GENERAL ARRANGEMENT NOTES
1. THE DRAWINGS DEPICTED HEREIN REPRESENT PRELIMINARY LAYOUT(S) OF A WASTEWATER TREATMENT SYSTEM CAPABLE OF TREATING THE DOMESTIC WASTE CONSTITUENTS NOTED IN TABLE 1.
2. THE EQUIPMENT ARRANGEMENT/LAYOUT IS SCHEMATIC IN NATURE AND SOME OBJECTS MAY NOT BE DRAWN TO SCALE. REFER TO THE ENGINEER-OF-RECORD PROJECT DOCUMENTS FOR FINAL SITE AND/OR EQUIPMENT ARRANGEMENT.
3. PACKAGE TREATMENT SYSTEM TANK BASINS SHALL BE FABRICATED FROM STRUCTURAL GRADE STEEL PLATE PER ASTM A36 REQUIREMENTS. STRUCTURAL SHAPES SHALL BE PER AISC PREFERRED MATERIAL SPECIFICATION.
4. BLOWERS, WEIRS, CONTROL PANELS, AND VARIOUS SMALL PARTS SHALL BE SHIPPED UNASSEMBLED AND SECURELY PACKAGED, TO BE INSTALLED BY CONTRACTOR. REFER TO MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR ADDITIONAL DETAIL.
5. CONTRACTOR TO PROVIDE AND INSTALL ALL FIELD PIPING AND SECURE ALL EQUIPMENT CONNECTIONS AS SHOWN IN THE ENGINEER OF RECORD'S PROJECT DOCUMENTS.
6. INTERNAL DEVICES SHALL BE INSTALLED PLUMB AND LEVEL.
7. CONTACT AN INFILTRATOR/DELTA REPRESENTATIVE REGARDING DEVIATIONS FROM THESE STANDARDS.

TABLE 1
PROCESS PARAMETERS

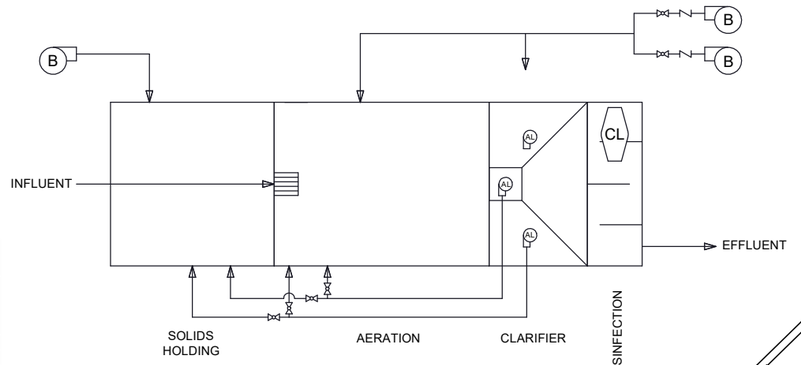
MODEL	AVG. DAILY FLOW		PEAK DAILY FLOW (PDF)	PEAK HOURLY FLOW (PHF)	INFLUENT BOD	AIR TEMP.	WATER TEMP.		RELATIVE HUMIDITY		SITE ELEV.
	MIN	MAX	MAX	MAX	MAX	MAX	MIN	MAX	MIN	MAX	MAX
A-0.5	250 (GPD)	750 (GPD)	1,000 (GPD)	2,000 (GPD)	0.8 (LB/D)	115 °F	68 °F	90 °F	10 %	90 %	1,000 FT
A-1.0	500 (GPD)	1,500 (GPD)	2,000 (GPD)	4,000 (GPD)	1.7 (LB/D)	115 °F	68 °F	90 °F	10 %	90 %	1,000 FT
A-1.5	750 (GPD)	2,250 (GPD)	3,000 (GPD)	6,000 (GPD)	2.5 (LB/D)	115 °F	68 °F	90 °F	10 %	90 %	1,000 FT
A-2.0	1,000 (GPD)	3,000 (GPD)	4,000 (GPD)	8,000 (GPD)	3.3 (LB/D)	115 °F	68 °F	90 °F	10 %	90 %	1,000 FT
A-3.0	1,500 (GPD)	4,500 (GPD)	6,000 (GPD)	12,000 (GPD)	5 (LB/D)	115 °F	68 °F	90 °F	10 %	90 %	1,000 FT
A-4.0	2,000 (GPD)	6,000 (GPD)	8,000 (GPD)	16,000 (GPD)	6.7 (LB/D)	115 °F	68 °F	90 °F	10 %	90 %	1,000 FT
A-5.0	2,500 (GPD)	7,500 (GPD)	10,000 (GPD)	20,000 (GPD)	8.3 (LB/D)	115 °F	68 °F	90 °F	10 %	90 %	1,000 FT
A-6.0	3,000 (GPD)	9,000 (GPD)	12,000 (GPD)	24,000 (GPD)	10 (LB/D)	115 °F	68 °F	90 °F	10 %	90 %	1,000 FT
A-7.0	3,500 (GPD)	10,500 (GPD)	14,000 (GPD)	28,000 (GPD)	11.7 (LB/D)	115 °F	68 °F	90 °F	10 %	90 %	1,000 FT

