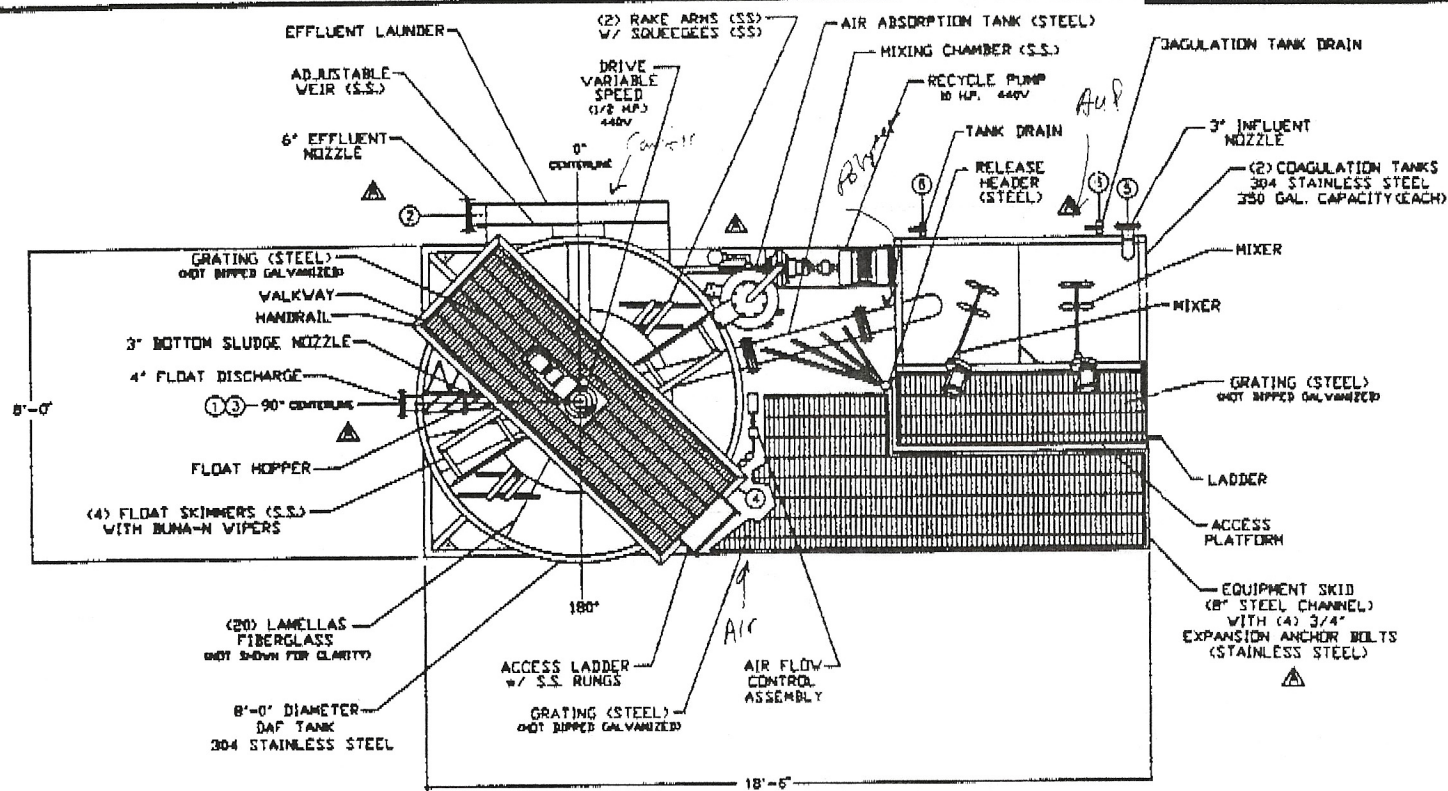
