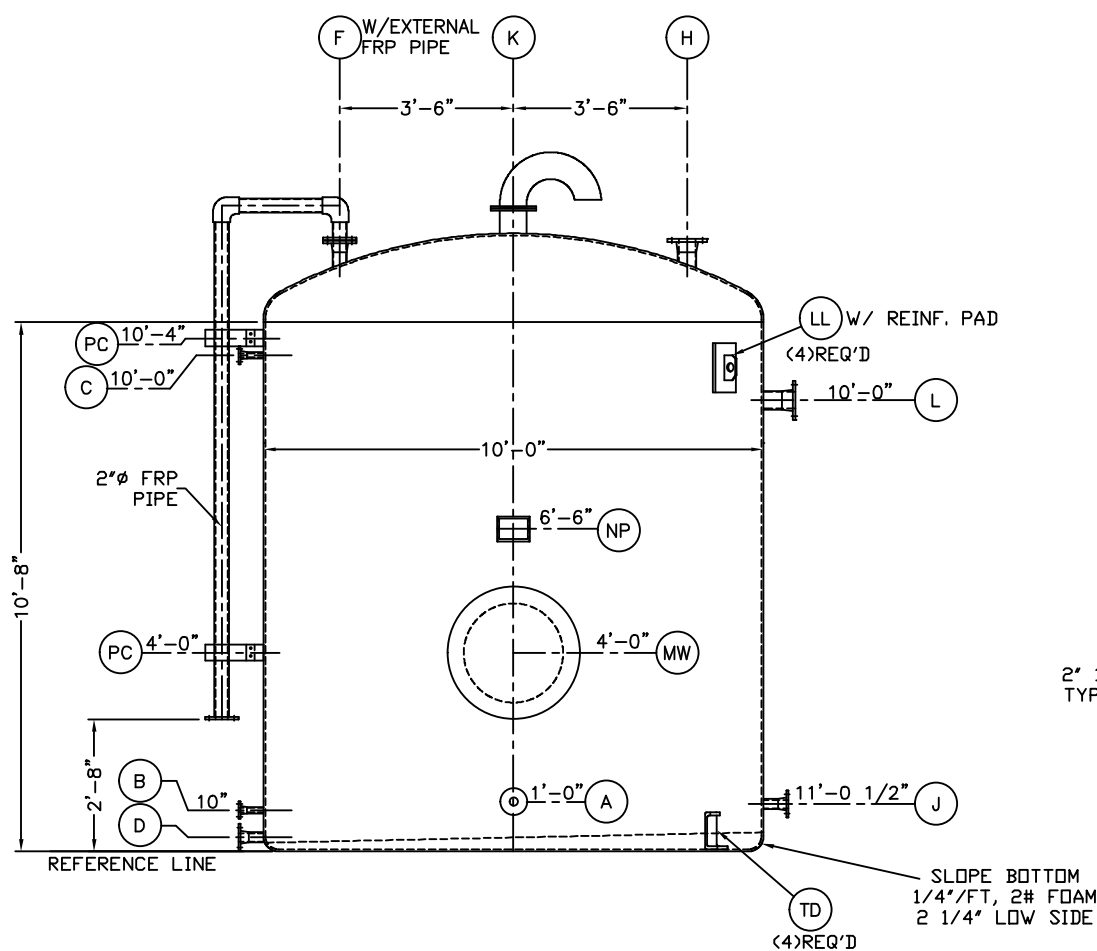
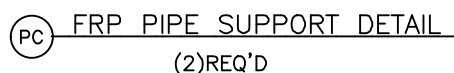
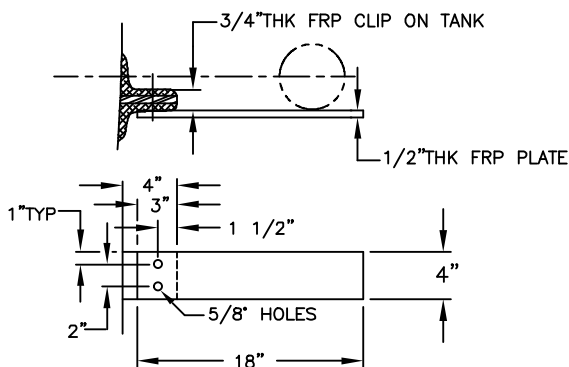


NOTE:  
HOLES FOR U-BOLTS  
TO BE FIELD-DRILLED  
BY OTHERS. U-BOLTS  
BY OTHERS.



ELEVATION VIEW

(TRUE ORIENTATION IN PLAN VIEW ONLY)

[illegible]

△ - CONICAL GUSSET      ○ - PLATE GUSSET      + - NON-GUSSETED  
 UNLESS OTHERWISE NOTED, ALL 150# FF FLANGES TO BE 50 PSI RATED.

NOTES:

RESIN. CORROSION LINER: ISOPHTHALIC POLYESTER  
CORROSION LINER THICKNESS: 100 MILS NOMINAL  
INTERIOR SURFACING VEIL: SINGLE PLY C-VEIL

RESIN, STRUCTURAL: ISOPHTHALIC POLYESTER

EXTERIOR GELCOAT: WHITE WITH UV INHIBITORS

GELCOAT NOTES:

DOME TOP THK:	0.31" THK	
INT. FLAT BTM THK:	0.3" W/0.46" KNUCKLE	EXT. FB THK: 0.26" THK
SIDEWALL THK:	0.26" THK	

EXTERNAL NOZZLE PROJECTION:	6" FROM O.D. UNLESS OTHERWISE NOTED
INTERNAL NOZZLE PROJECTION:	2" FROM I.D. UNLESS OTHERWISE NOTED

BOLT MATERIAL: 304SS  
GASKET MATERIAL: 1/8" E

POST CURE REQ'D: YES, 180° FOR (4HRS)  
HYDROTEST REQ'D: YES, ATMOSPHERIC TEST WITH AMBIENT CITY WATER (2HRS)

NOMINAL CAPACITY:	5,835 GALLONS
TANK WEIGHT EMPTY:	2,075 LBS.
TANK WEIGHT FULL:	70,465 LBS.

