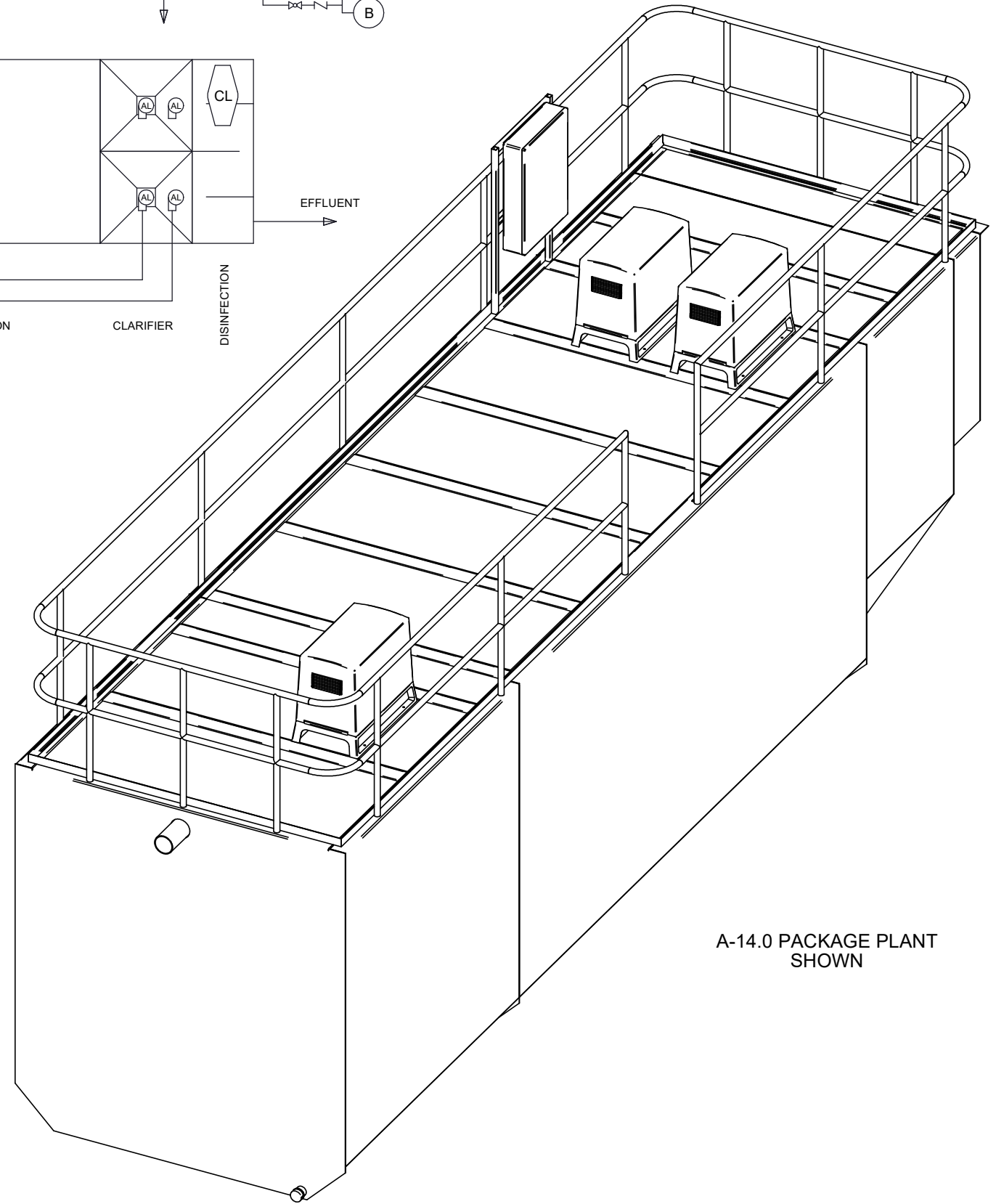
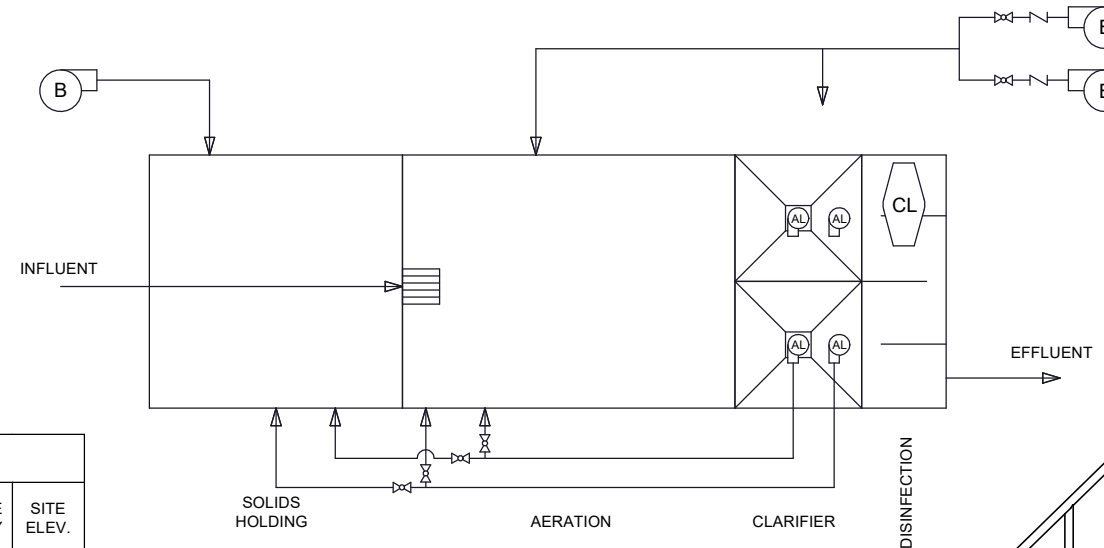


