROPERTY OF PHOENIX PRODUCTS. ANY COPYING, TRANSMITTAL TO OTHERS AND USE EXCEPT THAT FOR WHICH IT IS LOANED IS PROHIBITED.</p>	 <p>phoenix products[®] <small>A Division of Ring Power Corporation</small></p>	<p>Phoenix Products A Division of Ring Power Corporation 736 Wakefield Court Oakdale, Ca 95361</p>		
		<p>250 GALLON UL 142 DOUBLE WALL FUEL TANK</p>		
<p>APPROVED BY:</p>	<p>SHEET 1 OF 2</p>	<p>DRAWN BY: JL</p>	<p>DATE 04.28.11</p>	<p>DWG. NO.</p>
	<p>SCALE: 1:25</p>	<p>CHECKED BY:</p>	<p>JOB STD</p>	<p>DD250</p>
				<p>REV</p>

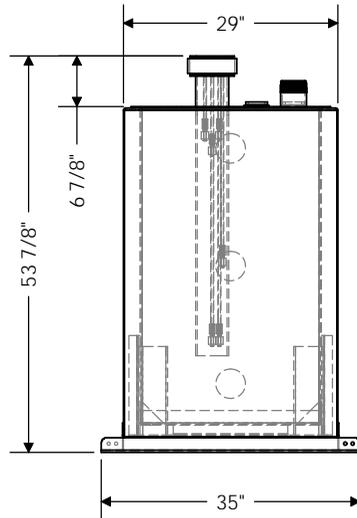
REVISIONS			
REV.	DESCRIPTION	APPROV. BY	DATE
	INITIAL RELEASE		04.28.11



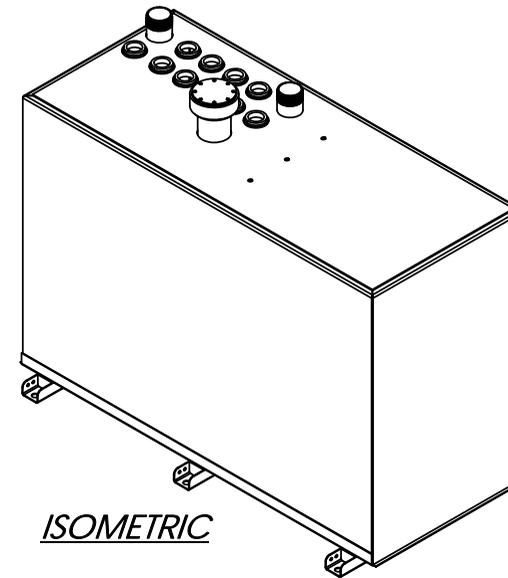
PLAN



ELEVATION SIDE VIEW



ELEVATION END VIEW



ISOMETRIC

CONTROLLED DOCUMENT

THE INFORMATION HEREON IS THE PROPERTY OF PHOENIX PRODUCTS. ANY COPYING, TRANSMITTAL TO OTHERS AND USE EXCEPT THAT FOR WHICH IT IS LOANED IS PROHIBITED.



Phoenix Products
A Division of Ring Power Corporation

736 Wakefield Court Oakdale, Ca 95361

250 GALLON UL 142
DOUBLE WALL FUEL TANK

APPROVED BY:

SHEET 2 OF 2

DRAWN BY: JL

DATE 04.28.11

DWG. NO.

