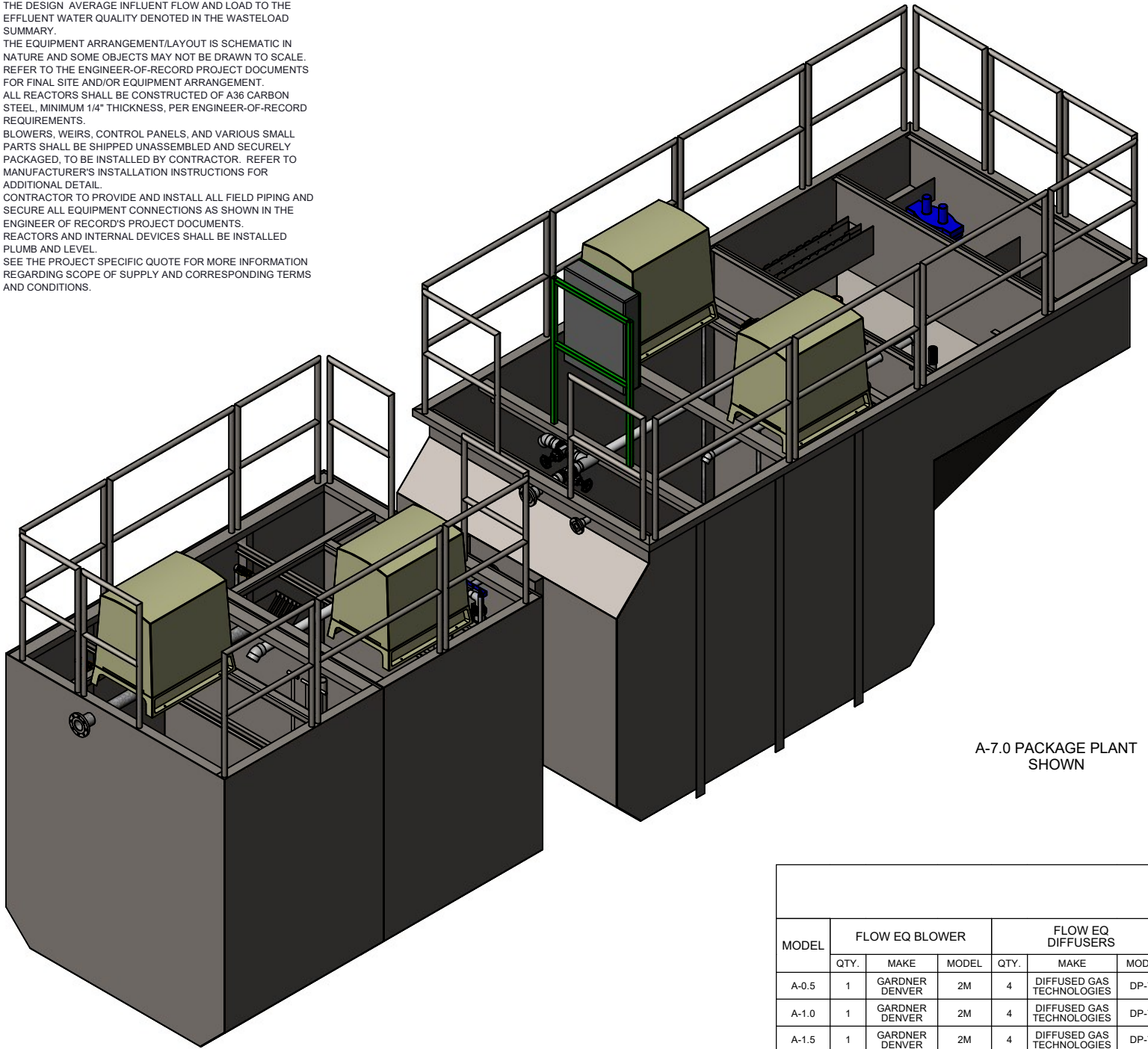


- GENERAL ARRANGEMENT NOTES
- THESE DRAWINGS DEPICT PRELIMINARY LAYOUT(S) OF A WASTEWATER TREATMENT SYSTEM CAPABLE OF TREATING THE DESIGN AVERAGE INFLUENT FLOW AND LOAD TO THE EFFLUENT WATER QUALITY DENOTED IN THE WASTELOAD SUMMARY.
 - THE EQUIPMENT ARRANGEMENT/LAYOUT IS SCHEMATIC IN NATURE AND SOME OBJECTS MAY NOT BE DRAWN TO SCALE. REFER TO THE ENGINEER-OF-RECORD PROJECT DOCUMENTS FOR FINAL SITE AND/OR EQUIPMENT ARRANGEMENT.
 - ALL REACTORS SHALL BE CONSTRUCTED OF A36 CARBON STEEL, MINIMUM 1/4" THICKNESS, PER ENGINEER-OF-RECORD REQUIREMENTS.
 - 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.
 - CONTRACTOR TO PROVIDE AND INSTALL ALL FIELD PIPING AND SECURE ALL EQUIPMENT CONNECTIONS AS SHOWN IN THE ENGINEER OF RECORD'S PROJECT DOCUMENTS.
 - REACTORS AND INTERNAL DEVICES SHALL BE INSTALLED PLUMB AND LEVEL.
 - SEE THE PROJECT SPECIFIC QUOTE FOR MORE INFORMATION REGARDING SCOPE OF SUPPLY AND CORRESPONDING TERMS AND CONDITIONS.