- GENERAL ARRANGEMENT NOTES
1. THE DRAWINGS DEPICTED HEREIN REPRESENT PRELIMINARY LAYOUT(S) OF A WASTEWATER TREATMENT SYSTEM CAPABLE OF TREATING THE DOMESTIC WASTE CONSTITUENTS NOTED IN TABLE 1.
 2. THE EQUIPMENT ARRANGEMENT/LAYOUT IS SCHEMATIC IN NATURE AND SOME OBJECTS MAY NOT BE DRAWN TO SCALE. REFER 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-8.0	4,000 (GPD)	12,000 (GPD)	16,000 (GPD)	32,000 (GPD)	13.3 (LB/D)	115°F	68°F	90°F	10%	90%	1,000 FT
A-9.0	4,500 (GPD)	13,500 (GPD)	18,000 (GPD)	36,000 (GPD)	15 (LB/D)	115°F	68°F	90°F	10%	90%	1,000 FT
A-10.0	5,000 (GPD)	15,000 (GPD)	20,000 (GPD)	40,000 (GPD)	16.7 (LB/D)	115°F	68°F	90°F	10%	90%	1,000 FT
A-11.0	5,500 (GPD)	16,500 (GPD)	22,000 (GPD)	44,000 (GPD)	18.3 (LB/D)	115°F	68°F	90°F	10%	90%	1,000 FT
A-12.0	6,000 (GPD)	18,000 (GPD)	24,000 (GPD)	48,000 (GPD)	20 (LB/D)	115°F	68°F	90°F	10%	90%	1,000 FT
A-13.0	6,500 (GPD)	19,500 (GPD)	26,000 (GPD)	52,000 (GPD)	21.7 (LB/D)	115°F	68°F	90°F	10%	90%	1,000 FT
A-14.0	7,000 (GPD)	21,000 (GPD)	28,000 (GPD)	56,000 (GPD)	23.4 (LB/D)	115°F	68°F	90°F	10%	90%	1,000 FT