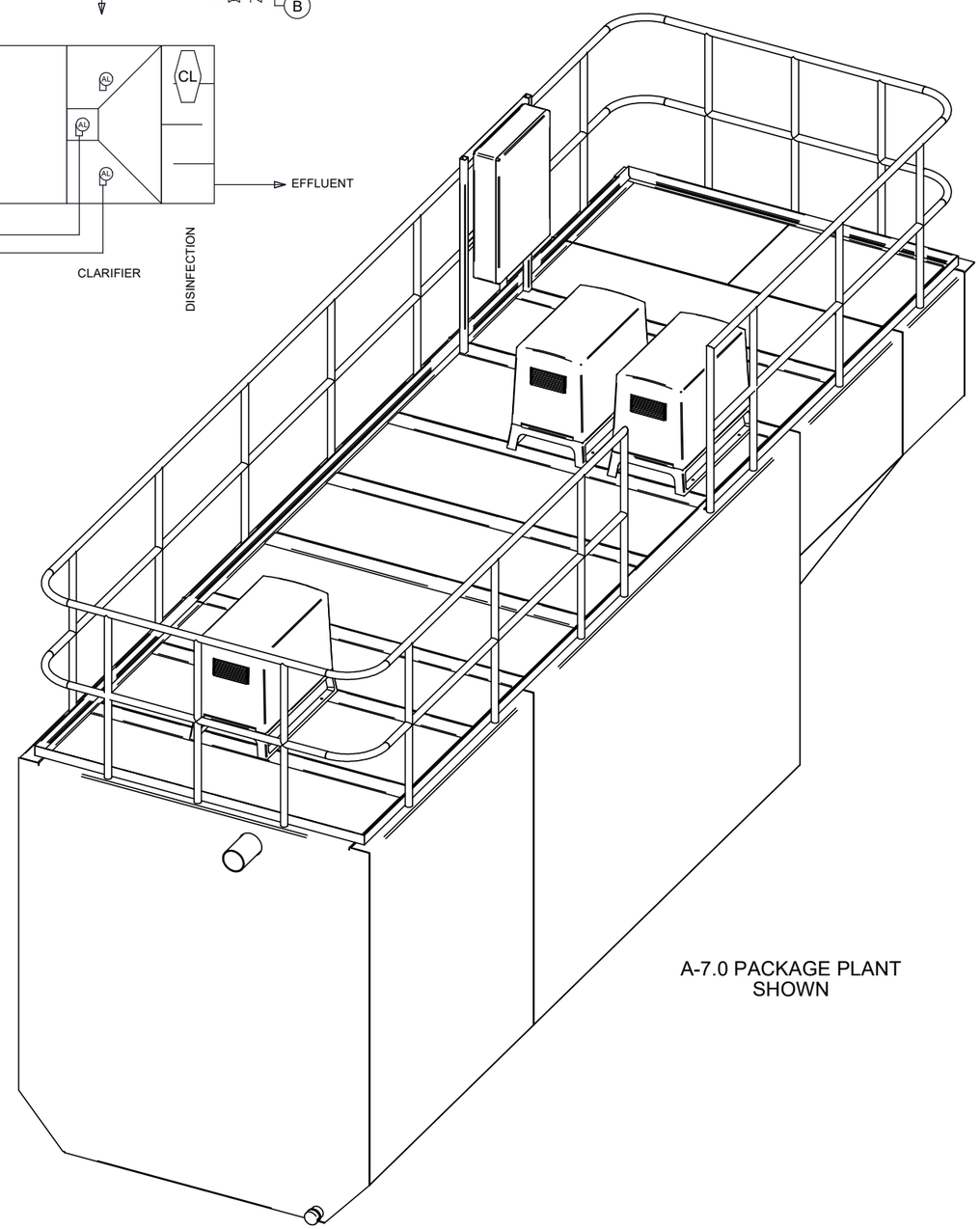
TABLE 2
AIR DEMAND

PARAMETER	A-0.5	A-1.0	A-1.5	A-2.0	A-3.0	A-4.0	A-5.0	A-6.0	A-7.0
STANDARD AIRFLOW	32 SCFM	37 SCFM	40 SCFM	42 SCFM	50 SCFM	57 SCFM	64 SCFM	70 SCFM	77 SCFM
SITE AIR REQ.	36 ICFM	42 ICFM	45 ICFM	48 ICFM	56 ICFM	64 ICFM	72 ICFM	79 ICFM	86 ICFM
BLOWER INLET AIR	36 ICFM	42 ICFM	45 ICFM	48 ICFM	56 ICFM	64 ICFM	72 ICFM	79 ICFM	86 ICFM
AIR HEADER SIZE	1"	1"	1"	1"	2"	2"	2"	2"	2"
BLOWER SELECTION	G-D	G-D	G-D	G-D	G-D	G-D	G-D	G-D	G-D
BLOWER MODEL	2M	2M	2M	2M	3M	3M	3M	3M	3M
NOISE LEVEL	79 dB(A)	81 dB(A)	82 dB(A)	83 dB(A)	77 dB(A)	77 dB(A)	78 dB(A)	79 dB(A)	79 dB(A)
AIR TEMP. RISE	53 ° F	50 ° F	59 ° F	65 ° F	77 ° F	77 ° F	74 ° F	77 ° F	77 ° F
BLOWER INLET DIAMETER	1" NPT	1" NPT	1" NPT	1" NPT	2" NPT	2" NPT	2" NPT	2" NPT	2" NPT