A-7.0 PACKAGE PLANT SHOWN

TABLE 1
PROCESS PARAMETERS

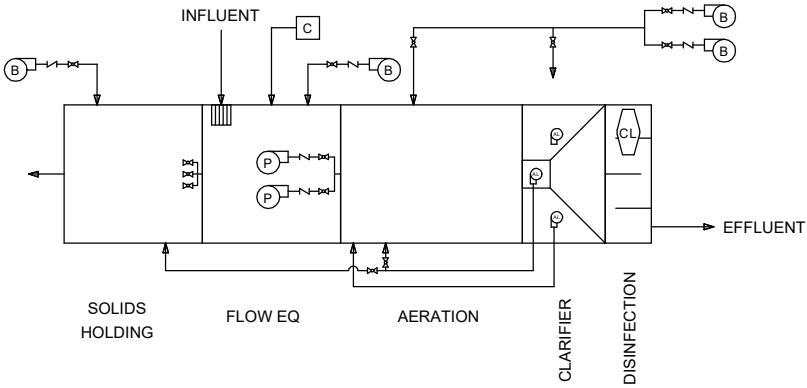
| MODEL | AVG. DAILY FLOW | | PEAK DAILY FLOW (PDF) | PEAK HOURLY FLOW (PHF) | INFLUENT BOD | AIR TEMP. | WATER TEMP. | | RELATIVE HUMIDITY | | SITE ELEV. |
|-------|-----------------|--------------|-----------------------|------------------------|--------------|-----------|-------------|------|-------------------|-----|------------|
| | 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 | GARDNER DENVER | | | GARDNER DENVER | | GARDNER DENVER | | | GARDNER DENVER |
| 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 |
| FULL LOAD CURRENT | 7.1/7.3 A @ 115/230V 1-PH 60HZ 4.8/2.4 A @ 230/460V 3-PH 60HZ | | | 18.8/9.4 A @ 115/230V 1-PH 60HZ 5.0/2.5 A @ 230/460V 3-PH 60HZ | | 15.0/14.0 A @ 115/230V 1-PH 60HZ 8.3/4.2 A @ 230/460V 3-PH 60HZ | | | 19.5 A @ 115/230V 1-PH 60HZ 14.0/7.0 A @ 230/460V 3-PH 60HZ |

