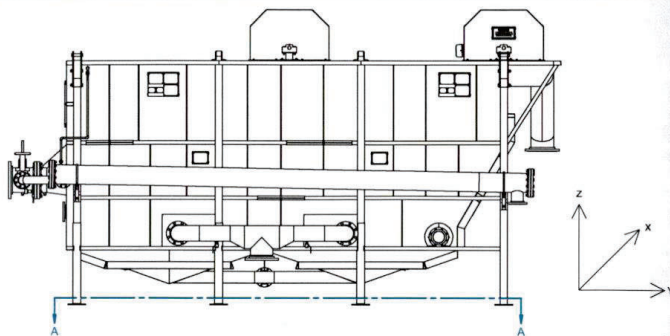
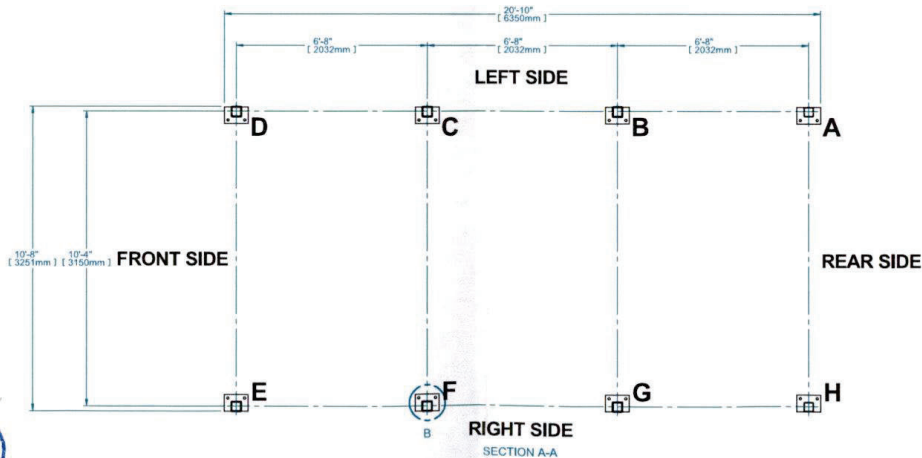
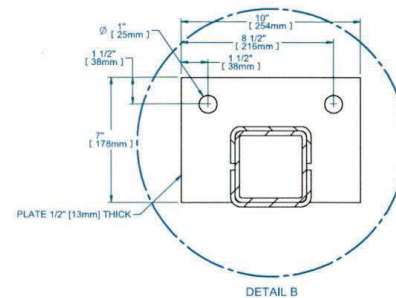




Support#	Dead Load (clarifier)			Fluid Load (water)			Earthquake load along x			Earthquake load along y			Earthquake vertical load		
	x	y	z	x	y	z	x	y	z	x	y	z	x	y	z
A	1	6	1 581	12	176	10 418	-1 963	-702	-1 015	-126	3 527	-2 999	2	27	1 812
B	-9	2	2 283	-1 423	-33	18 017	-6 227	-926	-5 040	-146	4 687	-2 115	-216	-5	3 066
C	-11	-11	1 956	-1 044	-131	14 567	-5 165	-957	-6 736	77	4 709	266	-159	-21	2 495
D	15	-17	1 742	-114	-653	13 782	-5 064	-910	-4 637	385	4 526	4 699	-15	-101	2 344
E	-19	-9	2 272	485	-502	14 316	-5 057	895	4 211	46	4 838	5 414	70	-77	2 505
F	-1	2	2 347	1 106	12	14 375	-4 966	953	6 596	-45	5 055	410	167	2	2 525
G	-10	14	2 709	1 354	120	18 028	-6 045	954	6 572	-125	5 040	-2 227	203	20	3 132
H	35	12	2 010	-48	302	10 583	-1 937	692	56	-65	3 751	-3 447	-2	47	1 901
Total:	0	0	16 900	327	-709	114 086	-36 422	0	0	0	36 133	0	49	-107	19 780

NOTE: All weights in pounds (lbs)



CERTIFIED DRAWING

By: H. Lessard
Date: March 8th, 2016

THESE DRAWINGS ARE THE PROPERTY OF PPM 350E. NO PART OF THESE DRAWINGS MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT THE WRITTEN PERMISSION OF PPM 350E.