BLOWER OUTLET DIAMETER	1" NPT	1" NPT	1" NPT	1" NPT	2" NPT	2" NPT	2" NPT	2" NPT	2" NPT
MOTOR SELECTION	1.5 HP	1.5 HP	1.5 HP	2 HP	3 HP	3 HP	3 HP	3 HP	5 HP
OPERATING POWER	0.67 kW	0.75 kW	0.97 kW	1.1 kW	1.5 kW	1.7 kW	1.8 kW	2.1 kW	2.2 kW
STARTING CURRENT	108/54.2 A @ 115/230V 1-PH 60HZ 37/18.5 A @ 230/460 V 3-PH 60HZ			127/63.5 A @ 115/230 V 1-PH 60HZ 41/20.5 A @ 230/460 V 3-PH 60HZ	218/109 A @ 115/230 V 1-PH 60HZ 64/32 A @ 230/460 V 3-PH 60HZ				133.5 A @ 230 V 1-PH 60HZ 92.0/46.0 A @ 230/460 V 3-PH 60HZ
FULL LOAD CURRENT	7.1/7.3 A @ 115/230 V 1-PH 60HZ 4.8/2.4 A @ 230/460 V 3-PH 60HZ			18.8/9.4 A @ 115/230 V 1-PH 60HZ 5.0/2.5 A @ 230/460 V 3-PH 60HZ	15.0/14.0 A @ 115/230 V 1-PH 60HZ 8.3/4.2 A @ 230/460 V 3-PH 60HZ				19.5 A @ 230 V 1-PH 60HZ 14.0/7.0 A @ 230/460 V 3-PH 60HZ