**TABLE 2
AIR DEMAND**

PARAMETER	A-8.0	A-9.0	A-10.0	A-11.0	A-12.0	A-13.0	A-14.0
STANDARD AIRFLOW	94 SCFM	101 SCFM	107 SCFM	113 SCFM	119 SCFM	116 SCFM	121 SCFM
SITE AIR REQ.	105 ICFM	113 ICFM	121 ICFM	127 ICFM	134 ICFM	130 ICFM	137 ICFM
BLOWER INLET AIR	105 ICFM	113 ICFM	121 ICFM	127 ICFM	134 ICFM	130 ICFM	137 ICFM
AIR HEADER SIZE	2"	2"	2"	2"	2"	2"	2"
BLOWER SELECTION	G-D	G-D	G-D	G-D	G-D	G-D	G-D
BLOWER MODEL	3M	3M	3M	3M	3M	3M	3M
NOISE LEVEL	81 dB(A)	81 dB(A)	82 dB(A)	82 dB(A)	83 dB(A)	83 dB(A)	84 dB(A)
AIR TEMP. RISE	73°F	72°F	70°F	70°F	69°F	76°F	75°F
BLOWER INLET DIAMETER	2" NPT	2" NPT	2" NPT	2" NPT	2" NPT	2" NPT	2" NPT
BLOWER OUTLET DIAMETER	2" NPT	2" NPT	2" NPT	2" NPT	2" NPT	2" NPT	2" NPT
MOTOR SELECTION	5 HP	5 HP	5 HP	5 HP	5 HP	5 HP	5 HP
OPERATING POWER	2.5 kW	2.7 kW	2.8 kW	2.9 kW	3.1 kW	3.2 kW	3.4 kW
STARTING CURRENT	133.5 A @ 230 V 1-PH 60HZ 92.0/46.0 A @ 230/460 V 3-PH 60HZ						
FULL LOAD CURRENT	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-8.0	2	G-D	3-M	16	DIFFUSED GAS TECHNOLOGIES	DP-75	1	G-D	2M	4	DIFFUSED GAS TECHNOLOGIES	DP-75	1	NORWECO	IT2000	1	DELTA	PER DESIGN
A-9.0	2	G-D	3-M	16	DIFFUSED GAS TECHNOLOGIES	DP-75	1	G-D	2M	4	DIFFUSED GAS TECHNOLOGIES	DP-75	1	NORWECO	IT2000	1	DELTA	PER DESIGN
A-10.0	2	G-D	3-M	16	DIFFUSED GAS TECHNOLOGIES	DP-75	1	G-D	2M	4	DIFFUSED GAS TECHNOLOGIES	DP-75	1	NORWECO	IT2000	1	DELTA	PER DESIGN
A-11.0	2	G-D	3-M	16	DIFFUSED GAS TECHNOLOGIES	DP-75	1	G-D	2M	4	DIFFUSED GAS TECHNOLOGIES	DP-75	1	NORWECO	IT2000	1	DELTA	PER DESIGN
A-12.0	2	G-D	3-M	16	DIFFUSED GAS TECHNOLOGIES	DP-75	1	G-D	2M	4	DIFFUSED GAS TECHNOLOGIES	DP-75	1	NORWECO	IT2000	1	DELTA	PER DESIGN
A-13.0	2	G-D	3-M	16	DIFFUSED GAS TECHNOLOGIES	DP-75	1	G-D	2M	8	DIFFUSED GAS TECHNOLOGIES	DP-75	1	NORWECO	IT2000	1	DELTA	PER DESIGN
A-14.0	2	G-D	3-M	16	DIFFUSED GAS TECHNOLOGIES	DP-75	1	G-D	2M	8	DIFFUSED GAS TECHNOLOGIES	DP-75	1	NORWECO	IT2000	1	DELTA	PER DESIGN