FOUNDATION LAYOUT

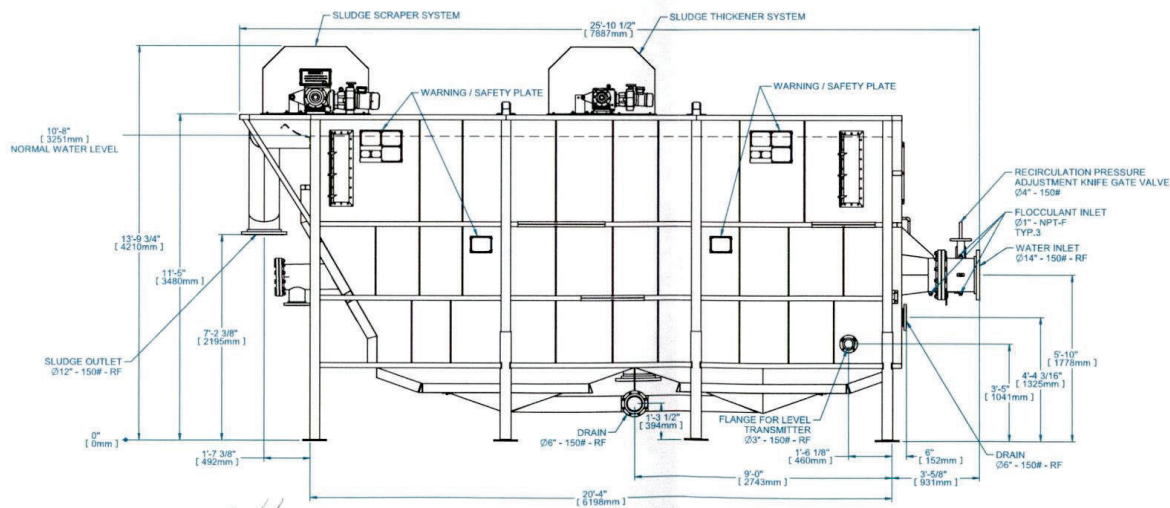
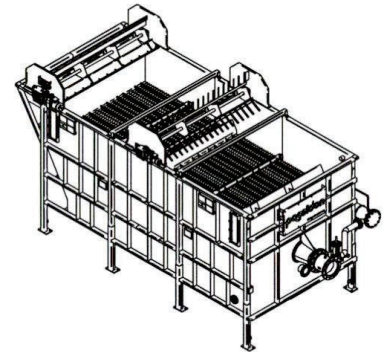
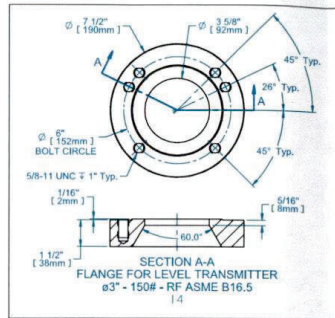
SECTION A-A

CLIENT: KTG USA, Memphis, TN USA
CUSTOMER: PPM 350E
DATE: 2015-11-13
DESIGNER: H. Lessard
CHECKER: J. Latouche
VER. PAR: H. Lessard
VER. BY: H. Lessard

NO	DATE	REVISION	DESIGNER	CHECKER
2	2016-03-08	TANK REINFORCEMENT	N.C.	H.L.
1	2016-01-29	FROM THE ROSEBUMP NOZZLE ORIENTATION	N.C.	H.L.
0	2015-11-13	FOR APPROVAL	GL	HL
NO	DATE	REVISION	DESIGNER	CHECKER
0	2015-11-13	FOR APPROVAL	GL	HL

POSEBON'S PATENT NUMBERS:
5,385,443 0,972,136 5,862,824 ZL96182773.9
0,723,476 ZL88003624 2,172,336 3331218
5,779,436 72725 5,814,885 18842
2,261,826 5,560,099 2,897,800-6 694,326
OTHER PATENTS PENDING

5555.D.01.03.0083.1H.dft



CERTIFIED DRAWING
By: H. Lessard
Date: March 8th, 2016

DESCRIPTION	REVISION
1. Initial design	1
2. Design changes	2
3. Design changes	3
4. Design changes	4
5. Design changes	5
6. Design changes	6
7. Design changes	7
8. Design changes	8
9. Design changes	9
10. Design changes	10

