- GENERAL NOTES

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

- 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. CAST-IN-PLACE CONCRETE PER ENGINEER OF RECORD REQUIREMENTS, BY OTHERS,

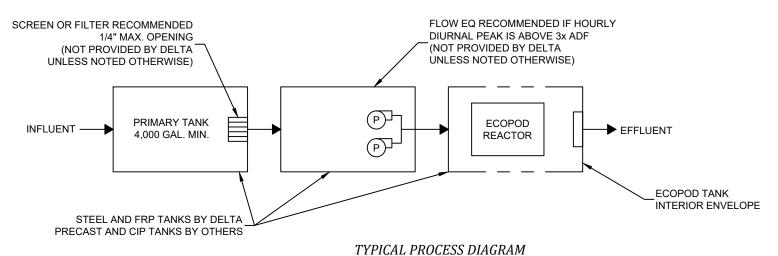
 BLOWERS, WEIRS, CONTROL PANELS, AND VARIOUS SMALL PARTS WILL BE SHIPPED UNASSEMBLED AND SECURELY PACKAGED, TO BE INSTALLED BY CONTRACTOR.

 SEE INSTALLATION GUIDE FOR INSTALLATION DETAILS.

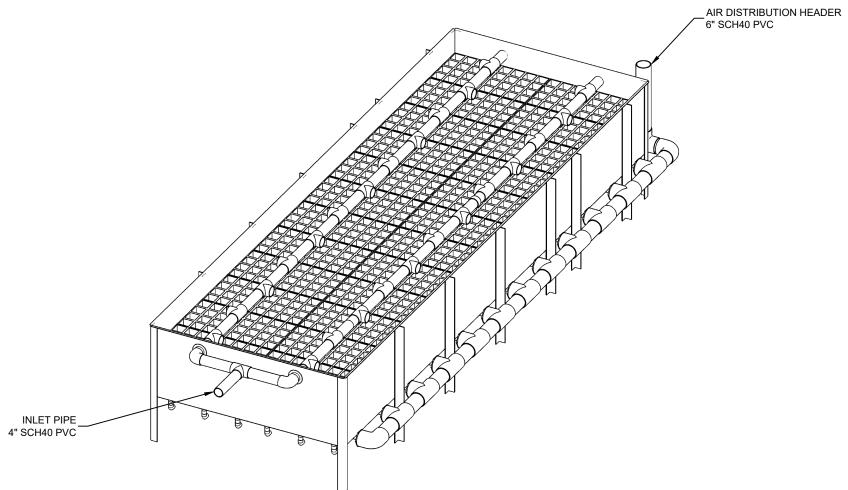
 CONTACT AN IWT/DELTA REPRESENTATIVE REGARDING DEVIATIONS FROM THESE STANDARDS.

TABLE 1 PROCESS PARAMETERS DELTA E800S BOD+NITRIFICATION			
PARAMETER	MINIMUM	MAXIMUM	
AVERAGE DAILY FLOW	-	8,000 GPD	
PEAK DAILY FLOW	-	12,000 GPD	
INFLUENT BOD₅	-	20 LB/DAY	
AIR TEMPERATURE	-	115 °F	
WATER TEMPERATURE	68 °F	68 °F	
RELATIVE HUMIDITY	10%	90%	
SITE ELEVATION	0 FT AMSL	3,000 FT AMSL	

1,000 FT AMSL 332 SCFM 374 ICFM 374 ICFM 6 IN	1,000 TO 3,000 FT AMSL 387 SCFM 465 ICFM 465 ICFM 6 IN
374 ICFM 374 ICFM 6 IN	465 ICFM 465 ICFM 6 IN
374 ICFM 6 IN	465 ICFM 6 IN
6 IN	6 IN
154 IN ² 10" OR 1 EA 14"	191 IN ² 2 EA 12" OR 1 EA 16"
SUTORBILT 4L	G-D SUTORBILT 4L
SURE DEPENDENT	ENCLOSURE DEPENDENT
22 F (12.2 C)	20 F (11.1 C)
3 IN NPT	3 IN NPT
3 IN NPT	3 IN NPT
5 HP	7.5 HP
2.9 KW	3.5 KW
2	3 IN NPT 5 HP