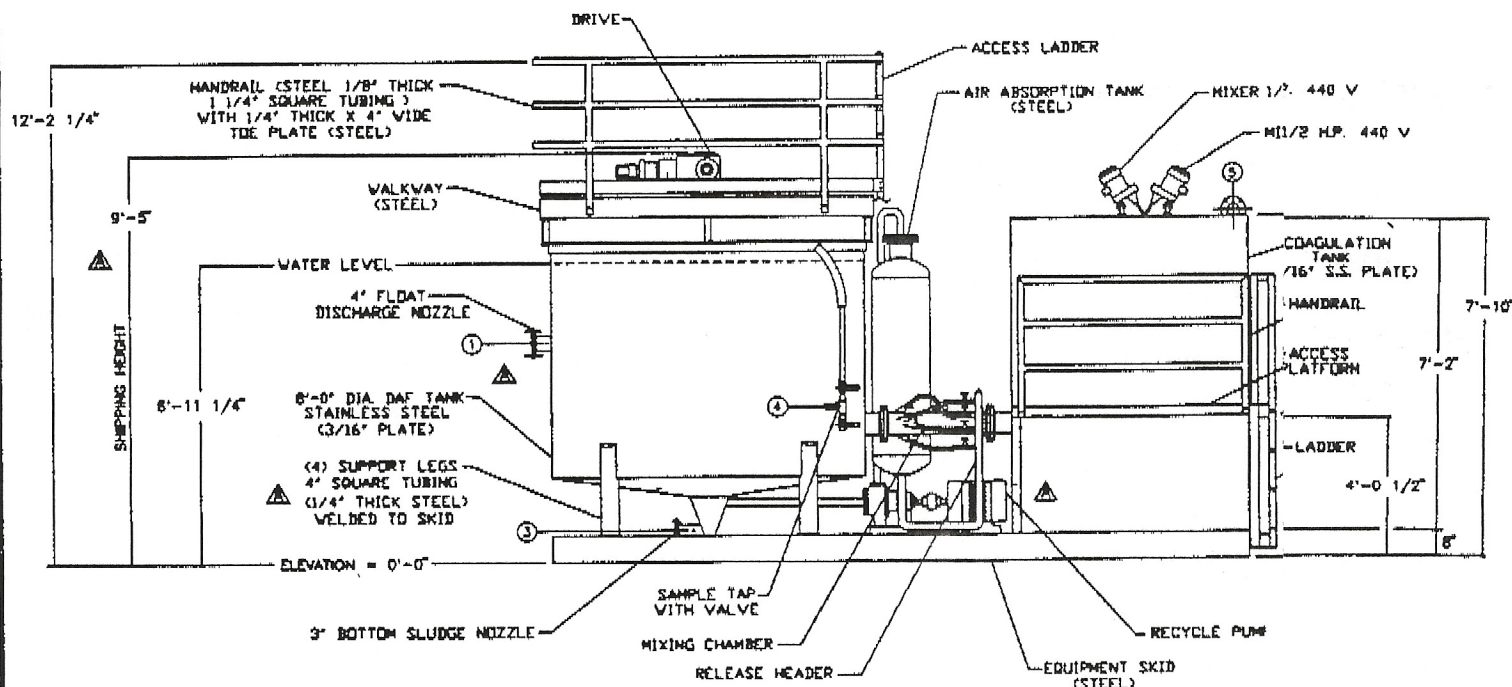