NO.	DATE	INITIALS	DESCRIPTION

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

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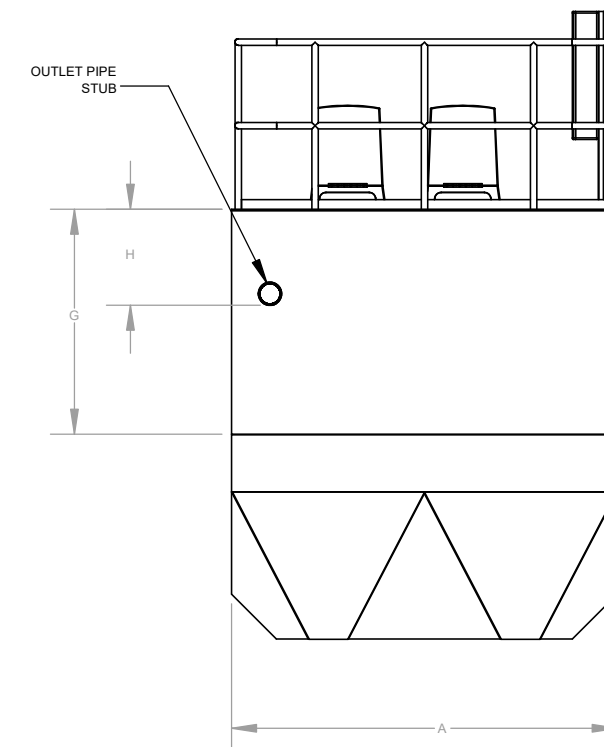
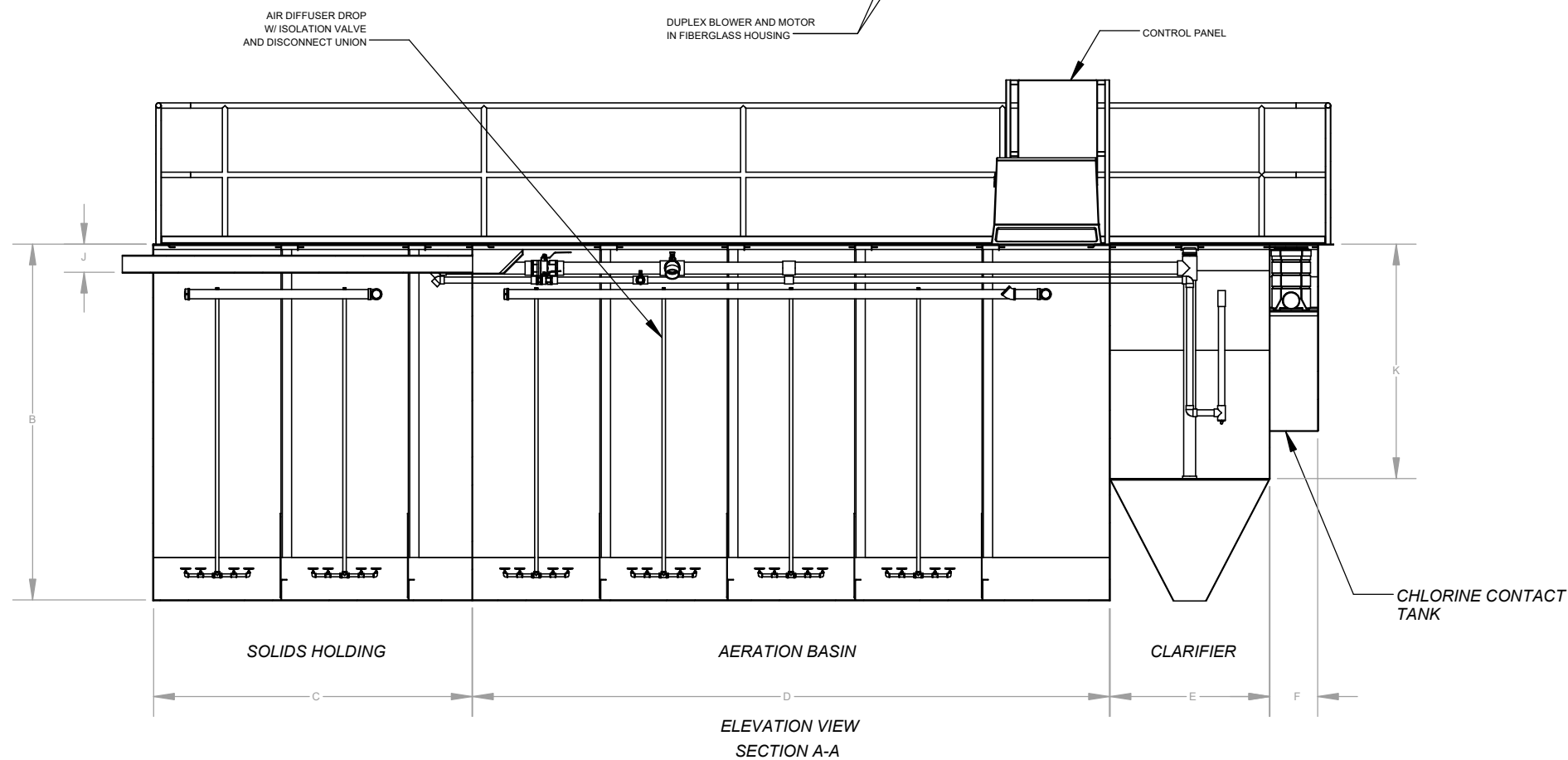
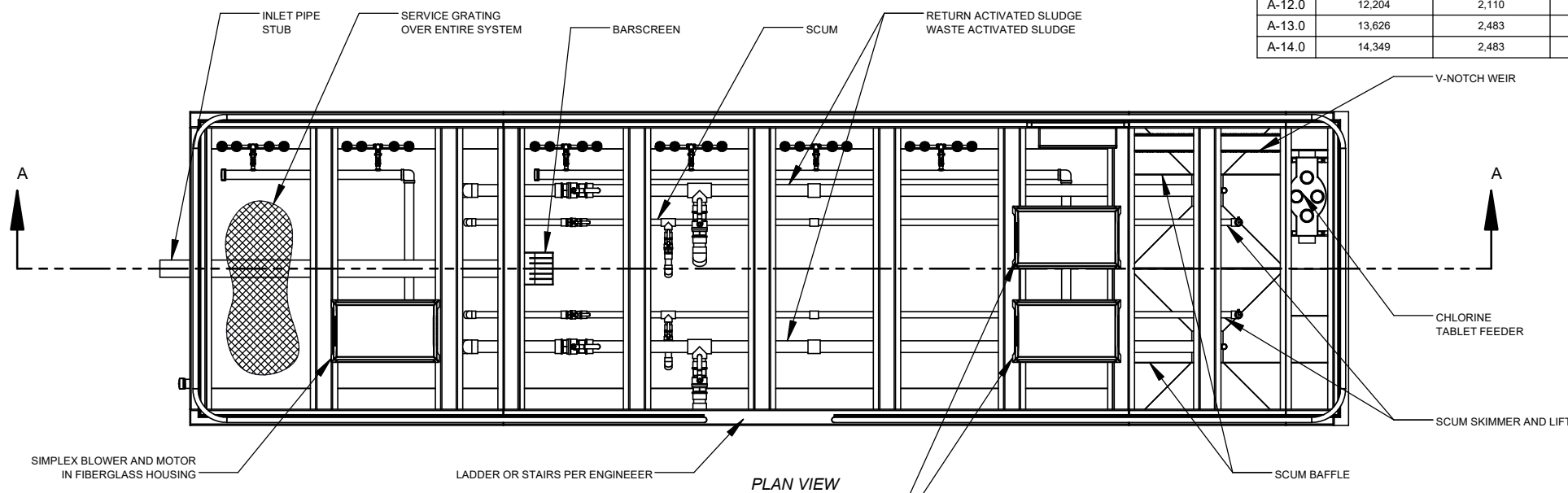
**ENVIRO-AIRE PACKAGE PLANT
A-8.0 THROUGH A-14.0**