DESIGN PRESSURE:	ATMOSPHERIC	DESIGNED WIND SPEED:	160MPH
DESIGN TEMPERATURE:	105° F	DESIGNED SEISMIC ZONE:	PER ASCE 7-10
DESIGN SPECIFIC GRAVITY:	1.3	$S_{ps} = 0.075$	$S_{D1} = 0.06$ $I = 1.25$
CONTENTS:	POTASSIUM CHLORIDE		

TANK TO BE BUILT PER ASTM D3299, ASTM D4097, PS 15-69  
AND ASME RTP-1. AS APPLICABLE.

PROPER VENTING OF THE VESSEL TO BE THE RESPONSIBILITY OF THE CUSTOMER.  
VENTS SHALL BE SIZED TO PREVENT ANY OCCURRENCE OF PRESSURE OR VACUUM  
BEYOND THE DESIGN PARAMETERS STATED ABOVE.

ALL ELEVATIONS TO BE MEASURED FROM REFERENCE LINE.  
ALL NOZZLE BOLT HOLES TO STRADDLE TANK'S MAJOR CENTERLINES.  
ALL NOZZLES TO BE COVERED WITH PLYWOOD BLINDS DURING TRANSIT.  
FULL FACE GASKETS MUST BE USED ON ALL FIBERGLASS FLANGES.  
RING TYPE GASKETS ARE NOT SUITABLE.

FLANGE BOLT-UP TORQUE SHOULD NOT EXCEED 25 FT·LBS. FOR BOLTS UP TO 1/2" DIAMETER AND 50 FT·LBS. FOR 5/8" DIAMETER AND LARGER.

HANDLING AND INSTALLATION RECOMMENDATIONS PROVIDED AT  
<http://diamondfiberglass.com/iom.html>. FAILURE TO FOLLOW RECOMMENDATIONS  
 MAY RESULT IN DAMAGE TO THE VESSEL, PROPERTY, PERSONNEL AND MAY VOID  
 THE WARRANTY.

STANDARD REFERENCE DRAWINGS SEE IND8902A
STANDARD REFERENCE DRAWINGS SEE IND8925A

## ASSEMBLY PARTS LIST

QTY	SIZE	DESCRIPTION	MATERIAL	SERVICE
1	24"	SIDE ENTRY GASKET	EPDM	MW
20	5/8" x 3/4"	BOLTS, NUTS, WASHERS	304SS	MW
1	6"	GASKET	EPDM	K
8	3/4" x 3"	BOLTS, NUTS, WASHERS	304SS	K
13'	2"	EXT. PIPE	FRP	F
2	2"	ELBOWS	FRP	F
2	2"	150# FLANGES	FRP	F
4	1/2" x 2"	BOLTS, NUTS, WASHERS	304SS	PC

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MARK	DATE	REVISIONS
0	9-24-19	SUBMITTED FOR CUSTOMER APPROVAL
1	10-23-19	SUBMITTED FOR CUSTOMER APPROVAL
2	11-07-19	CERTIFIED FOR CONSTRUCTION
3	12-16-19	ADDED EXT. PIPE TO (F) WITH CLIPS (PC) RESUBMITTED FOR APPROVAL
4	3-03-20	CERTIFIED AS-BUILT
5	4-24-20	DESIGN WIND SPEED WAS 158mph, TEMPERATURE WAS 100° ASME RTP-1 HAS BEEN ADDED TO DESIGN STANDARDS NOTES.

<p>NUMBER REQUIRED: 1</p> <p>STAGE (the "design") may not be copied or reproduction without the written permission of the licensor and execution of the design is the responsibility of the licensee. The design is for use in the production of diamond necessary to the production of FIBERGLASS FOR THE PRODUCTION OF DIAMOND</p> <p>DRAWN BY: JADDEMAN</p>	<p>MODEL NO. VT1010'8 DT-SB</p> <p>POTASSIUM CHLORIDE TANK</p> <p>TAG NO: F-435</p> <p>PROCESS SYSTEMS</p> <p>FOR</p> <p>INEOS</p> <p>TEXAS CITY, TX</p>
--	--



## DIAMOND FIBERGLASS

1036 Industrial Park Dr. Victoria, Texas 77905  
Tel (361) 572-4040 Fax (361) 573-0451  
[www.diamondfiberaglass.com](http://www.diamondfiberaglass.com)

$\mathcal{B}$		DRAWING NO.	REV
	SCALE: $1/2" = 1'-0"$	IND8925	5
	DRAWN DATE: 9-24-19		

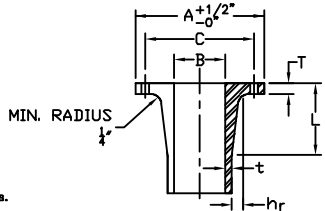
**General Notes:**

- Gaskets shall be  $\frac{1}{8}$ " thick full-face elastomeric material having a hardness of Shore A60  $\pm 5$ .
- Flange thickness is based on 1,800 psi design stress for Type I laminates and 3,000 psi design stress for Type II laminates. The design factor of 5:1 was used against ultimate tensile stress of laminate construction.
- The nozzle neck thicknesses given are based on Type II or equivalent strength filament wound Type X laminate with a design factor of 10:1 against ultimate tensile strength and are the minimum thicknesses that may be used in all types of laminate construction. If Type I hand lay-up laminates are used, the nozzle neck thicknesses must be increased for nozzle sizes 10 in. and up.
- The rating of all nozzle necks and flanges for all sizes given in this table is 50 psi.