LEFT VIEW

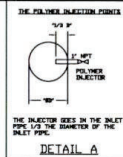


POSEIDON'S PATENT NUMBERS:	6,385,443	9,872,136	5,962,804	ZL98192773.9
	6,723,476	ZL98803624	3331219	
	5,779,459	72,215	5,814,885	18842
	2,281,828	5,565,099	2,867,805-6	694,308
				OTHER PATENTS PENDING

CLIENT: KTG USA, Memphis, TN USA	NO. PROJ: 5555-15
CUSTOMER: PPM 350E	DATE: 2015-11-05
TITLE: PPM 350E	DESIGNER: H. Lessard
DATE: 2015-11-05	SCALE: 1:30
DESIGNER: H. Lessard	FORMAT: C

NO.	DATE	REVISION	DESIGNER	VER.
2	2016-03-08	TANK REINFORCEMENT	N.C.	H.L.
1	2016-01-29	FROM THE POSEIDON PUMP NOZZLE ORIENTATION	N.C.	H.L.
0	2015-11-13	FOR APPROVAL	GL	HL

5555.D.01.03.0083.1C.dft



LEGEND

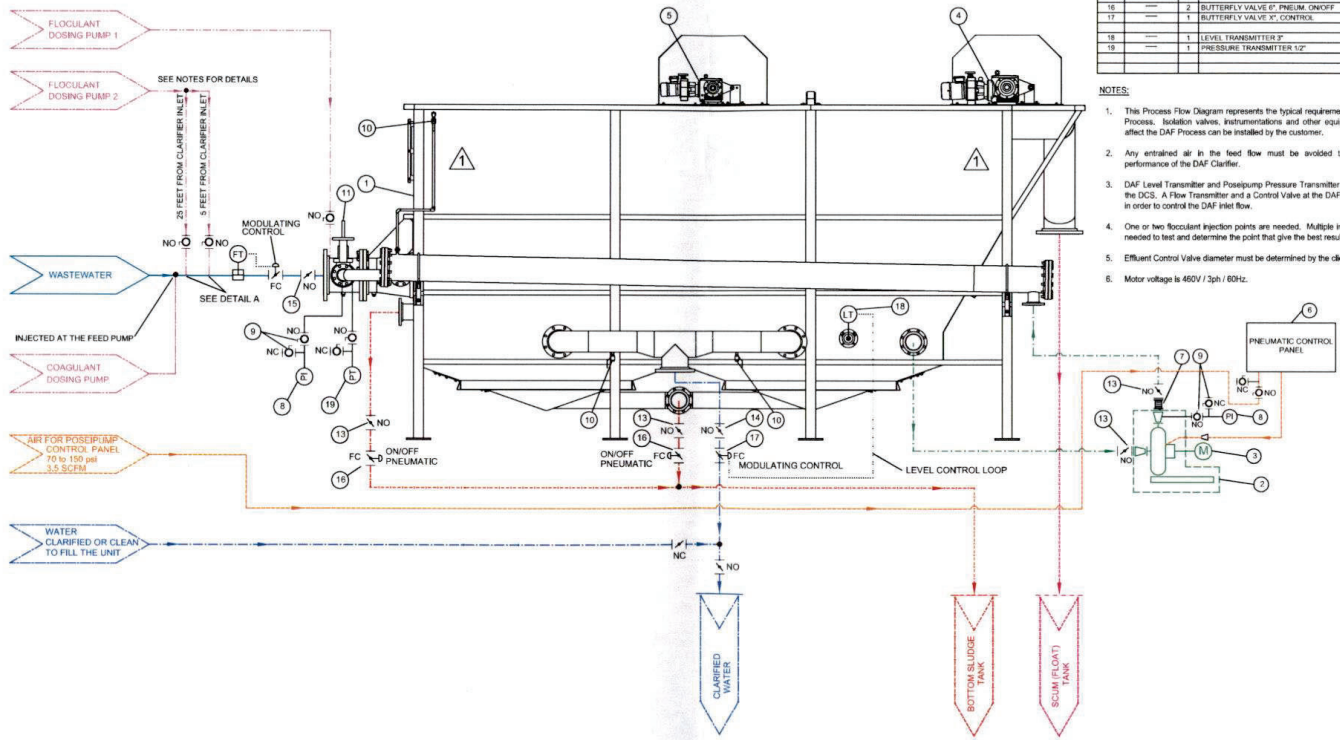
BLUE	CLARIFIED WATER
RED	BOTTOM SLUDGE/DRAINAGE
CYAN	WASTEWATER
BROWN	POLYMER
GREEN	RECIRCULATION
MAGENTA	SCUM (FLCAT)
ORANGE	GAS
WHITE	ELECTRICAL