ECOPOD REACTOR LAYOUT 2

NO.	DATE	INITIALS	DESCRIPTION		
Α	10/12/21	AOB	ADDED TRIMETRIC VIEW		
				Delta Treatment Systems, LLC	
				Delta Treatment Systems, ELC	
				treatment systems An Infilitator Water Technologies Company	
				An initiation Water Technologies Company	
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				APPLICABILITY TO A SPECIFIC PROJECT IS AT THE SOLE DISCRETION OF THE USER AND/OR THE ENGINEER OF RECORD.	



DELTA ECOPOD E800S-N		
STANDARD DESIGN FOR BOD AND NITRIFICATION		
GENERAL ARRANGEMENT		

DESIGN OVERVIEW

HORIZ. SCALE	PROJECT NO.
N/A	N/A
VERT. SCALE	DATE
N/A	02/11/2021
DRAWN BY	DESIGNED BY
CGK	AOB
DRAWING NO.	SHEET NO.
C1.0	01 of 02

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

B1

G

PLAN VIEW

ELEVATION VIEW

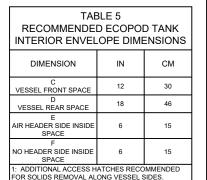
2.4. CAST-IN-PLACE CONCRETE PER ENGINEER OF RECORD REQUIREMENTS, BY OTHERS.
 3. SEE INSTALLATION GUIDE FOR INSTALLATION DETAILS.
 4. CONTACT AN IWT/DELTA REPRESENTATIVE REGARDING DEVIATIONS FROM THESE STANDARDS.

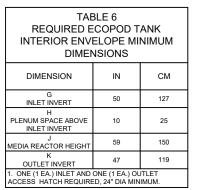
TABLE 4 MINIMUM ECOPOD REACTOR DIMENSIONS

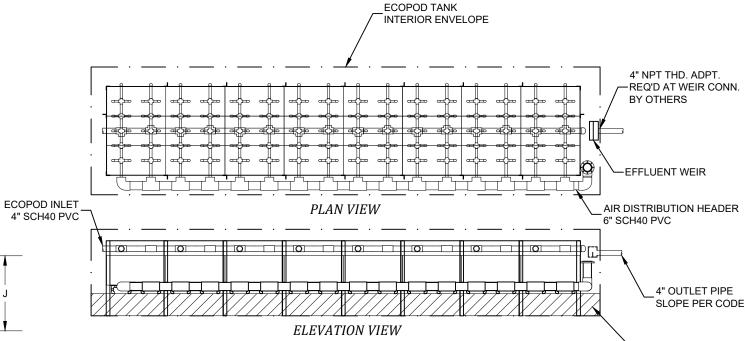
AIR HEADER SITE ELEVATION LAYOUT OVERALL OVERALL LENGTH WIDTH CL DIM KG IN CM СМ CM 0-3.000 0-914 2,660 1,210 314 798 113 288 62 158 0-3,000 0-914 2,860 1,298 399 1,014 89 227 50 127

SOME REACTOR LAYOUTS NOT AVAILABLE IN FIBERGLASS TANKS. CONTACT AN IWT/DELTA REPRESENTATIVE FOR DETAILS.

18" MAXIMUM SOLIDS ACCUMULATION DEPTH







LAYOUT 2 LAYOUT 3

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Delta Treatment Systems, LLC

DELTA ECOPOD E800S-N STANDARD DESIGN FOR BOD AND NITRIFICATION

> **GENERAL ARRANGEMENT** LAYOUT DIMENSIONS

HORIZ. SCALE	PROJECT NO.
N/A	N/A
VERT. SCALE	DATE
N/A	05/19/2021
DRAWN BY	DESIGNED BY
CGK	AOB
DRAWING NO.	SHEET NO.
C1.1	02 of 02