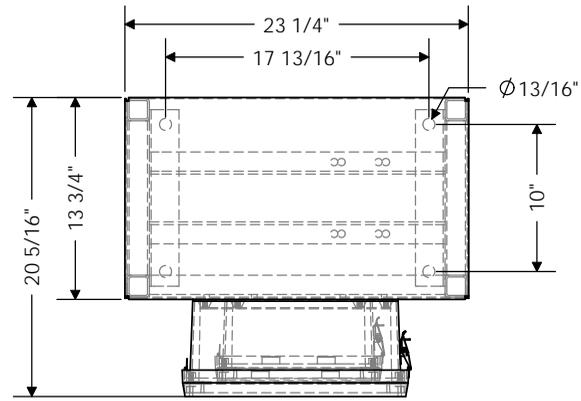
REV

SCALE: 1:20

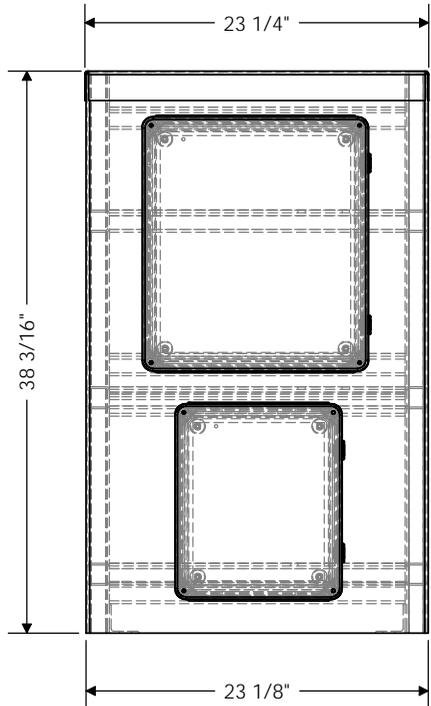
CHECKED BY:

JOB STD

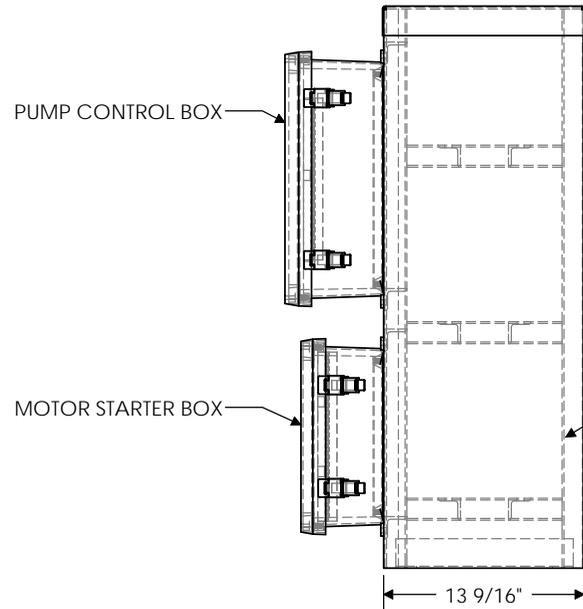
DD250



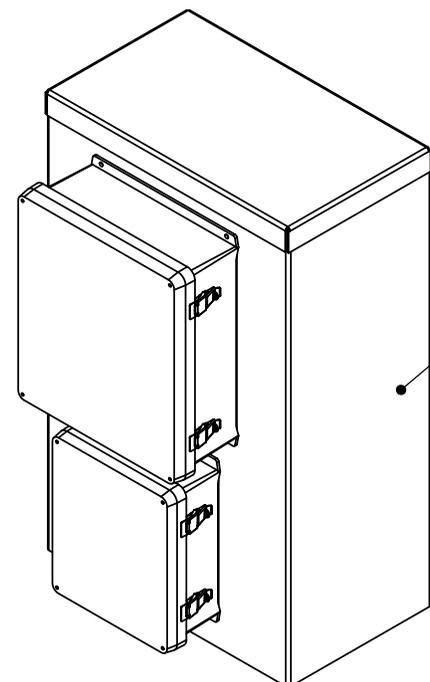
PLAN



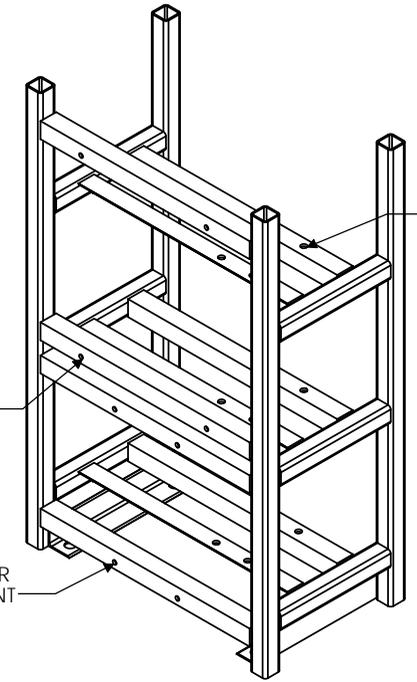
ELEVATION SIDE VIEW



ELEVATION END VIEW



ISOMETRIC



14 GA. SHEET METAL

DRILL HOLES FOR PUMP MOUNT

DRILL & TAP FOR CONTROL BOX MOUNT

DRILL & TAP FOR STARTER BOX MOUNT

CONTROLLED DOCUMENT

THE INFORMATION HEREON IS THE PROPERTY OF PHOENIX PRODUCTS. ANY COPYING, TRANSMITTAL TO OTHERS AND USE EXCEPT THAT FOR WHICH IT IS LOANED IS PROHIBITED.