LEGEND OF SYMBOLS

1	DAF CLAMP
2	PIPE REDUCER
3	CENTRIFUGAL PUMP ASSY (w/ base)
4	MOTOR
5	DAF VALVE
6	PRESSURE CONTROL VALVE
7	FLANK ASSEMBLY
8	FLOAT SWITCH

LISTE DE PIÉCES / PARTS LIST

NO.	QTY	DESCRIPTION	REVISION	DATE
1	1	DAF CLAMP	1	2015-11-13
2	1	PIPE REDUCER	1	2015-11-13
3	1	CENTRIFUGAL PUMP ASSY (w/ base)	1	2015-11-13
4	1	MOTOR	1	2015-11-13
5	1	DAF VALVE	1	2015-11-13
6	1	PRESSURE CONTROL VALVE	1	2015-11-13
7	1	FLANK ASSEMBLY	1	2015-11-13
8	1	FLOAT SWITCH	1	2015-11-13
9	1	DAF VALVE	1	2015-11-13
10	1	DAF VALVE	1	2015-11-13
11	1	DAF VALVE	1	2015-11-13
12	1	DAF VALVE	1	2015-11-13
13	1	DAF VALVE	1	2015-11-13
14	1	DAF VALVE	1	2015-11-13
15	1	DAF VALVE	1	2015-11-13
16	1	DAF VALVE	1	2015-11-13
17	1	DAF VALVE	1	2015-11-13
18	1	DAF VALVE	1	2015-11-13
19	1	DAF VALVE	1	2015-11-13



- NOTES:**
- This Process Flow Diagram represents the typical requirement for the Clarifier Process. Isolation valves, instrumentation and other equipments that don't affect the DAF Process can be installed by the customer.
 - Any entrained air in the feed flow must be avoided to ensure proper performance of the DAF Clarifier.
 - DAF Level Transmitter and Posepump Pressure Transmitter must be linked to the DCS. A Flow Transmitter and a Control Valve at the DAF Inlet can be used in order to control the DAF inlet flow.
 - One or two floculant injection points are needed. Multiple injection points are needed to test and determine the point that gives the best results.
 - Effluent Control Valve diameter must be determined by the client.
 - Motor voltage is 480V / 3ph / 60Hz.