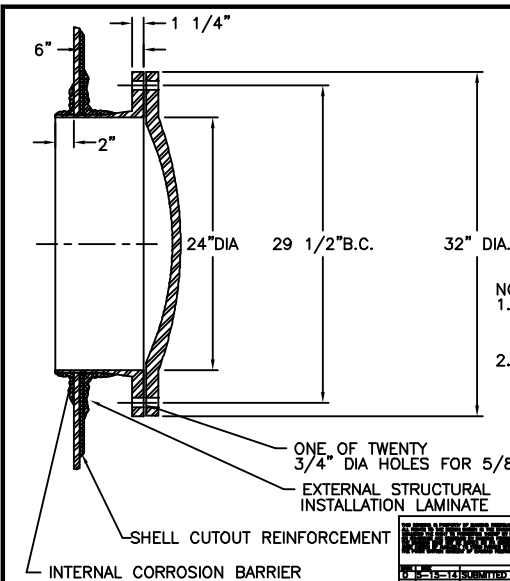
Dimensions generally comparable to Class 150 weld-neck flanges.

**Notes:**

- (1)  $\pm 0.06$  in. (see ASME B16.5).
- (2)  $\pm 0.03$  in. center-to-center of adjacent bolt holes
- (3) See ASME B16.5 (3) Eccentricity between bolt holes and center of nozzle; for sizes 2 in. and less,  $\pm 0.03$  in. for sizes 3" and larger,  $\pm 0.06$  in.





DATA EXTRACTED FROM  
ASME RTP-1-2007  
PAGE 48

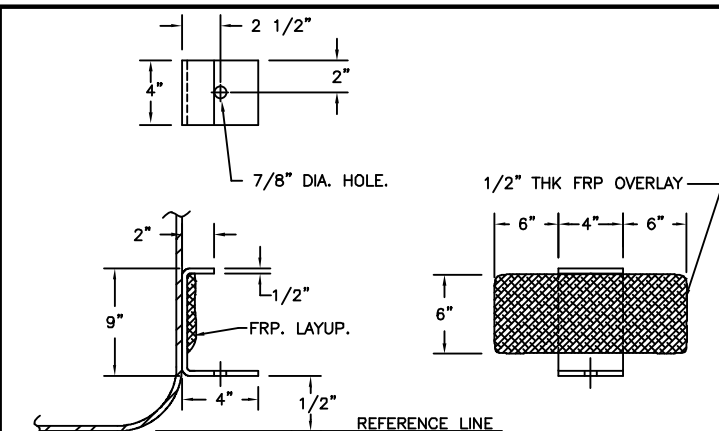
[illegible]

- NOTES:
1. MANWAY TO BE FABRICATED UTILIZING THE SAME RESIN SYSTEM AS TANK.
  2. SEE TANK FABRICATION DRAWING FOR TYPE GASKET AND BOLTING TO BE SUPPLIED.

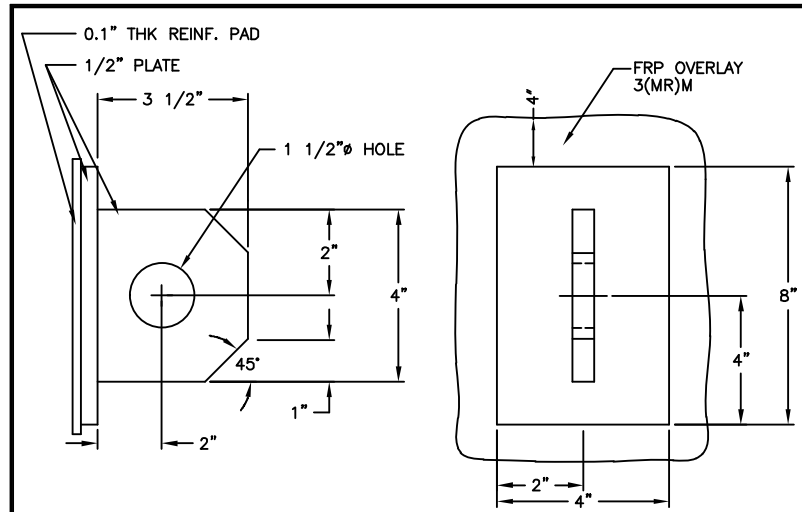
ONE OF TWENTY  
3/4" DIA HOLES FOR 5/8" DIA BOLTS  
EXTERNAL STRUCTURAL  
INSTALLATION LAMINATE

✓ SHELL CUTOUT REINFORCEMENT  
✓ CORROSION BARRIER

		STANDARD 24" SIDE ENTRY MANWAY	
SUBMITTING FOR CUSTOMER REVIEW		 <b>DIAMOND FIBERGLASS</b> FIBERGLASS MANHOLES & ACCESSORIES	
ORDER NO. 017		REF 017	



- NOTES:  
MATERIAL  
1/2" THK STAINLESS STEEL PLATE

[illegible]

NOTE:  
SEE TANK DRAWING FOR  
GRADE OF STAINLESS STEEL  
REQUIRED.