TABLE 3
STANDARD EQUIPMENT LIST

| MODEL | FLOW EQ BLOWER | | | FLOW EQ DIFFUSERS | | | MAIN AIR BLOWER | | | AERATION DIFFUSERS | | | CHLORINE TABLET FEEDER | | | CONTROL PANEL | | | SOLIDS MIXING BLOWER | | | SOLIDS MIXING DIFFUSERS | | |
|-------|----------------|----------------|-------|-------------------|---------------------------|-------|-----------------|----------------|-------|--------------------|---------------------------|-------|------------------------|---------|--------|---------------|-------|------------|----------------------|----------------|-------|-------------------------|---------------------------|-------|
| | QTY. | MAKE | MODEL | QTY. | MAKE | MODEL | QTY. | MAKE | MODEL | QTY. | MAKE | MODEL | QTY. | MAKE | MODEL | QTY. | MAKE | MODEL | QTY. | MAKE | MODEL | QTY. | MAKE | MODEL |
| A-0.5 | 1 | GARDNER DENVER | 2M | 4 | DIFFUSED GAS TECHNOLOGIES | DP-75 | 2 | GARDNER DENVER | 3M | 16 | DIFFUSED GAS TECHNOLOGIES | DP-75 | 1 | NORWECO | XT2000 | 1 | DELTA | PER DESIGN | 1 | GARDNER DENVER | 2M | 4 | DIFFUSED GAS TECHNOLOGIES | DP-75 |
| A-1.0 | 1 | GARDNER DENVER | 2M | 4 | DIFFUSED GAS TECHNOLOGIES | DP-75 | 2 | GARDNER DENVER | 3M | 16 | DIFFUSED GAS TECHNOLOGIES | DP-75 | 1 | NORWECO | XT2000 | 1 | DELTA | PER DESIGN | 1 | GARDNER DENVER | 2M | 4 | DIFFUSED GAS TECHNOLOGIES | DP-75 |
| A-1.5 | 1 | GARDNER DENVER | 2M | 4 | DIFFUSED GAS TECHNOLOGIES | DP-75 | 2 | GARDNER DENVER | 3M | 16 | DIFFUSED GAS TECHNOLOGIES | DP-75 | 1 | NORWECO | XT2000 | 1 | DELTA | PER DESIGN | 1 | GARDNER DENVER | 2M | 4 | DIFFUSED GAS TECHNOLOGIES | DP-75 |
| A-2.0 | 1 | GARDNER DENVER | 2M | 4 | DIFFUSED GAS TECHNOLOGIES | DP-75 | 2 | GARDNER DENVER | 3M | 16 | DIFFUSED GAS TECHNOLOGIES | DP-75 | 1 | NORWECO | XT2000 | 1 | DELTA | PER DESIGN | 1 | GARDNER DENVER | 2M | 4 | DIFFUSED GAS TECHNOLOGIES | DP-75 |
| A-3.0 | 1 | GARDNER DENVER | 2M | 4 | DIFFUSED GAS TECHNOLOGIES | DP-75 | 2 | GARDNER DENVER | 3M | 16 | DIFFUSED GAS TECHNOLOGIES | DP-75 | 1 | NORWECO | XT2000 | 1 | DELTA | PER DESIGN | 1 | GARDNER DENVER | 2M | 4 | DIFFUSED GAS TECHNOLOGIES | DP-75 |
| A-4.0 | 1 | GARDNER DENVER | 2M | 4 | DIFFUSED GAS TECHNOLOGIES | DP-75 | 2 | GARDNER DENVER | 3M | 16 | DIFFUSED GAS TECHNOLOGIES | DP-75 | 1 | NORWECO | XT2000 | 1 | DELTA | PER DESIGN | 1 | GARDNER DENVER | 2M | 4 | DIFFUSED GAS TECHNOLOGIES | DP-75 |
| A-5.0 | 1 | GARDNER DENVER | 2M | 4 | DIFFUSED GAS TECHNOLOGIES | DP-75 | 2 | GARDNER DENVER | 3M | 16 | DIFFUSED GAS TECHNOLOGIES | DP-75 | 1 | NORWECO | XT2000 | 1 | DELTA | PER DESIGN | 1 | GARDNER DENVER | 2M | 4 | DIFFUSED GAS TECHNOLOGIES | DP-75 |
| A-6.0 | 1 | GARDNER DENVER | 2M | 4 | DIFFUSED GAS TECHNOLOGIES | DP-75 | 2 | GARDNER DENVER | 3M | 16 | DIFFUSED GAS TECHNOLOGIES | DP-75 | 1 | NORWECO | XT2000 | 1 | DELTA | PER DESIGN | 1 | GARDNER DENVER | 2M | 4 | DIFFUSED GAS TECHNOLOGIES | DP-75 |
| A-7.0 | 1 | GARDNER DENVER | 2M | 4 | DIFFUSED GAS TECHNOLOGIES | DP-75 | 2 | GARDNER DENVER | 3M | 16 | DIFFUSED GAS TECHNOLOGIES | DP-75 | 1 | NORWECO | XT2000 | 1 | DELTA | PER DESIGN | 1 | GARDNER DENVER | 2M | 4 | DIFFUSED GAS TECHNOLOGIES | DP-75 |