TABLE 3
STANDARD EQUIPMENT LIST

MODEL	MAIN AIR BLOWER			AERATION BASIN DIFFUSERS			SOLIDS MIXING BLOWER			SOLIDS MIXING DIFFUSERS			CHLORINE TABLET FEEDER			CONTROL PANEL		
	QTY.	MAKE	MODEL	QTY.	MAKE	MODEL	QTY.	MAKE	MODEL	QTY.	MAKE	MODEL	QTY.	MAKE	MODEL	QTY.	MAKE	MODEL
A-0.5	2	G-D	2M	8	DIFFUSED GAS TECHNOLOGIES	DP-38	1	FPZ	K03-MS	4	DIFFUSED GAS TECHNOLOGIES	DP-75	1	NORWECO	IT2000	1	DELTA	PER DESIGN
A-1.0	2	G-D	2M	8	DIFFUSED GAS TECHNOLOGIES	DP-38	1	FPZ	K03-MS	4	DIFFUSED GAS TECHNOLOGIES	DP-75	1	NORWECO	IT2000	1	DELTA	PER DESIGN
A-1.5	2	G-D	2M	8	DIFFUSED GAS TECHNOLOGIES	DP-38	1	G-D	2M	4	DIFFUSED GAS TECHNOLOGIES	DP-75	1	NORWECO	IT2000	1	DELTA	PER DESIGN
A-2.0	2	G-D	2M	8	DIFFUSED GAS TECHNOLOGIES	DP-38	1	G-D	2M	4	DIFFUSED GAS TECHNOLOGIES	DP-75	1	NORWECO	IT2000	1	DELTA	PER DESIGN
A-3.0	2	G-D	3M	8	DIFFUSED GAS TECHNOLOGIES	DP-75	1	G-D	2M	4	DIFFUSED GAS TECHNOLOGIES	DP-75	1	NORWECO	IT2000	1	DELTA	PER DESIGN
A-4.0	2	G-D	3M	8	DIFFUSED GAS TECHNOLOGIES	DP-75	1	G-D	2M	4	DIFFUSED GAS TECHNOLOGIES	DP-75	1	NORWECO	IT2000	1	DELTA	PER DESIGN
A-5.0	2	G-D	3M	8	DIFFUSED GAS TECHNOLOGIES	DP-75	1	G-D	2M	4	DIFFUSED GAS TECHNOLOGIES	DP-75	1	NORWECO	IT2000	1	DELTA	PER DESIGN
A-6.0	2	G-D	3M	16	DIFFUSED GAS TECHNOLOGIES	DP-75	1	G-D	2M	4	DIFFUSED GAS TECHNOLOGIES	DP-75	1	NORWECO	IT2000	1	DELTA	PER DESIGN
A-7.0	2	G-D	3M	16	DIFFUSED GAS TECHNOLOGIES	DP-75	1	G-D	2M	4	DIFFUSED GAS TECHNOLOGIES	DP-75	1	NORWECO	IT2000	1	DELTA	PER DESIGN





A-7.0 PACKAGE PLANT SHOWN

NO.	DATE	INITIALS	DESCRIPTION

INFILTRATOR water technologies

INFILTRATOR WATER TECHNOLOGIES, LLC
4 BUSINESS PARK RD, OLD SAYBROOK, CT 06475
WWW.INFILTRATORWATER.COM
PHONE: (800) 221-4436 / EMAIL: INFO@INFILTRATORWATER.COM

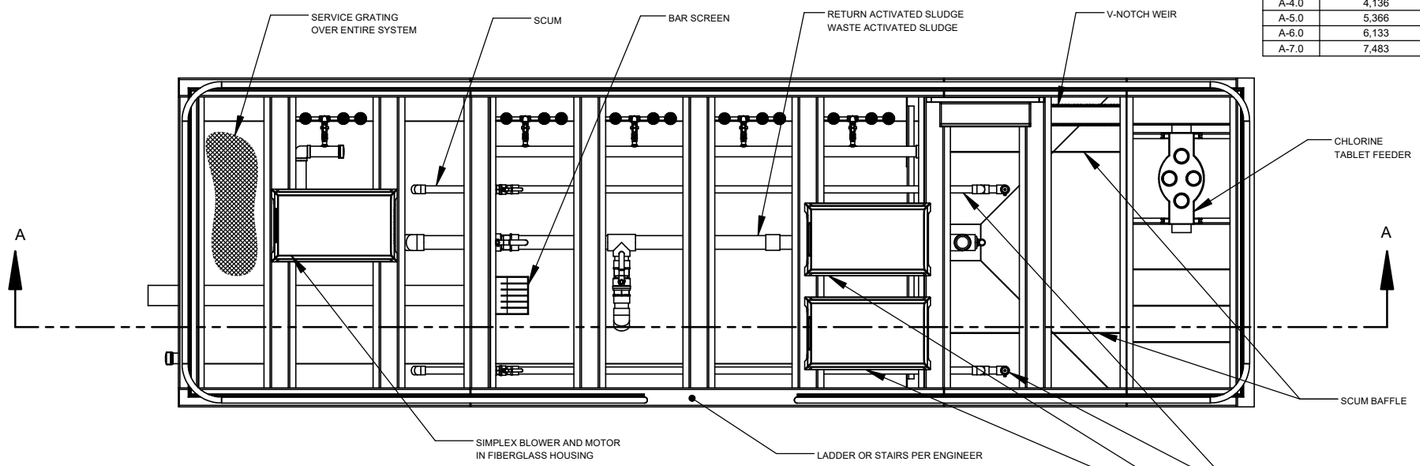
ENVIRO-AIRE PACKAGE PLANT
A-0.5 THROUGH A-7.0