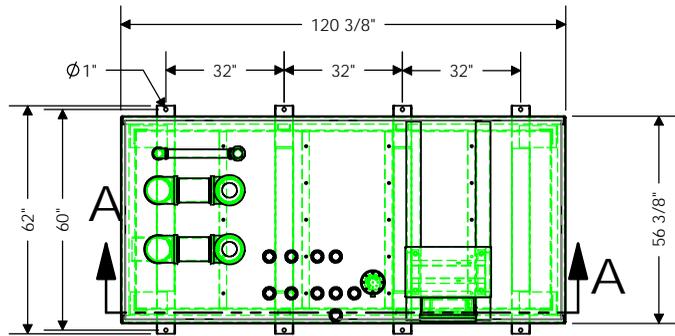
Phoenix Products
A Division of Ring Power Corporation
736 Wakefield Court Oakdale, Ca 95361

PUMP RACK

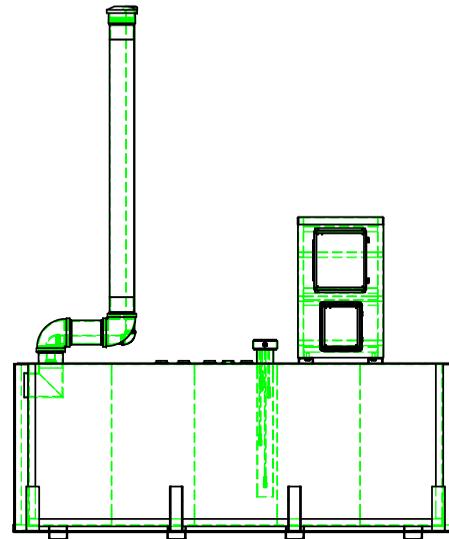
APPROVED BY:

SHEET 1 OF 1	DRAWN BY: JL	DATE 09.07.11	DWG. NO.	REV
SCALE: 1:10	CHECKED BY:	JOB STD	PUMP RACK	

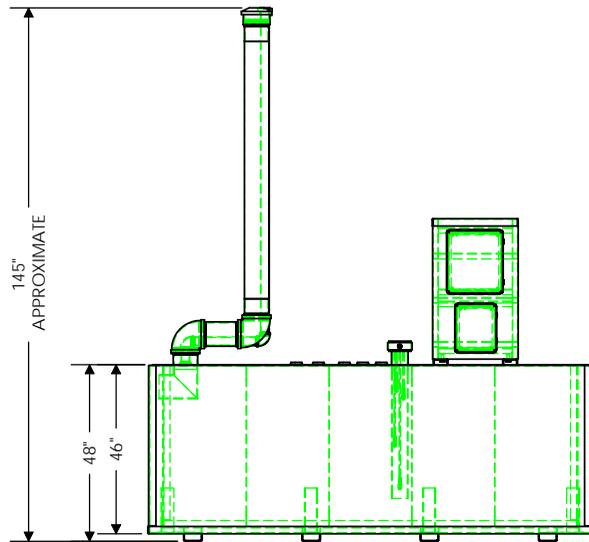
REVISIONS			
REV.	DESCRIPTION	APPROV. BY	DATE
	INITIAL RELEASE		09.07.11



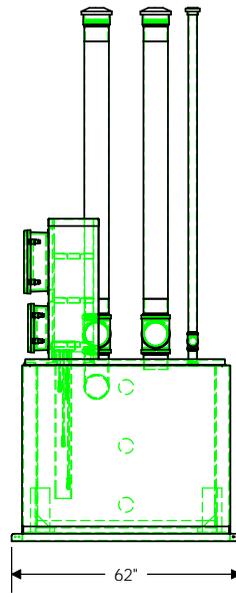
PLAN



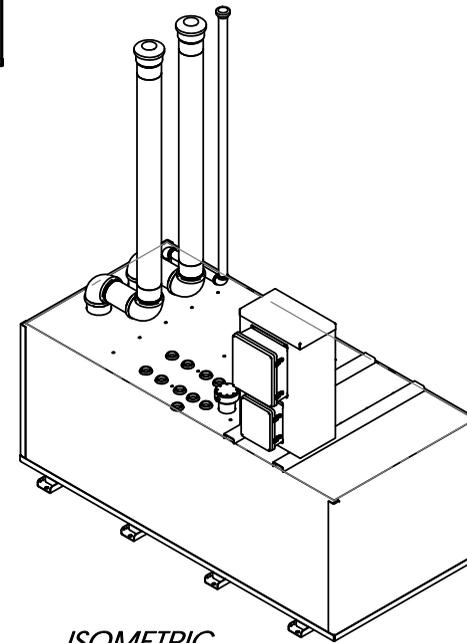
SECTION A-A



SIDE



END



ISOMETRIC

REVISIONS			
REV.	DESCRIPTION	APPROV. BY	DATE
	INITIAL RELEASE		08.31.11

NOTES:

1. APPROXIMATE WEIGHT:
TANK: 3500 LBS.
PUMP RACK: 105 LBS.
(2) GPM PUMP: 26 LBS. EACH
16 GPM PUMP: 48 LBS.
2. ESTIMATE VENT RISER SUPPORT & PIPE FITTINGS: 200 LBS.
3. ALL MATERIAL FOR INNER & OUTER TANK IS 3/16" PLATE
(TANK BAFFLE - 10 GA.)
4. TANK CAPACITY: 1024 GALLONS

CONTROLLED DOCUMENT

THE INFORMATION HEREON IS THE PROPERTY OF PHOENIX PRODUCTS. ANY COPYING, TRANSMITTAL TO OTHERS AND USE EXCEPT THAT FOR WHICH IT IS LOANED IS PROHIBITED.



Phoenix Products
A Division of Ring Power Corporation

736 Wakefield Court Oakdale, Ca 95361

1000 GALLON DOUBLE
WALL FUEL TANK
OSHPD, SHAKE TABLE TEST

APPROVED BY:

SHEET 1 OF 3

DRAWN BY: JL

DATE 08.31.11

DWG. NO.

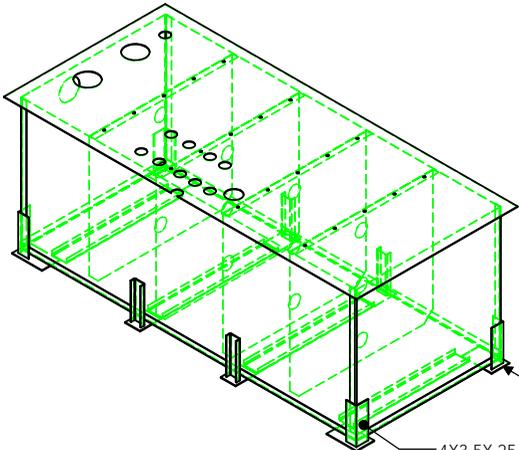
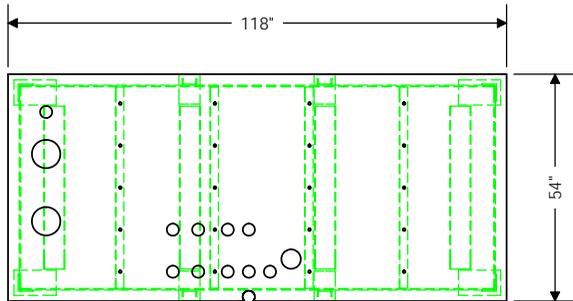
REV

SCALE: 1:40

CHECKED BY:

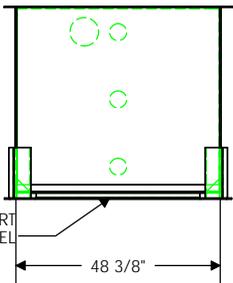
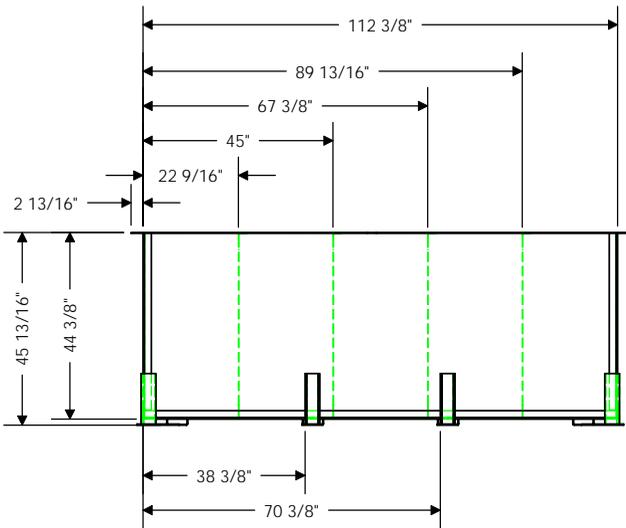
JOB STD