PRELIMINARY



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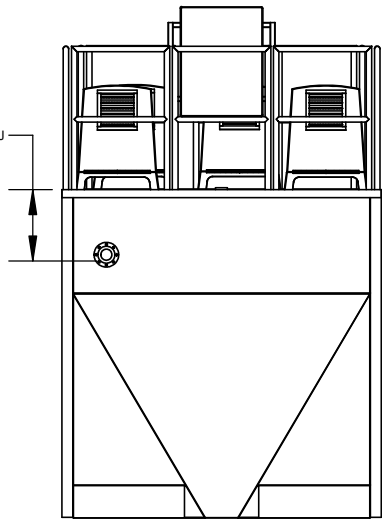
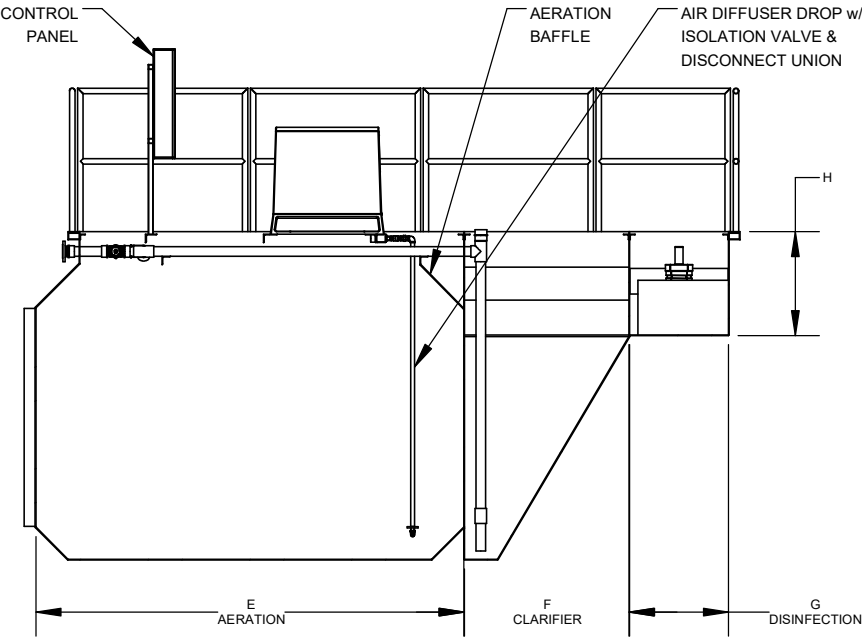
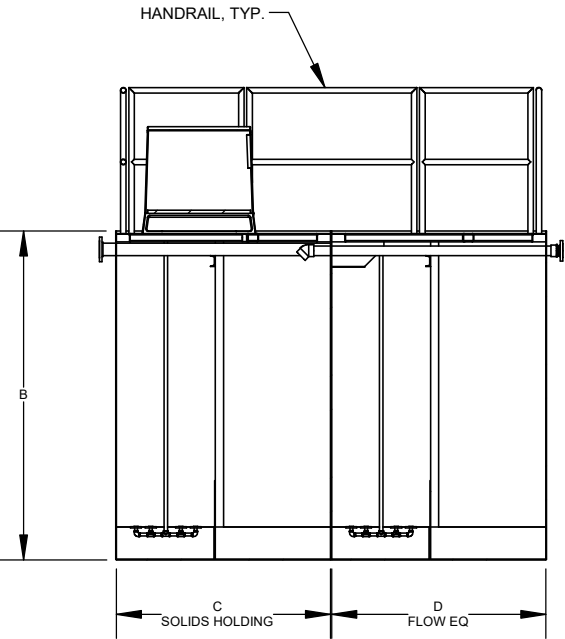