[illegible]

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CUSTOMER P.O.#	190018-6259
DFFI WORK ORDER#	35668
TANK SERIAL #	8924-19-35668
TANK COMPLETION DATE:	
RELATED DRAWINGS:	
DRAWN BY:	JMOORMAN
CUST. APVL. BY:	

STANDARD REFERENCE DRAWINGS
POTASSIUM CHLORIDE TANK
TAG NO: F-435
PROCESS SYSTEMS
FOR
INEOS, TEXAS CITY, TX

MARK#	DATE	REVISIONS	CHKD.	APVD.
0	9-24-19	SUBMITTED FOR CUSTOMER INFORMATION	RS	BB
1	10-23-19	SUBMITTED FOR CUSTOMER INFORMATION	RS	BB
2	11-07-19	CERTIFIED FOR CONSTRUCTION	RS	BB
3	3-03-20	CERTIFIED AS-BUILT	RS	BB
4	4-24-20	NAMEPLATE DESIGN TEMPERATURE WAS 100°F	JM	BB



1036 Industrial Park Dr. Victoria, Texas 77905  
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[www.diamondfiberglass.com](http://www.diamondfiberglass.com)

	DRAWING NO.	RE
SCALE: 1/2" = 1'-0"	IND8925A	4
DRAWN DATE: 9-24-19		



**DIAMOND  
FIBERGLASS**  
ASME RTP-I AUTHORIZED FABRICATOR

1036 Industrial Park Dr., Victoria, Texas 77905  
Phone: (361) 572-4040 • Fax: (361) 573-0451  
[www.diamondfiberglass.com](http://www.diamondfiberglass.com)

## QUALITY ASSURANCE DATA BOOK

**Customer:** Process Systems & Components  
**Purchase Order:** 190018-6259 / 6260  
**Serial Number:** 8925-19-35668

The following information is  
certified as built.



**DIAMOND  
FIBERGLASS**  
ASME RTP-I AUTHORIZED FABRICATOR

(361) 572-4040  
[www.diamondfiberglass.com](http://www.diamondfiberglass.com)

- Custom Engineered FRP Vessels
- Corrosion Service Specialists
- FRP Storage Tanks
- FRP Process Vessels
- ASME RTP-1 Certified
- FRP Tank Installations



**DIAMOND  
SERVICES**  
ASME RTP-I QUALIFIED LAMINATORS

(281) 991-1211  
[www.diamondservices.com](http://www.diamondservices.com)

- Non-Metallic Field Services
- Dual Lam / FRP Piping
- FRP Pipe Installation
- FRP Tank Repair / Modification
- FRP Tank Inspections
- FRP Tank Relines
- Corrosion Coating Application

## **Table of Contents**

- Inspection and Test Plan
- Post Cure
- Nozzle and Fitting Inspection
- Visual Laminate Inspection
- CERTIFICATE OF CONFORMANCE
- Hydrotest
- Barcol Non-RTP
- Loading Photos
- Minor TC - INT BTM KNUCKLE
- Minor TC - INT BTM FLAT
- Minor TC - EXT BTM
- Minor TC - DOME
- Minor TC - SW





## INSPECTION &amp; TEST PLAN

<b>CUSTOMER:</b> Process Systems & Components		<b>DRAWING NUMBER:</b> 35668		<b>REV:</b> 3	
<b>PO NUMBER:</b> 190018-6259 / 6260		<b>TANK TAG NUMBER:</b> F-435			
<b>DFG ORDER:</b> 8925		<b>TANK SERIAL NUMBER:</b> 8925-19-35668			
<b>HOLD POINT CODES</b>					
I	INSPECTION	R	DOCUMENT REVIEW	N/A	NOT APPLICABLE
W	CUSTOMER WITNESS	H	HOLD	SD	SUPPORTING DOCUMENTATION
<b>SIGN OFF AND DATE</b>					
<b>ITP PLAN REQUIREMENTS</b>		<b>CODE</b>	<b>DIAMOND FIBERGLASS</b>	<b>CUSTOMER QA</b>	<b>INSPECTOR NOTES</b>
<b>1.0 DOCUMENT REVIEW-PRE PRODUCTION</b>					
1.1 REVIEW CURRENT PURCHASE ORDER		R	CS 11-16-19		
1.2 REVIEW APPROVED DRAWINGS AND QA REQUIREMENTS		H	CS 11-16-19		
<b>2.0 IN PROCESS INSPECTION OF MAJOR COMPONENTS</b>					
2.1 RESIN SYSTEM CONFORMS TO DRAWING		DR, I	CS 11-25-19		
2.2 LAMINATE QUALITY		I	CS 12-2-19		
2.3 PART CONFORMS TO SPECIFICATIONS-DIMENSIONS		I	CS 12-2-19		
<b>3.0 INSPECTION OF ASSEMBLED TANK COMPONENTS</b>					
3.1 HEIGHT, WIDTH AND ROUNDNESS INSPECTION		I	CS 12-9-19		
3.2 NOZZLE SIZE, DIMENSIONS AND ELEVATIONS		I	CS 12-31-19		
3.3 VISUAL INSPECTION OF ALL SECONDARY LAY UPS		I	BC 12-26-19		
3.4 LIFT LUGS AND TIE DOWNS MEET SPECIFICATIONS		I	CS 12-31-19		
3.5 LADDERS AND HANDRAILS FIT UP WITH PICTURES		I	CS N/A		
<b>4.0 SPECIAL MEASURING &amp; TESTING EQUIPMENT CALIBRATIONS</b>					
4.1 ULTRA SONIC THICKNESS PROPERLY CALIBRATED		I	CS weekly		
4.2 BARCOL HARDNESS METER PROPERLY CALIBRATED		I	CS weekly		
<b>5.0 FUNTIONAL TESTING</b>					
5.1 THICKNESS MEETS ENGINEERING SPECIFICATIONS		I	CS 12-2-19		
5.2 ACETONE SENSITIVITY TEST PERFORMED		I	CS 12-2-19		
5.3 BARCOL HARDNESS PERFORMED		I	CS 12-2-19		
5.4 POST CURE COMPLETED (IF REQUIRED)		I	BC 12-26-19		
5.5 HYDROSTATIC LEAK TEST COMPLETED (IF REQUIRED)		H, I	BC 12-27-19		
<b>6.0 FINAL INSPECTION</b>					
6.1 TANK EXTERIOR PROFESSIONALLY COATED		I	CS 12-31-19		
6.2 ALL NOZZLE LEVEL & STRADDLE TANK CENTERLINE		I	CS 12-31-19		
6.3 NO SHARP EDGES OR BARE FIBERGLASS (INT & EXT)		I	BC 12-26-19		
6.4 TANK INTERIOR CLEAN		I	BC 12-26-19		
6.5 ALL CUT OUTS TO BE RETAINED FOR 1 YEAR		I	CS 12-23-19		
CUSTOMER INSPECTION		I	CS 12-23-19		
6.6 NAMEPLATE & SPECIAL SIGNAGE CORRECT		I	CS 12-31-19		
<b>7.0 SHIPPING</b>					
7.1 SHIP LOOSE ITEMS MARKED WITH SERIAL NUMBER		I	CS N/A		
7.2 PROPER COVERS ON ALL NOZZLES & MANWAYS		I	CS 1-2-20		
7.3 QA FINAL RELEASE FOR SHIPMENT		H	CS 1-2-20		
<b>DIAMOND FIBERGLASS QA:</b>		<b>DATE:</b> 2-Jan-20			
<b>CUSTOMER QA:</b>		<b>DATE:</b>			