**GENERAL ARRANGEMENT
DESIGN OVERVIEW**

HORIZ. SCALE N/A	PROJECT NO. P/N
VERT. SCALE N/A	DATE 12/02/2021
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 BASIN (GAL)	A	B	C	D	E	F	G	H	J	K	SWD	INLET SIZE	OUTLET SIZE
A-8.0	8,650	1,561	218	4,378	9'-0"	10'-2"	7'-6"	15'-0"	4'-6"	1'-6"	4'-8"	2'-6"	0'-11"	5'-6"	8'-8"	4"	4"
A-9.0	9,234	1,561	252	4,670	9'-0"	10'-2"	8'-0"	16'-0"	4'-6"	1'-6"	5'-0"	2'-6"	0'-11"	5'-6"	8'-8"	4"	4"
A-10.0	10,260	2,110	261	5,188	10'-0"	10'-2"	8'-0"	16'-0"	5'-0"	1'-6"	4'-10"	2'-6"	0'-11"	6'-2"	8'-8"	4"	4"
A-11.0	11,556	2,110	299	5,837	10'-0"	10'-2"	9'-0"	18'-0"	5'-0"	1'-6"	5'-2"	2'-6"	0'-11"	6'-2"	8'-8"	4"	4"
A-12.0	12,204	2,110	317	6,161	10'-0"	10'-2"	9'-6"	19'-0"	5'-0"	1'-6"	5'-4"	2'-6"	0'-11"	6'-2"	8'-8"	4"	4"
A-13.0	13,626	2,483	355	6,872	10'-0"	11'-2"	9'-6"	19'-0"	5'-0"	1'-6"	5'-8"	2'-6"	0'-11"	7'-2"	9'-8"	4"	4"
A-14.0	14,349	2,483	373	7,234	10'-0"	11'-2"	10'-0"	20'-0"	5'-0"	1'-6"	5'-10"	2'-6"	0'-11"	7'-2"	9'-8"	4"	4"



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ENVIRO-AIRE PACKAGE PLANT
 A-8.0 THROUGH A-14.0

GENERAL ARRANGEMENT DIMENSIONS

HORIZ. SCALE N/A	PROJECT NO. P/N
VERT. SCALE N/A	DATE 12/02/2021
DRAWN BY KJS	DESIGNED BY AOB
DRAWING NO. C1.1	SHEET NO. 02 OF 02