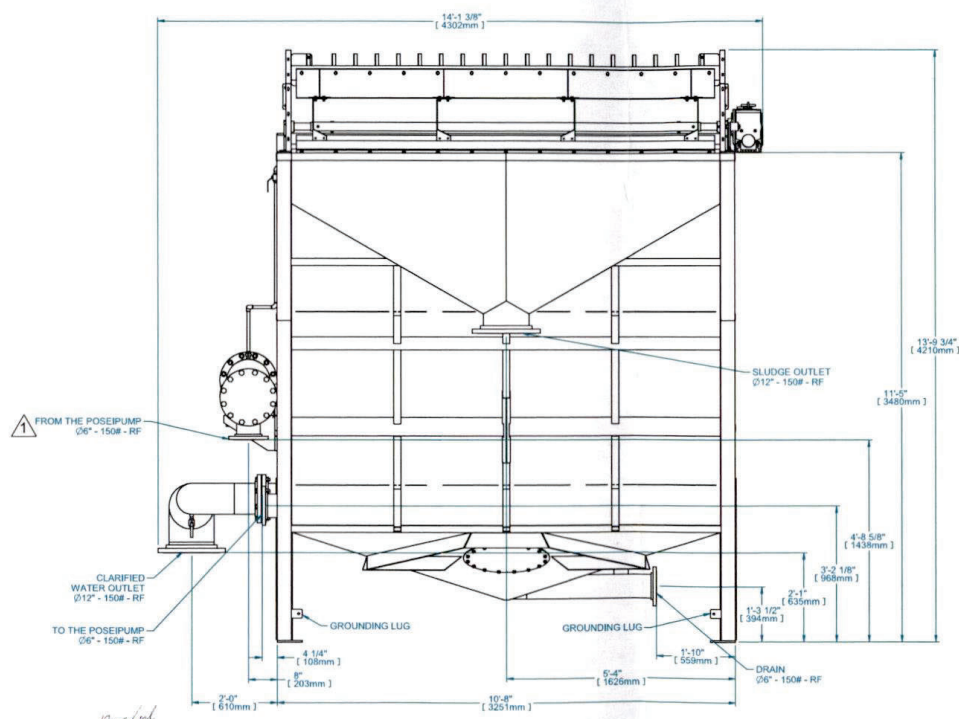
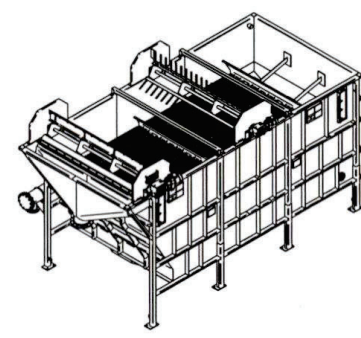
CERTIFIED DRAWING
 By: **H. Lessard**
 Date: **January 29th, 2016**

REVISIONS

NO.	DATE	DESCRIPTION
1	2015-11-13	Initial Release



CLIENT:	KTG USA, Memphis TN USA	NO. PROJ:	5555-15	1	2016-01-29	WINDOWS LOCATION	N.C.	H.L.
CUSTOMER:	Process flow diagram (PFD)	PROJ. NO.:	5555-15	0	2015-11-13	FOR APPROVAL	H.L.	H.L.
TITLE:	PPM 350E	DATE:	2015-11-13	NO	DATE	REVISION	JESS	VER.
DESIGNER:	N. Charter	SCALE:	N.T.S.	DESIGN NO.:	5555.D.01.03.0083.1L			
DRAWN BY:	H. Lessard	FORMAT:	C					



CERTIFIED DRAWING
 By: H. Lessard
 Date: March 8th, 2016

PROPOSED DIMENSIONS:
 1" = 1" (1:1)
 1/4" = 1/4" (1:1)
 1/2" = 1/2" (1:1)
 3/4" = 3/4" (1:1)
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 74 1/2" = 74 1/2" (1:1)
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 100 1/2" = 100 1/2" (1:1)
 100 3/4" = 100 3/4" (1:1)

REAR VIEW

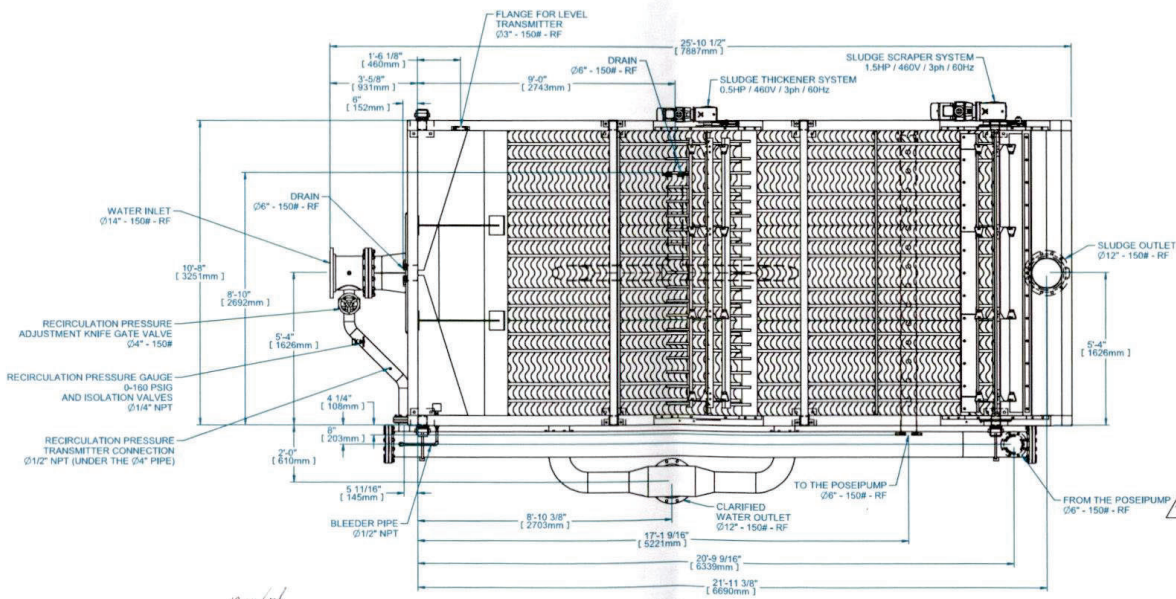
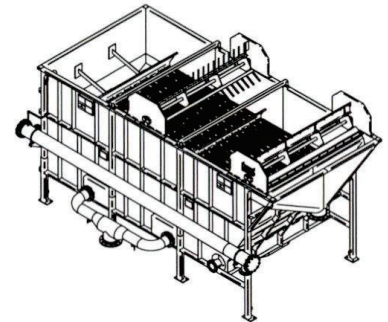