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# POST CURE REPORT

CUSTOMER: Process Systems & Components	DRAWING NUMBER: 35668	REV: 3
PO NUMBER: 190018-6259 / 6260	TANK TAG NUMBER: F-435	
DFG ORDER: 8925	TANK SERIAL NUMBER: 8925-19-35668	

POST CURE TEMPERATURE: 180° F

TEST DURATION: 4 hrs

CUSTOMER WITNESS: \_\_\_\_\_ YES \_\_\_\_\_ ☒ NO

START DATE: 26 Dec-19

START TIME: 7:15 AM

END TIME: 11:15 AM

INSPECTED BY: Brian Cady

SIGNATURE: \_\_\_\_\_

COMMENTS:



CUSTOMER:	Process Systems & Components	DRAWING NUMBER:	35668	REV:3
PO NUMBER:	190018-6259 / 6260	TANK TAG NUMBER:	F-435	
DFG ORDER:	8925	TANK SERIAL NUMBER:	8925-19-35668	

[illegible]

WORK CREW:	
INSPECTOR'S COMMENTS:	





## VISUAL LAMINATE INSPECTION

CUSTOMER: Process Systems & Components	DRAWING NUMBER: 35668	REV: 3
PO NUMBER: 190018-6259 / 6260	TANK TAG NUMBER: F-435	
DFG ORDER: 8925	TANK SERIAL NUMBER: 8925-19-35668	

	Inspection Point	Accepted	w/Condition	Rejected	Inspector's Comments
FLAT BOTTOM INSPECTION	Laminate quality	✓			
	Part conforms to specs.	✓			
DOME TOP INSPECTION	Laminate quality	✓			
	Part conforms to specs.	✓			
SIDEWALL INSPECTION	Laminate quality	✓			
	Part conforms to specs.	✓			
TANK INTERIOR FINAL INSPECTION	Strip overlays	✓			
	Nozzle overlays	✓			
	Nozzle bolt holes straddle C/L	✓			
	Acetone sensitivity	✓			
	Cut edges sealed	✓			
	Interior clean	✓			
	Overall liner quality	✓			
	Barcols within limits	✓			
	Clip size is correct	N/A			
	Clip overlays	N/A			
	Winder mounting holes sealed	N/A			
	Siphons	N/A			
	Downcomers	N/A			
	Header piping	N/A			
	Grating	N/A			
	Vortex breaker	N/A			
	Internal Ring (width, thickness, & elevation)	N/A			
TANK EXTERIOR FINAL INSPECTION	Height & width accurate	✓			
	Tie downs clean	✓			
	Lift lugs clean	✓			
	Nozzles scraped & cleaned	✓			
	Gussets properly ground	✓			
	Bolt holes drilled & sealed	✓			
	Bolt hole size & orientation	✓			
	Cut edges sealed	✓			
	Surface coat quality	✓			
	All covers installed	✓			
	Verified NP Information	✓			
	Cut Outs Preserved	✓			
	Signage/Calibration Strip	N/A			
	Other:				

**CERTIFICATE OF CONFORMANCE**

February 28, 2020

Process Systems & Components  
190018-6259 / 6260

To Whom It May Concern:

This letter is provided to certify that Diamond Fiberglass has designed and fabricated the fiberglass equipment on the referenced purchase order in full accordance with the below noted documents.