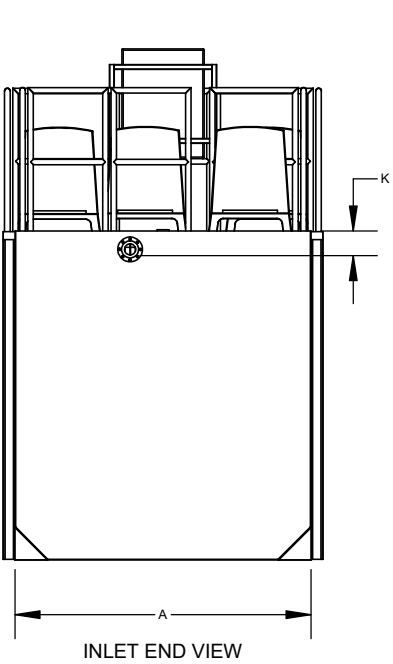
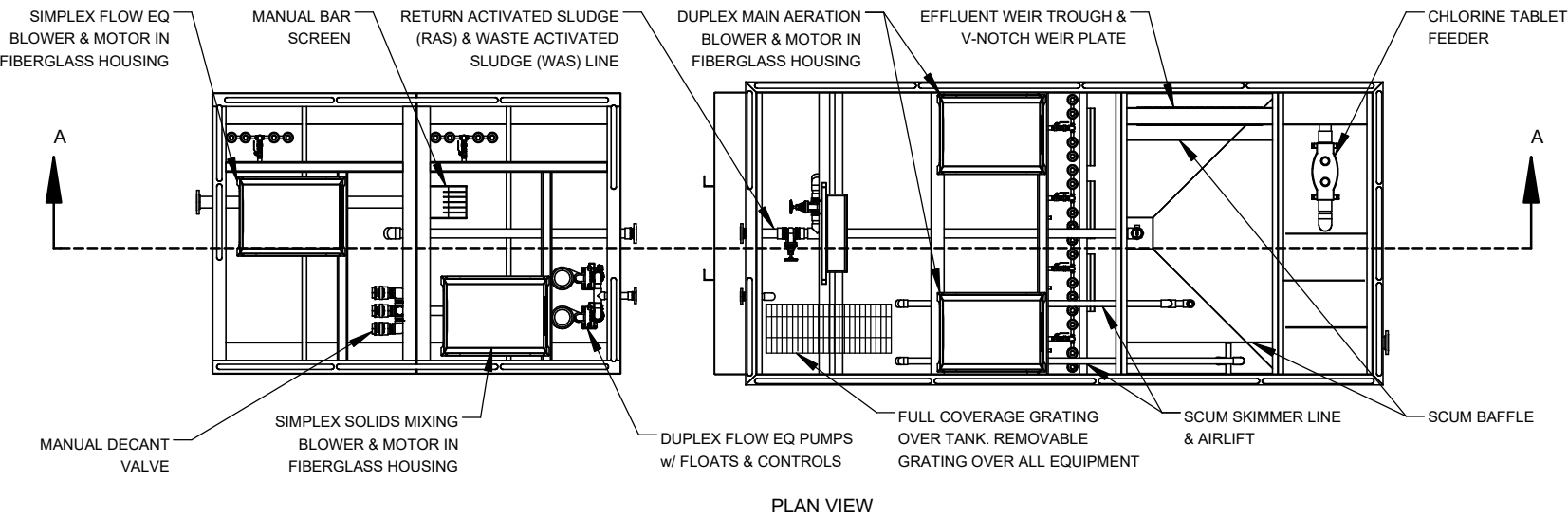
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ENVIRO-AIRE PACKAGE PLANT
A-0.5 THROUGH A-7.0