PLAN VIEW

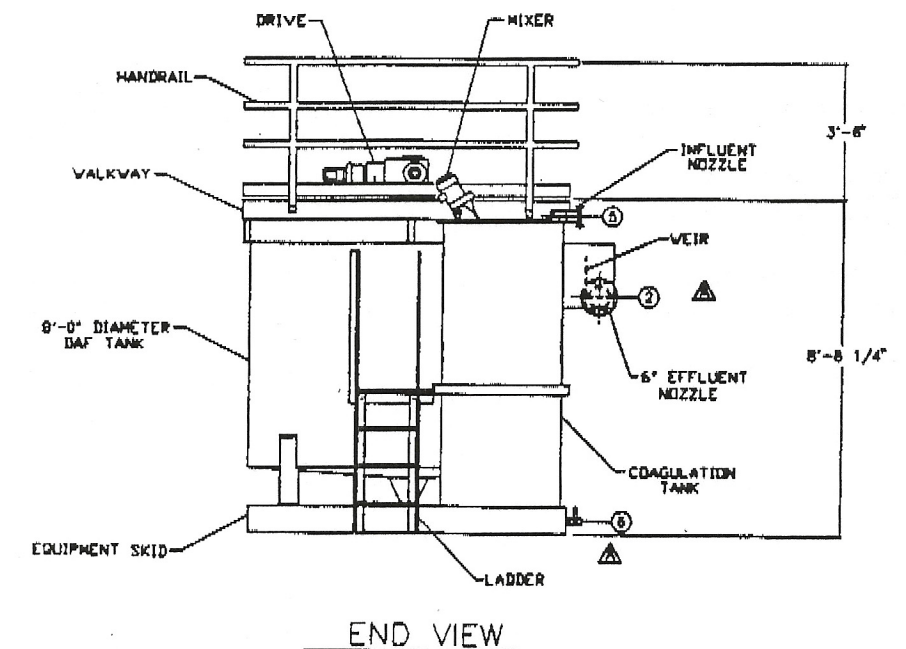


ELEVATION VIEW

NOZZLE SCHEDULE					
NO.	DESCRIPTION	SIZE	CONNECTION	ORIENTATION	ELEVATION
①	FLOAT DISCHARGE	4"	FLANGE	90°	5'-2"
②	EFFLUENT	6"	FLANGE	AS SHOWN	5'-8 1/4"
③	SLUDGE DISCHARGE	3"	FLANGE	90°	0'-8 3/4"
④	SAMPLE TAP	1"	COUPLING	240°	4'-6"
⑤	INFLUENT	3"	FLANGE	AS SHOWN	7'-11 1/8"
⑥	COAGULATION TANK DRAIN	1"	COUPLING	AS SHOWN	0'-4"

NOTES:

1. WILL FURNISH ONE (1) COMPLETE 8'-0" DIAMETER "HIGH RATE" DISSOLVED AIR FLOTATION (DAF) SYSTEM AS SHOWN AND NOTED ON DRAWING D101.
2. THE CENTER SHAFT, RAKE ARMS, VENT HOOD, SKIMMER ASSEMBLIES, SQUEEGEES, WEIR PLATE, DAF TANK, MIX CHAMBER, AND RECYCLE NOZZLE, ARE MADE OF TYPE 304 STAINLESS STEEL.
3. ALL THE REMAINING PARTS AND EQUIPMENT ARE MADE OF A36 CARBON STEEL UNLESS OTHERWISE SPECIFIED.
4. ALL FABRICATED CARBON STEEL SURFACES ARE ABRASIVE SANDBLASTED TO A NEAR WHITE METAL CONDITION (SSPC-SP-10), SURFACE PREPARED WITH ONE (1) COAT OF INDOURAL (OR EQUAL) PERMA CLEAN II PRIMER TO 3-4 MILS DFT AND RECEIVE TWO (2) COATS OF INDOURAL (OR EQUAL) SERIES H-BUILD EPOXY TO 4-5 MILS DFT FOR A TOTAL OF 11-14 MILS DFT.
5. ALL PIPE FLANGES ARE AMERICAN STANDARD FLANGE FACINGS (CLASS 150).
6. ALL THREADED PIPE CONNECTIONS ARE AMERICAN NATIONAL STANDARD TAPER PIPE THREAD (NPT), UNLESS OTHERWISE SPECIFIED.
7. ELECTRICAL REQUIREMENTS: 440 VAC, 3 PHASE, 60 HZ, AND 120 VAC, SINGLE PHASE, 60 HZ.
8. FASTENERS FOR SUBMERGED LOCATIONS ARE STAINLESS STEEL AND ZINC PLATED STEEL FOR NON-SUBMERGED LOCATIONS.
9. A pH CONTROLLER, pH ELECTRODE AND TWO (2) CHEMICAL METERING PUMPS ARE NOT SHOWN AND WILL BE PROVIDED LOOSE (NOT SKID MOUNTED) FOR INSTALLATION BY THE PURCHASER/ END USER.
10. THE AIR ABSORPTION TANK IS AN A.S.M.E. CODE (SECTION VIII, DIVISION 1) CERTIFIED PRESSURE VESSEL.
11. THE SHIPPING WEIGHT IS 12,000 LBS. (APPROXIMATELY).
THE OPERATING WEIGHT IS 38,000 LBS. (APPROXIMATELY).



END VIEW

LEGEND

S.S. = STAINLESS STEEL (304)	H.D.G. = HOT DIPPED GALVANIZED (STEEL)	DAF = DISSOLVED AIR FLOTATION
STL = A36 CARBON STEEL	F.R.P. = FIBERGLASS REINFORCED PLASTIC	BUNA-N = RUBBER
H.P. = HORSE POWER	VAC = VOLTS ALTERNATING CURRENT	HZ. = HERTZ

GENERAL ARRANGEMENT

8'-0" DIAMETER DISSOLVED AIR FLOTATION SYSTEM

REVISION	BY	CHK	DATE	NO.	ORDER NUMBER	HD 95449	DRAWING NUMBER	D101
REVISED PER REQUEST			7-21-95					