GENERAL ARRANGEMENT
DESIGN OVERVIEW

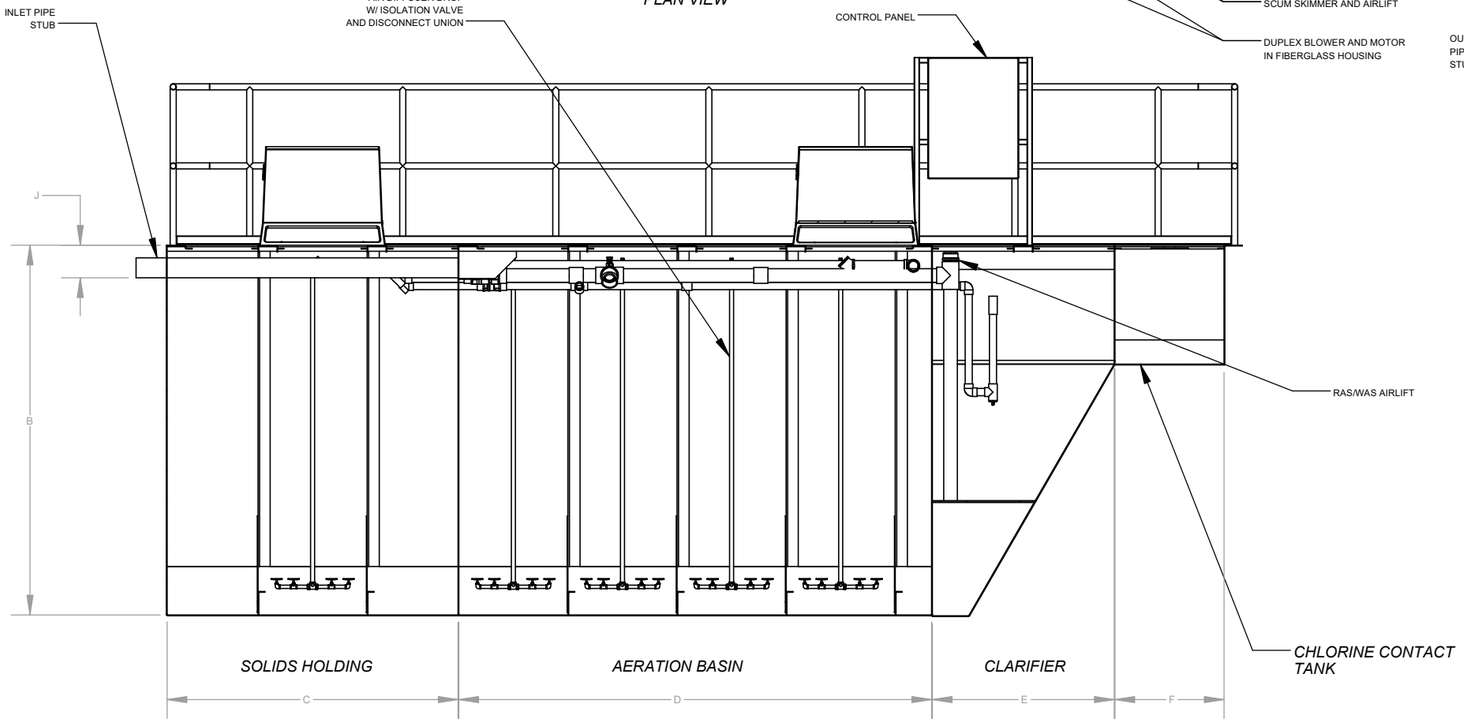
HORIZ. SCALE N/A	PROJECT NO. P/N
VERT. SCALE N/A	DATE 11/16/2021
DRAWN BY KJS	DESIGNED BY AOB
DRAWING NO. C1.0	SHEET NO. 01 OF 02