REVISIONS			
REV.	DESCRIPTION	APPROV. BY	DATE
	INITIAL RELEASE		08.31.11



WELD 1/4" SUPPORT PLATE TO ANGLE & OB PLATE

4X3.5X.25 ANGLE WEDL TO INNER TANK SIDE

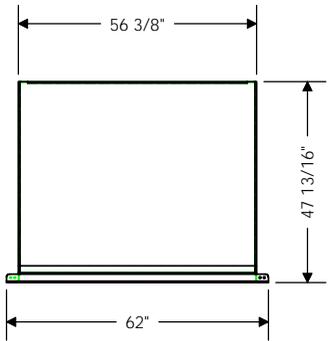
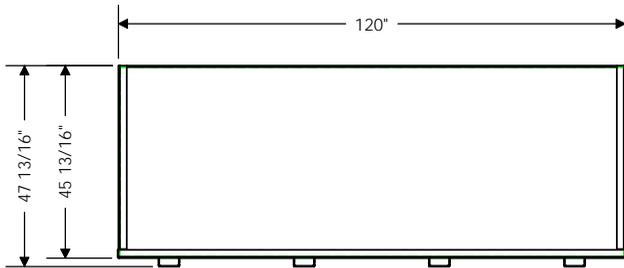
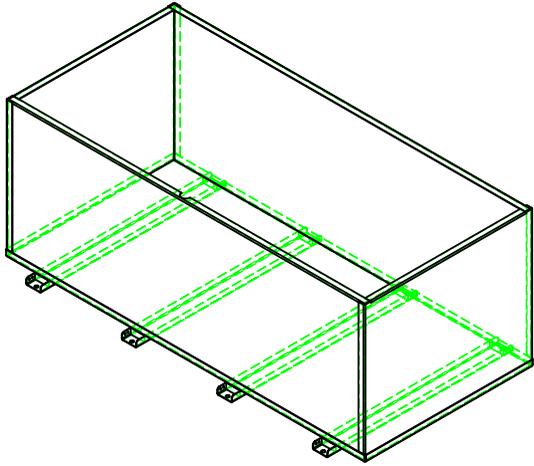
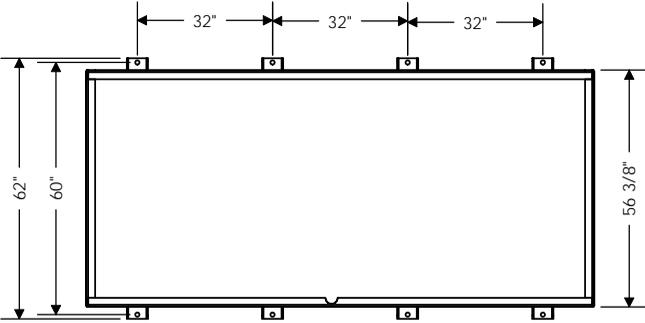


INNER TANK SUPPORT 3/16" PLATE FORM C-CHANNEL

INNER TANK

CONTROLLED DOCUMENT				
<p>THE INFORMATION HEREON IS THE PROPERTY OF PHOENIX PRODUCTS. ANY COPYING, TRANSMITTAL TO OTHERS AND USE EXCEPT THAT FOR WHICH IT IS LOANED IS PROHIBITED.</p> 		<p>Phoenix Products A Division of Ring Power Corporation 736 Wakefield Court Oakdale, Ca 95361</p>		
		<p>1000 GALLON DOUBLE WALL FUEL TANK OSHPD, SHAKE TABLE TEST</p>		
APPROVED BY:		SHEET 2 OF 3	DRAWN BY: JL	DATE 08.31.11
		SCALE: 1:35	CHECKED BY:	JOB STD
				DWG. NO.
				REV

REVISIONS			
REV.	DESCRIPTION	APPROV. BY	DATE
	INITIAL RELEASE		08.31.11



OUTER TANK

CONTROLLED DOCUMENT				
<p>THE INFORMATION HEREON IS THE PROPERTY OF PHOENIX PRODUCTS. ANY COPYING, TRANSMITTAL TO OTHERS AND USE EXCEPT THAT FOR WHICH IT IS LOANED IS PROHIBITED.</p>		<p>Phoenix Products A Division of Ring Power Corporation 736 Wakefield Court Oakdale, Ca 95361</p>		
		<p>1000 GALLON DOUBLE WALL FUEL TANK OSHPD, SHAKE TABLE TEST</p>		
APPROVED BY:	SHEET 3 OF 3	DRAWN BY: JL	DATE 08.31.11	DWG. NO.
	SCALE: 1:35	CHECKED BY:	JOB STD	REV