- POTASSIUM CHLORIDE TANK - Diamond Fiberglass Drawing: IND8925, Rev. 3

Should you have any questions or require any additional information, please contact me at (361) 572-4040 or via e-mail at [csierra@diamondfiberglass.com](mailto:csierra@diamondfiberglass.com).

Sincerely,

**DIAMOND FIBERGLASS**

Chad Sierra  
Quality Assurance Inspector



## HYDROTEST / PRESSURE REPORT

<b>CUSTOMER:</b> Process Systems & Components	<b>DRAWING NUMBER:</b> 35668	<b>REV:</b> 3
<b>PO NUMBER:</b> 190018-6259 / 6260	<b>TANK TAG NUMBER:</b> F-435	
<b>DFG ORDER:</b> 8925	<b>TANK SERIAL NUMBER:</b> 8925-19-35668	

PROCEDURE

"A WATER FILLED HYDROTEST SHALL PERFORMED ON ALL VESSELS WITH GREATER THAN 0.5 PSIG (13.85 IN WC) SHALL BE TESTED TO 110% - 120% OF DESIGN PRESSURE. VESSELS UNDER 0.5 PSIG DESIGN PRESSURE SHALL BE FILLED TO THE MAXIMUM LIQUID LEVEL WITH WATER, REGARDLESS OF THE SERVICE SPECIFIC GRAVITY."

"VESSELS UNDER 6" W.C. EXTERNAL PRESSURE ARE EXEMPT FROM VACUUM TEST. ALL VESSELS GREATER THAN 6" W.C. EXTERNAL PRESSURE SHALL BE EVACUATED TO THE DESIGN EXTERNAL PRESSURE. SEE 6-960.C FOR MORE INFORMATION ON VACUUM TESTING."

TEST PRESSURE SHALL BE HELD FOR 2 HR MINIMUM WITHOUT A LEAK. IF THE PRESSURE TEST GENERATES UPWARD FORCE, ALL ANCHOR BOLTS SHALL BE SECURED.

**VESSEL DESIGN PRESSURE:** Atmospheric

**VESSEL TEST PRESSURE MIN:** Atmospheric

**VESSEL TEST PRESSURE MAX:** Atmospheric

**TEST DESCRIPTION:** Atmospheric

**TEST DURATION:** 2hrs

**CUSTOMER WITNESS:** \_\_\_\_\_ YES ☒ NO


**FILL DATE:** 27-Dec-19

**EMPTY DATE:** 27-Dec-19

**INSPECTED BY:** Brian Cody

**FILL TIME:** 9:40 A.M.

**EMPTY TIME:** 11:40 A.M.

**SIGNATURE:** 

**COMMENTS:** No leaks at time of inspection.

**POST CURE:**

**HYDROTEST:**

**WORK CREW:**

**INSPECTOR'S COMMENTS:**



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BARCOL NON-RTP REPORT

CUSTOMER: Process Systems & Co	DRAWING NUMBE 35668	REV: 3
PO NUMBER: 190018-6259 / 6260	TANK TAG NUMBE F-435	
DFG ORDER: 8925	TANK SERIAL NUV 8925-19-35668	
UBRS Barcol: 30		

PART DESCRIPTION:  
10' BTM

DESIGN BARCOL	ACTUAL BARCOL
30	33
30	34
30	35
30	33
30	33
AVG BARCOL	
ACETONE SENSITIVITY	

PASS FAIL

PART DESCRIPTION:  
10' DOME

DESIGN BARCOL	ACTUAL BARCOL
30	32
30	31
30	32
30	34
30	33
AVG BARCOL	
ACETONE SENSITIVITY	

PASS FAIL

PART DESCRIPTION:  
10'8" SW 1/4

DESIGN BARCOL	ACTUAL BARCOL
30	35
30	35
30	34
30	36
30	34
AVG BARCOL	
ACETONE SENSITIVITY	

PASS FAIL

PART DESCRIPTION:  
10'8" SW 2/4

DESIGN BARCOL	ACTUAL BARCOL
30	34
30	36
30	33
30	34
30	34
AVG BARCOL	
ACETONE SENSITIVITY	

PASS FAIL

PART DESCRIPTION:  
10'8" SW 3/4

DESIGN BARCOL	ACTUAL BARCOL
30	35
30	36
30	35
30	37
30	34
AVG BARCOL	
ACETONE SENSITIVITY	

PASS FAIL

PART DESCRIPTION:  
10'8" SW 4/4

DESIGN BARCOL	ACTUAL BARCOL
30	35
30	36
30	35
30	35
30	36
AVG BARCOL	
ACETONE SENSITIVITY	

PASS FAIL

PART DESCRIPTION:

DESIGN BARCOL	ACTUAL BARCOL
30	
30	
30	
30	
30	
AVG BARCOL	
ACETONE SENSITIVITY	

PASS FAIL

PART DESCRIPTION:

DESIGN BARCOL	ACTUAL BARCOL
30	
30	
30	
30	
30	
AVG BARCOL	
ACETONE SENSITIVITY	

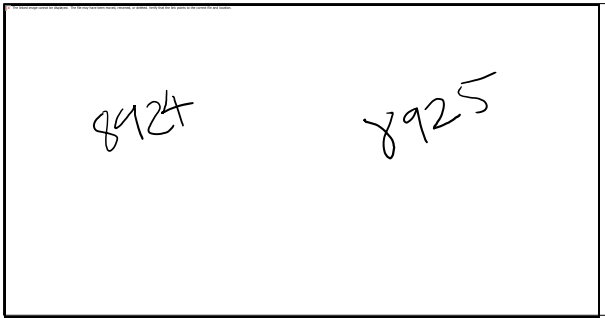
PASS FAIL

PART DESCRIPTION:

DESIGN BARCOL	ACTUAL BARCOL
30	
30	
30	
30	
30	
AVG BARCOL	
ACETONE SENSITIVITY	

PASS FAIL

LOADING PHOTOS



**THICKNESS ASSURANCE FOR MINOR PART**

<b>CUSTOMER:</b> Process Systems & Components	<b>DRAWING NUMBER:</b> 35668	<b>REV:</b> 3
<b>PO NUMBER:</b> 190018-6259 / 6261	<b>TANK TAG NUMBER:</b> F-435	
<b>DFG ORDER:</b> 8925	<b>TANK SERIAL NUMBER:</b> 8925-19-35668	
<b>PART DESCRIPTION:</b> INT BTM KNUCKLE		

TAKE SIX SPOT READINGS IN AROUND THE PART. ENSURE THE POINTS ARE WELL DISTRIBUTED AND NOT IN A STRAIGHT LINE. AVOID USING A POINT THAT STRADDLES AN OVERLAID PIECE. RECORD ALL SIX MEASUREMENTS. THIS IS CALLED THE AVERAGE SPOT THICKNESS.

**DESIGN THICKNESS**

<b>T</b>
0.46

 IN

**MEASUREMENTS**

		% DES
<b>SPOT 1</b>	0.442	96%
<b>SPOT 2</b>	0.441	96%
<b>SPOT 3</b>	0.458	100%
<b>SPOT 4</b>	0.460	100%
<b>SPOT 5</b>	0.454	99%
<b>SPOT 6</b>	0.449	98%

AVERAGE SPOT THICKNESS 

0.45
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 98%

**AVERAGE SPOT THICKNESS RESULTS**

THICKEST PART <= 120% THINNEST	OK	104%
THINNEST PART >= 90% DESIGN	OK	96%
AVERAGE OF SIX <= 125% DESIGN	OK	98%
AVERAGE OF SIX >= 95% DESIGN	OK	98%

**WORK CREW:****INSPECTOR'S COMMENTS:**

**THICKNESS ASSURANCE FOR MINOR PART**

<b>CUSTOMER:</b> Process Systems & Components	<b>DRAWING NUMBER:</b> 35668	<b>REV:</b> 3
<b>PO NUMBER:</b> 190018-6259 / 6261	<b>TANK TAG NUMBER:</b> F-435	
<b>DFG ORDER:</b> 8925	<b>TANK SERIAL NUMBER:</b> 8925-19-35668	
<b>PART DESCRIPTION:</b> INT BTM FLAT		

TAKE SIX SPOT READINGS IN AROUND THE PART. ENSURE THE POINTS ARE WELL DISTRIBUTED AND NOT IN A STRAIGHT LINE. AVOID USING A POINT THAT STRADDLES AN OVERLAID PIECE. RECORD ALL SIX MEASUREMENTS. THIS IS CALLED THE AVERAGE SPOT THICKNESS.

**DESIGN THICKNESS**

<b>T</b>
0.3

 IN

**MEASUREMENTS**

		% DES
<b>SPOT 1</b>	0.344	115%
<b>SPOT 2</b>	0.315	105%
<b>SPOT 3</b>	0.296	99%
<b>SPOT 4</b>	0.310	103%
<b>SPOT 5</b>	0.324	108%
<b>SPOT 6</b>	0.322	107%

AVERAGE SPOT THICKNESS 

0.32
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 106%

**AVERAGE SPOT THICKNESS RESULTS**

THICKEST PART <= 120% THINNEST	OK	116%
THINNEST PART >= 90% DESIGN	OK	99%
AVERAGE OF SIX <= 125% DESIGN	OK	106%
AVERAGE OF SIX >= 95% DESIGN	OK	106%

**WORK CREW:****INSPECTOR'S COMMENTS:**

**THICKNESS ASSURANCE FOR MINOR PART**

<b>CUSTOMER:</b> Process Systems & Components	<b>DRAWING NUMBER:</b> 35668	<b>REV:</b> 3
<b>PO NUMBER:</b> 190018-6259 / 6261	<b>TANK TAG NUMBER:</b> F-435	
<b>DFG ORDER:</b> 8925	<b>TANK SERIAL NUMBER:</b> 8925-19-35668	
<b>PART DESCRIPTION:</b> EXT BTM		

TAKE SIX SPOT READINGS IN AROUND THE PART. ENSURE THE POINTS ARE WELL DISTRIBUTED AND NOT IN A STRAIGHT LINE. AVOID USING A POINT THAT STRADDLES AN OVERLAID PIECE. RECORD ALL SIX MEASUREMENTS. THIS IS CALLED THE AVERAGE SPOT THICKNESS.