CLIENT: KTG USA, Memphis, TN USA
 CUSTOMER: PPM 350E
 TITLE: TANK REINFORCEMENT
 DATE: 2015-11-05
 DESIGNED BY: H. Lessard
 CHECKED BY: H. Lessard
 VER. BY: H. Lessard

NO	DATE	REVISION	DESIGN NO.
1	2015-11-13	FOR APPROVAL	5555.D.01.03.0083.1B.dft
2	2016-03-08	TANK REINFORCEMENT	
3	2016-01-29	FROM THE POSEPUMP NOZZLE ORIENTATION	

POSEIDON'S PATENT NUMBERS:	5,385,443	5,972,136	5,982,804	7,901,827.5
	6,723,474	7,980,304	8,331,218	8,331,218
	5,778,456	7,272,15	8,384,885	8,384,885
	2,281,826	5,360,099	2,907,800-6	894,326

OTHER PATENTS PENDING



CERTIFIED DRAWING
By: H. Lessard
Date: March 8th, 2016

THE POSSEIDON SYSTEMS, INC.
1100 S. 10th St.
Memphis, TN 38158
901.591.1000
www.possidon.com
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TOP VIEW



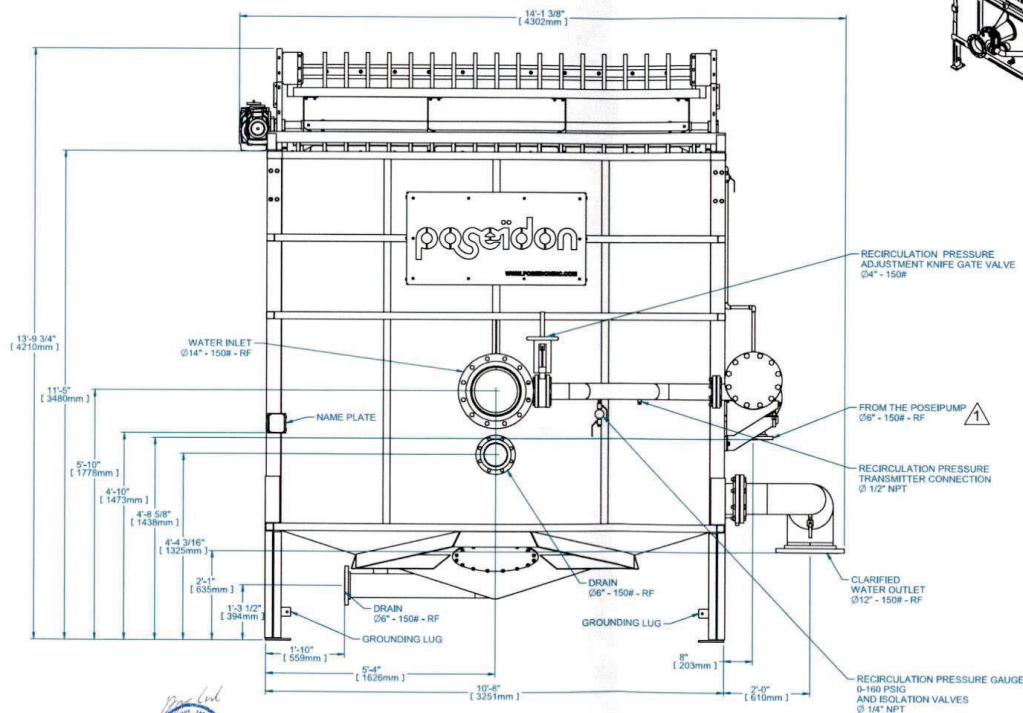
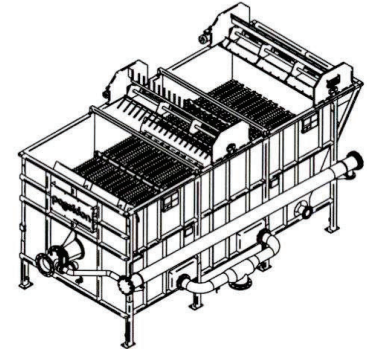
CLIENT: KTG USA, Memphis, TN USA
CUSTOMER: PPM 350E
DATE: 2015-11-13
DESIGNER: H. Lessard
CHECKED BY: H. Lessard
DATE: 2015-11-13