GENERAL ARRANGEMENT
DESIGN OVERVIEW


| | |
|---------------------|-----------------------|
| HORIZ. SCALE N/A | PROJECT NO. N/A |
| VERT. SCALE N/A | DATE 04/16/2025 |
| DRAWN BY KJS | DESIGNED BY JLS |
| DRAWING NO. C1.0 | SHEET NO. 01 of 02 |

| TABLE 4 PACKAGE PLANT DIMENSIONS | | | | | | | | | | | | | | | | | | |
|-------------------------------------|-------------------------|--------------------------|---------------------------|---------------------|--------------------------------|---------|----------|---------|---------|----------|---------|---------|---------|---------|---------|---------|---------------|----------------|
| MODEL | FLOW EQ VOLUME (GAL) | AERATION VOLUME (GAL) | CLARIFIER VOLUME (GAL) | CCT VOLUME (GAL) | SOLIDS HOLDING VOLUME (GAL) | A | B | C | D | E | F | G | H | J | K | SWD | INLET SIZE | OUTLET SIZE |
| A-0.5 | 299 | 568 | 182 | 15 | 299 | 4' - 0" | 6' - 0" | 2' - 0" | 2' - 0" | 4' - 0" | 3' - 0" | 1' - 6" | 2' - 0" | 1' - 8" | 0' - 9" | 5' - 0" | 4" | 4" |
| A-1.0 | 561 | 1,184 | 227 | 31 | 561 | 5' - 0" | 6' - 0" | 3' - 0" | 3' - 0" | 6 - 0" | 3' - 0" | 2' - 6" | 2' - 0" | 1' - 8" | 0' - 9" | 5' - 0" | 4" | 4" |
| A-1.5 | 852 | 1,660 | 351 | 44 | 852 | 6' - 0" | 7' - 4" | 3' - 0" | 3' - 0" | 6 - 0" | 3' - 0" | 1' - 6" | 2' - 4" | 1' - 8" | 0' - 9" | 6' - 4" | 4" | 4" |
| A-2.0 | 1,069 | 2,094 | 486 | 112 | 1,069 | 6' - 0" | 8' - 4" | 3' - 3" | 3' - 3" | 6' - 6" | 3' - 0" | 1' - 6" | 3' - 4" | 1' - 8" | 0' - 9" | 7' - 4" | 4" | 4" |
| A-3.0 | 1,571 | 3,089 | 760 | 117 | 1,571 | 7' - 0" | 8' - 10" | 4' - 0" | 4' - 0" | 8' - 0" | 4' - 0" | 1' - 6" | 3' - 8" | 2' - 2" | 0' - 9" | 7' - 6" | 4" | 4" |
| A-4.0 | 2,095 | 4,136 | 864 | 157 | 2,095 | 7' - 0" | 9' - 4" | 5' - 0" | 5' - 0" | 10' - 0" | 4' - 0" | 1' - 6" | 4' - 2" | 2' - 2" | 0' - 9" | 8' - 0" | 4" | 4" |
| A-5.0 | 2,723 | 5,366 | 864 | 157 | 2,723 | 7' - 0" | 9' - 4" | 6' - 6" | 6' - 6" | 13' - 0" | 4' - 0" | 1' - 6" | 4' - 2" | 2' - 2" | 0' - 9" | 8' - 0" | 4" | 4" |
| A-6.0 | 3,113 | 6,133 | 1,120 | 164 | 3,113 | 8' - 0" | 10' - 0" | 6' - 0" | 6' - 0" | 12' - 0" | 4' - 6" | 1' - 6" | 4' - 0" | 2' - 2" | 0' - 9" | 8' - 8" | 4" | 4" |
| A-7.0 | 3,794 | 7,483 | 1,186 | 201 | 3,794 | 9' - 0" | 10' - 0" | 6' - 6" | 6' - 6" | 13' - 0" | 5' - 0" | 3' - 0" | 3' - 2" | 2' - 2" | 0' - 9" | 8' - 8" | 4" | 4" |



OUTLET END VIEW

PRELIMINARY

| NO. | DATE | INITIALS | DESCRIPTION | <div>INFILTRATOR WATER TECHNOLOGIES, LLC 4 BUSINESS PARK RD, OLD SAYBROOK, CT 06475 WWW.INFILTRATORWATER.COM Part of AIDS PHONE: (800) 221-4436 / EMAIL: INFO@INFILTRATORWATER.COM</div> <div><small>COPYRIGHT (C) 2025 INFILTRATOR WATER TECHNOLOGIES, LLC (IWT). INFORMATION CONTAINED HEREIN IS CONFIDENTIAL AND IS THE PROPERTY OF IWT. NO PART OF THIS DRAWING SHALL BE REPRODUCED, DISTRIBUTED, DISCLOSED, OR USED BY ANY PERSON OR ORGANIZATION, IN WHOLE OR IN PART, WITHOUT THE WRITTEN PERMISSION OF IWT. 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 APPLICABILITY TO A SPECIFIC PROJECT IS AT THE SOLE DISCRETION OF THE USER AND/OR THE ENGINEER OF RECORD</small></div> | ENVIRO-AIRE PACKAGE PLANT A-0.5 THROUGH A-7.0 | | HORIZ. SCALE N/A | PROJECT NO. N/A |
|-----|------|----------|-------------|--|--|--|---------------------|-----------------------|
| | | | | | | | VERT. SCALE N/A | DATE 04/16/2025 |
| | | | | | GENERAL ARRANGEMENT DIMENSIONS | | DRAWN BY KJS | DESIGNED BY JLS |
| | | | | | | | DRAWING NO. C1.1 | SHEET NO. 02 of 02 |

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