**DESIGN THICKNESS**

<b>T</b>
0.26

 IN

**MEASUREMENTS**

		% DES
<b>SPOT 1</b>	0.419	161%
<b>SPOT 2</b>	0.458	176%
<b>SPOT 3</b>	0.452	174%
<b>SPOT 4</b>	0.432	166%
<b>SPOT 5</b>	0.435	167%
<b>SPOT 6</b>	0.426	164%

AVERAGE SPOT THICKNESS 

0.44
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 168%

**AVERAGE SPOT THICKNESS RESULTS**

THICKEST PART <= 120% THINNEST	OK	109%
THINNEST PART >= 90% DESIGN	OK	161%
AVERAGE OF SIX <= 125% DESIGN	NCR	168%
AVERAGE OF SIX >= 95% DESIGN	OK	168%

**WORK CREW:**

**INSPECTOR'S COMMENTS:**



**THICKNESS ASSURANCE FOR MINOR PART**

<b>CUSTOMER:</b> Process Systems & Components	<b>DRAWING NUMBER:</b> 35668	<b>REV:</b> 3
<b>PO NUMBER:</b> 190018-6259 / 6261	<b>TANK TAG NUMBER:</b> F-435	
<b>DFG ORDER:</b> 8925	<b>TANK SERIAL NUMBER:</b> 8925-19-35668	
<b>PART DESCRIPTION:</b> DOME		

TAKE SIX SPOT READINGS IN AROUND THE PART. ENSURE THE POINTS ARE WELL DISTRIBUTED AND NOT IN A STRAIGHT LINE. AVOID USING A POINT THAT STRADDLES AN OVERLAID PIECE. RECORD ALL SIX MEASUREMENTS. THIS IS CALLED THE AVERAGE SPOT THICKNESS.

**DESIGN THICKNESS**

<b>T</b>
0.31

 IN

**MEASUREMENTS**

		% DES
<b>SPOT 1</b>	0.313	101%
<b>SPOT 2</b>	0.337	109%
<b>SPOT 3</b>	0.351	113%
<b>SPOT 4</b>	0.340	110%
<b>SPOT 5</b>	0.325	105%
<b>SPOT 6</b>	0.360	116%

**AVERAGE SPOT THICKNESS**

0.34
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 109%

**AVERAGE SPOT THICKNESS RESULTS**

THICKEST PART <= 120% THINNEST	OK	115%
THINNEST PART >= 90% DESIGN	OK	101%
AVERAGE OF SIX <= 125% DESIGN	OK	109%
AVERAGE OF SIX >= 95% DESIGN	OK	109%

**WORK CREW:**

**INSPECTOR'S COMMENTS:**

**THICKNESS ASSURANCE FOR MINOR PART**

<b>CUSTOMER:</b> Process Systems & Components	<b>DRAWING NUMBER:</b> 35668	<b>REV:</b> 3
<b>PO NUMBER:</b> 190018-6259 / 6261	<b>TANK TAG NUMBER:</b> F-435	
<b>DFG ORDER:</b> 8925	<b>TANK SERIAL NUMBER:</b> 8925-19-35668	
<b>PART DESCRIPTION:</b> SW 0-12		

TAKE SIX SPOT READINGS IN AROUND THE PART. ENSURE THE POINTS ARE WELL DISTRIBUTED AND NOT IN A STRAIGHT LINE. AVOID USING A POINT THAT STRADDLES AN OVERLAID PIECE. RECORD ALL SIX MEASUREMENTS. THIS IS CALLED THE AVERAGE SPOT THICKNESS.

**DESIGN THICKNESS**

<b>T</b>
0.62

 IN

**MEASUREMENTS**

		% DES
<b>SPOT 1</b>	0.787	127%
<b>SPOT 2</b>	0.761	123%
<b>SPOT 3</b>	0.750	121%
<b>SPOT 4</b>	0.819	132%
<b>SPOT 5</b>	0.811	131%
<b>SPOT 6</b>	0.910	147%

AVERAGE SPOT THICKNESS 

0.81
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 130%

**AVERAGE SPOT THICKNESS RESULTS**

THICKEST PART <= 120% THINNEST	NCR	121%
THINNEST PART >= 90% DESIGN	OK	121%
AVERAGE OF SIX <= 125% DESIGN	NCR	130%
AVERAGE OF SIX >= 95% DESIGN	OK	130%

**WORK CREW:****INSPECTOR'S COMMENTS:**

**THICKNESS ASSURANCE FOR MINOR PART**

<b>CUSTOMER:</b> Process Systems & Components	<b>DRAWING NUMBER:</b> 35668	<b>REV:</b> 3
<b>PO NUMBER:</b> 190018-6259 / 6261	<b>TANK TAG NUMBER:</b> F-435	
<b>DFG ORDER:</b> 8925	<b>TANK SERIAL NUMBER:</b> 8925-19-35668	
<b>PART DESCRIPTION:</b> SW 18-10'6		

TAKE SIX SPOT READINGS IN AROUND THE PART. ENSURE THE POINTS ARE WELL DISTRIBUTED AND NOT IN A STRAIGHT LINE. AVOID USING A POINT THAT STRADDLES AN OVERLAID PIECE. RECORD ALL SIX MEASUREMENTS. THIS IS CALLED THE AVERAGE SPOT THICKNESS.

**DESIGN THICKNESS**

<b>T</b>
0.26

 IN

**MEASUREMENTS**

		% DES
<b>SPOT 1</b>	0.311	120%
<b>SPOT 2</b>	0.320	123%
<b>SPOT 3</b>	0.300	115%
<b>SPOT 4</b>	0.299	115%
<b>SPOT 5</b>	0.287	110%
<b>SPOT 6</b>	0.326	125%

**AVERAGE SPOT THICKNESS**

0.31
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 118%

**AVERAGE SPOT THICKNESS RESULTS**

THICKEST PART <= 120% THINNEST	OK	114%
THINNEST PART >= 90% DESIGN	OK	110%
AVERAGE OF SIX <= 125% DESIGN	OK	118%
AVERAGE OF SIX >= 95% DESIGN	OK	118%

**WORK CREW:****INSPECTOR'S COMMENTS:**