TABLE 4
PACKAGE PLANT DIMENSIONS

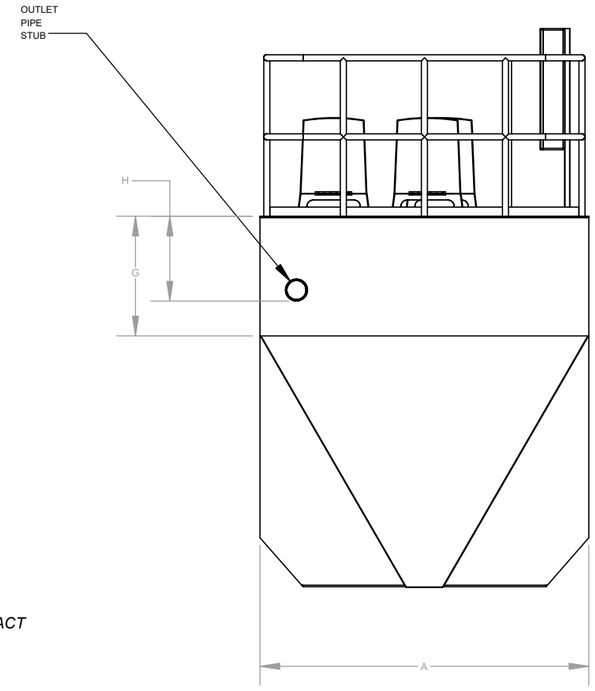
MODEL	AERATION VOLUME (GAL)	CLARIFIER VOLUME (GAL)	C.C.T. VOLUME (GAL)	SOLIDS HOLDING VOLUME (GAL)	A	B	C	D	E	F	G	H	J	SWD	INLET SIZE	OUTLET SIZE
A-0.5	568	182	15	299	4' - 0"	6' - 6"	2' - 0"	4' - 0"	3' - 0"	1' - 6"	2' - 6"	2' - 2"	0' - 11"	5' - 0"	4"	4"
A-1.0	1,184	227	31	561	5' - 0"	6' - 6"	3' - 0"	6' - 0"	3' - 0"	2' - 6"	2' - 6"	2' - 2"	0' - 11"	5' - 0"	4"	4"
A-1.5	1,660	351	44	852	6' - 0"	7' - 10"	3' - 0"	6' - 0"	3' - 0"	1' - 6"	2' - 10"	2' - 2"	0' - 11"	6' - 4"	4"	4"
A-2.0	2,094	486	112	1,069	6' - 0"	8' - 10"	3' - 3"	6' - 6"	3' - 0"	1' - 6"	3' - 10"	2' - 2"	0' - 11"	7' - 4"	4"	4"
A-3.0	3,089	760	117	1,571	7' - 0"	9' - 0"	4' - 0"	8' - 0"	4' - 0"	1' - 6"	3' - 10"	2' - 4"	0' - 11"	7' - 6"	4"	4"
A-4.0	4,136	864	157	2,095	7' - 0"	9' - 6"	5' - 0"	10' - 0"	4' - 0"	1' - 6"	4' - 4"	2' - 4"	0' - 11"	8' - 0"	4"	4"
A-5.0	5,366	864	157	2,723	7' - 0"	9' - 6"	6' - 6"	13' - 0"	4' - 0"	1' - 6"	4' - 4"	2' - 4"	0' - 11"	8' - 0"	4"	4"
A-6.0	6,133	1,120	164	3,113	8' - 0"	10' - 2"	6' - 0"	12' - 0"	4' - 6"	1' - 6"	4' - 2"	2' - 4"	0' - 11"	8' - 8"	4"	4"
A-7.0	7,483	1,186	201	3,794	9' - 0"	10' - 2"	6' - 6"	13' - 0"	5' - 0"	3' - 0"	3' - 4"	2' - 4"	0' - 11"	8' - 8"	4"	4"



PLAN VIEW



ELEVATION VIEW
SECTION A-A



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ENVIRO-AIRE PACKAGE PLANT
A-0.5 THROUGH A-7.0

GENERAL ARRANGEMENT
DIMENSIONS

HORIZ. SCALE	PROJECT NO.
N/A	P/N
VERT. SCALE	DATE
N/A	11/16/2021
DRAWN BY	DESIGNED BY
KJS	AOB
DRAWING NO.	SHEET NO.
C1.1	02 OF 02