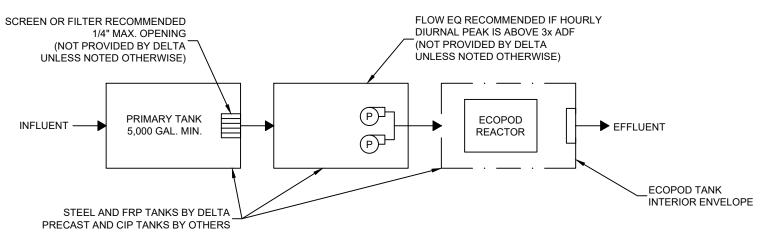
- GENERAL NOTES 1. THE DRAWINGS DEPICTED HEREIN REPRESENT PRELIMINARY LAYOUTS OF A WASTEWATER TREATMENT SYSTEM CAPABLE OF TREATING THE DOMESTIC WASTE CONSTITUENTS NOTED

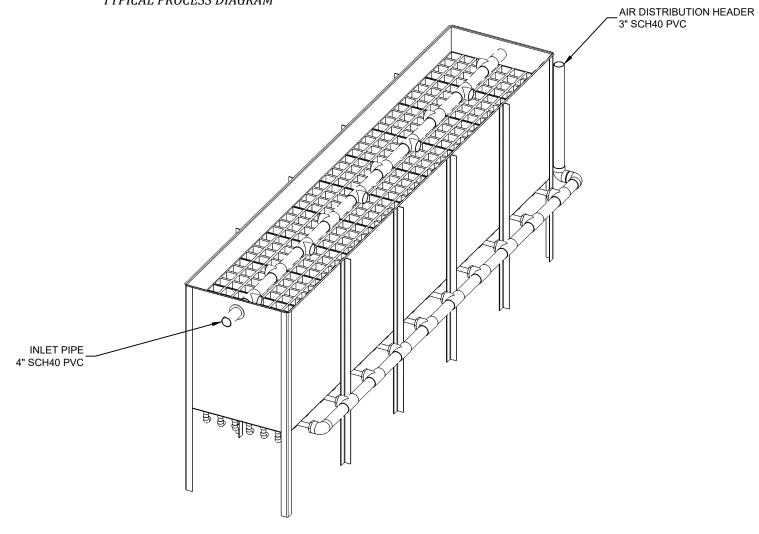
- TREATMENT SYSTEM CAPABLE OF TREATING THE DOMESTIC WASTE CONSTITUENTS NOTED IN TABLE 1.
 ECOPOD REACTOR BOX SHALL BE CONSTRUCTED OF AISI 304/304L STAINLESS STEEL.
 TANK MATERIAL OPTIONS:
 3.1. CARBON STEEL PER ASTM A36 w/COATING PER DELTA STANDARDS,
 3.2. FIBERGLASS REINFORCED PLASTIC (FRP) (NOT ALL MODELS),
 3.3. PRECAST CONCRETE PER ENGINEER OF RECORD REQUIREMENTS, BY OTHERS,
 3.4. CASTI-N-PLACE CONCRETE PER ENGINEER OF RECORD REQUIREMENTS, BY OTHERS,
 BLOWERS, WEIRS, CONTROL PANELS, AND VARIOUS SMALL PARTS WILL BE SHIPPED UNASSEMBLED AND SECURELY PACKAGED, TO BE INSTALLED BY CONTRACTOR.
 SEE INSTALLATION GUIDE FOR INSTALLATION DETAILS.
 CONTACT AN IWT/DELTA REPRESENTATIVE REGARDING DEVIATIONS FROM THESE STANDARDS.