NO.	DATE	REVISION	DESIGNER	CHECKED BY
1	2016-01-29	FROM THE POSSEIDON NOZZLE ORIENTATION	N.C.	H.L.
2	2016-03-08	TANK REINFORCEMENT	N.C.	H.L.
3	2016-01-29	FOR APPROVAL	GL	HL
4	2015-11-13	REVISION	DESS	VER

POSSEIDON'S PATENT NUMBERS:	5,365,443	9,872,136	5,962,804	21,961,927,73.9
	0,733,476	21,980,324	2,172,338	33,312,16
	5,79,439	72,215	5,814,885	18,842
	2,281,826	5,960,099	2,607,805-6	694,328

OTHER PATENTS PENDING

5555.D.01.03.0083.1E.dft



POSEIDON A division of Degremont, SUEZ ENVIRONNEMENT Group

EQUIPMENT #:
EQUIPMENT NAME: DAF Clarifier
MODEL: PPM-350E
SERIAL NUMBER: 5555-151022-PPM350E
CLIENT: KTG USA
Memphis, TN, USA
P.O. NUMBER: 4501346932
WEIGHT EMPTY: 16 000 lb / 7 257 kg
CAPACITY OPERATING: 12 800 gal / 48.5 m³
DESIGN SPECIFIC GRAVITY: 1.0
HYDROSTATIC TEST PRESSURE: Design liquid level
DESIGN PRESSURE: Atmospheric
DESIGN LIQUID LEVEL: 10'-1\"/>

NAME PLATE
4-1/4\"/>

FRONT VIEW

CERTIFIED DRAWING

By: **H. Lessard**

Date: **March 8th, 2016**

DATE	DESCRIPTION
2016-03-08	TANK REINFORCEMENT
2016-01-29	FROM THE POSEIDON NOZZLE ORIENTATION
2015-11-13	FOR APPROVAL
2015-11-05	REVISION



CLIENT: KTG USA, Memphis, TN USA
TITLE: PPM 350E
DATE: 2015-11-05
DESIGNER: H. Lessard
CHECKED BY: H. Lessard

DATE	DESCRIPTION	DESIGNER	CHECKED BY
2016-03-08	TANK REINFORCEMENT	N.C.	H.L.
2016-01-29	FROM THE POSEIDON NOZZLE ORIENTATION	N.C.	H.L.
2015-11-13	FOR APPROVAL	G.L.	H.L.
2015-11-05	REVISION	DESIGNER	VER.

POSEIDON'S PATENT NUMBERS:	5 365 443	0 972 136	5 962 804	21 981 927 773.9
	0 723 476	21 986 036 24	2 172 336	33 312 16
	5 776 439	72 7219	0 814 886	18 642
	2 281 826	5 565 099	2 907 806-6	694 326



5555.D.01.03.0083.1A.dft