TABLE 1 PROCESS PARAMETERS DELTA E1000D BODY ONLY					
PARAMETER	MINIMUM	MAXIMUM			
AVERAGE DAILY FLOW	-	10,000 GPD			
PEAK DAILY FLOW	-	15,000 GPD			
INFLUENT BOD ₅	-	25 LB/DAY			
AIR TEMPERATURE	-	115 ºF			
WATER TEMPERATURE	68 °F	68 °F			
RELATIVE HUMIDITY	10%	90%			
SITE ELEVATION	0 FT AMSL	3,000 FT AMSL			

PARAMETER	UP TO 1,000 FT AMSL	1,000 TO 3,000 FT AMSL			
STANDARD AIRFLOW	121 SCFM	141 SCFM			
SITE AIR REQUIREMENT	137 ICFM	170 ICFM			
BLOWER INLET AIR	169 ICFM	169 ICFM			
AIR HEADER SIZE	3 IN	3 IN 69.5 IN ² 2 EA 8" OR 1 EA 10" FPZ SCL K06-MS ³ 64.8 dB(A) 32 F (17.8 C)			
MIN. TANK VENT X-SECT. AREA	69.5 IN ² 2 EA 8" OR 1 EA 10"				
BLOWER SELECTION	FPZ SCL K06-MS				
NOISE LEVEL	73.3 dB(A)				
AIR TEMPERATURE RISE ¹	32 F (17.8 C)				
BLOWER INLET DIAMETER	2 IN NPT	2 IN NPT			
BLOWER OUTLET DIAMETER	2 IN NPT	2 IN NPT			
MOTOR POWER RATING ²	4 HP	4 HP			
OPERATING POWER	2.6 KW	2.6 KW			



TYPICAL PROCESS DIAGRAM



ECOPOD REACTOR LAYOUT 1

NO	DATE	INITIALS	DESCRIPTION				
A	10/12/21	AOB	ADDED TRIMETRIC VIEW		DELTA ECOPOD E1000D	HORIZ. SCALE	PROJECT NO.
				Delta Delta Treatment Systems, LLC		N/A	N/A
				delta Delta Treatment Systems, LLC	STANDARD DESIGN FOR BOD REDUCTION	VERT. SCALE	DATE
				treatment systems		N/A	02/11/2021
				An infiltrator Water Technologies Company		DRAWN BY	DESIGNED BY
				COPYRIGHT (C) 2021 DELTA TREATMENT SYSTEMS, LLC (DTS). INFORMATION CONTAINED HEREIN IS CONFIDENTIAL AND IS THE PROPERTY	GENERAL ARRANGEMENT	CGK	AOB
				OF DTS. NO PART OF THIS DRAWING SHALL BE REPRODUCED, DISTRIBUTED, DISCLOSED, OR USED BY ANY PERSON OR ORGANIZATION, IN	GENERAL ARRANGEMENT	DRAWING NO.	SHEET NO.
				WHOLE OR IN PART, WITHOUT THE PRIOR WRITTEN PERMISSION OF DTS. THIS INFORMATION IS BASED ON SPECIFIC INPUT PARAMETERS AND IS FOR BUDGETARY OR PRELIMINARY USE ONLY. USE AND INTERPRETATION OF THIS INFORMATION AND DETERMINING THE	DESIGN OVERVIEW		01 of 02
				APPLICABILITY TO A SPECIFIC PROJECT IS AT THE SOLE DISCRETION OF THE USER AND/OR THE ENGINEER OF RECORD.	DESIGN OVERVIEW	C1.0	01 of 02
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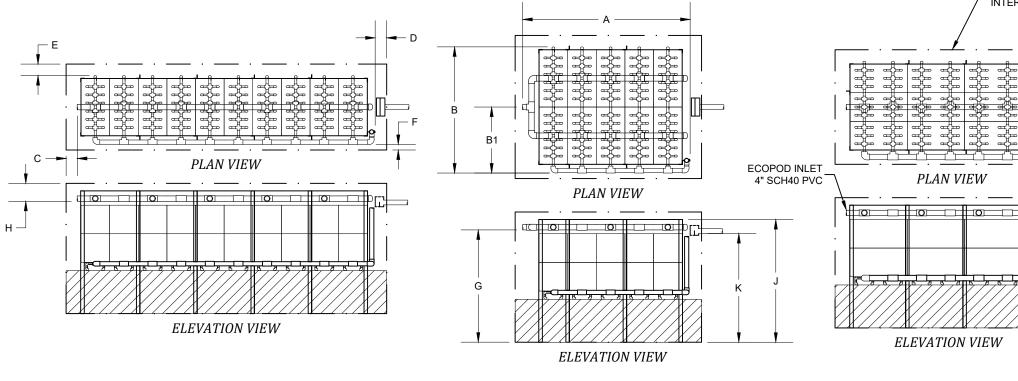
TABLE 3 STANDARD EQUIPMENT LIST					
DESCRIPTION	QTY	MAKE	MODEL		
ECOPOD REACTOR	1	DELTA	E1000D		
BLOWER	1	FPZ	PER TABLE 2		
CONTROL PANEL	1	DELTA	PER DESIGN		
24" S.S. EFFLUENT WEIR 1 DELTA TROUGH-3.0					

- GENERAL NOTES
 ECOPOD REACTOR BOX SHALL BE CONSTRUCTED OF AISI 304/304L STAINLESS STEEL.
 TANK MATERIAL OPTIONS:

 CARBON STEEL PER ASTM A36 w/COATING PER DELTA STANDARDS,
 FIBERGLASS REINFORCED PLASTIC (FRP) (NOT ALL MODELS),
 PRECAST CONCRETE PER ENGINEER OF RECORD REQUIREMENTS, BY OTHERS,
 CAST-IN-PLACE CONCRETE PER ENGINEER OF RECORD REQUIREMENTS, BY OTHERS.

 SEE INSTALLATION GUIDE FOR INSTALLATION DETAILS.
 CONTACT AN INT/DELTA REPRESENTATIVE REGARDING DEVIATIONS FROM THESE STANDARDS.





LAYOUT 1

LAYOUT 2

LAYOUT 3

NO. DATE	E INITIALS	Dolta Treatment Systems IIC	ECOPOD E1000D SIGN FOR BOD REDUCTION	PROJECT NO. N/A DATE 05/19/2021 DESIGNED BY
		WHOLE ON IN DART WITHOUT THE DRIVING WRITTEN DEPAILSION OF DTS THIS INFORMATION IS RESENON SECURICIDUIT DARAMETERS	AL ARRANGEMENT UT DIMENSIONS	AOB SHEET NO. 02 of 02

TABLE 4 MINIMUM ECOPOD REACTOR DIMENSIONS										
ELE	VATION	ATION LAYOUT REACTOR A ID WEIGHT DVERALL LENGTH		B OVERALL A WIDTH		AIR H	B1 NR HEADER CL DIM			
	М		LB	KG	IN	CM	IN	CM	IN	CM
0	0-914	1	2,480	1,130	250	635	59	150	32	82
0	0-914	2	2,070	940	141	359	107	272	56	143
0	0-914	3	2,230	1,010	178	453	83	211	44	112
REACTOR LAYOUTS NOT AVAILABLE IN FIBERGLASS TANKS. CONTACT AN IWT/DELTA REPRESENTATIVE FOR DETAILS.										

TABLE 5 RECOMMENDED ECOPOD TANK INTERIOR ENVELOPE DIMENSIONS					
DIMENSION IN CM					
C VESSEL FRONT SPACE	12	30			
D VESSEL REAR SPACE	18	46			
E AIR HEADER SIDE INSIDE SPACE	6	15			
F NO HEADER SIDE INSIDE 6 15 SPACE 6 15					
1: ADDITIONAL ACCESS HATCHES RECOMMENDED					

FOR SOLIDS REMOVAL ALONG VESSEL SIDES.

TABLE 6

ECOPOD TANK

4" NPT THD. ADPT. REQ'D AT WEIR CONN. BY OTHERS	REQ INTERI
	DIMEN
	G INLET IN H
	PLENUM SPA INLET IN
AIR DISTRIBUTION HEADER	MEDIA REACT K OUTLET I 1. ONE (1 EA.) ACCESS HAT
4" OUTLET PIPE BY SLOPE PER CODE	OTHERS
36" MAXIMUM SOLID ACCUMULATION DE	

REQUIRED ECOPOD TANK INTERIOR ENVELOPE MINIMUM DIMENSIONS					
DIMENSION	IN	СМ			
G INLET INVERT	92	234			
H PLENUM SPACE ABOVE INLET INVERT	10	25			
J MEDIA REACTOR HEIGHT	101	257			
K OUTLET INVERT	89	226			
1. ONE (1 EA.) INLET AND ONE (1 EA.) OUTLET ACCESS HATCH REQUIRED, 24" DIA MINIMUM.					