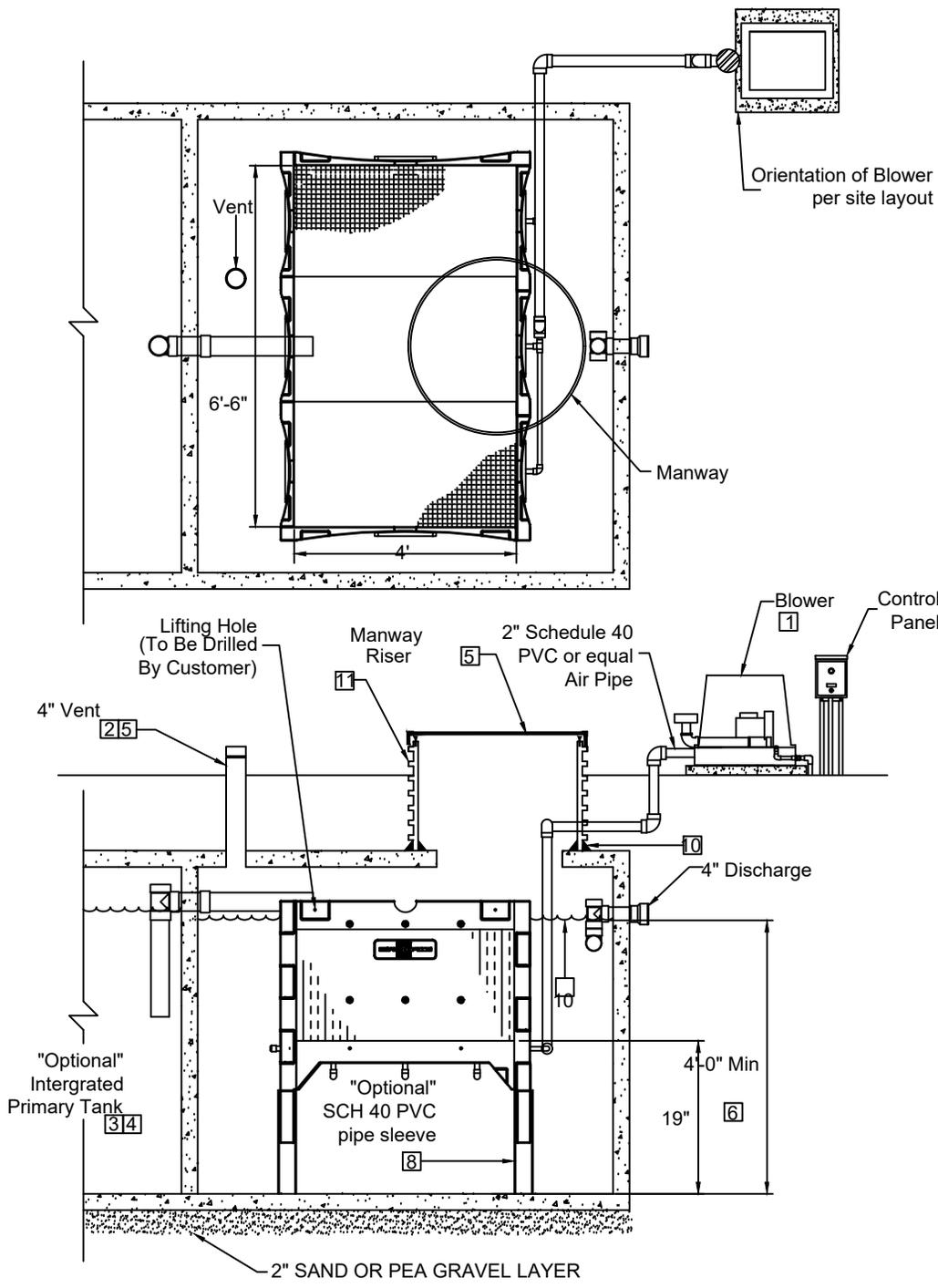


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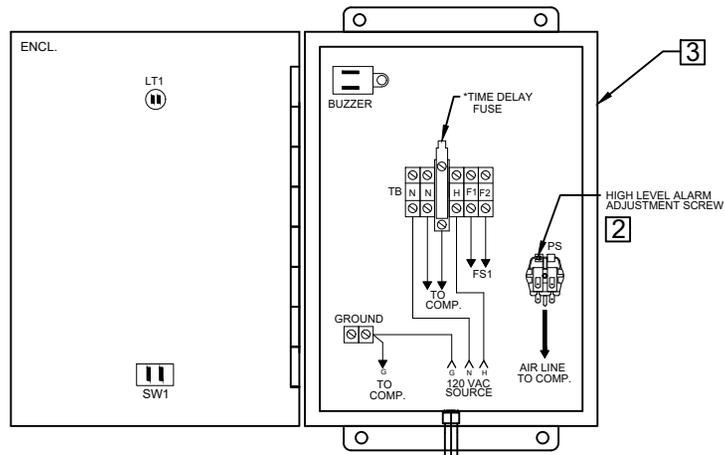


**NOTES:**

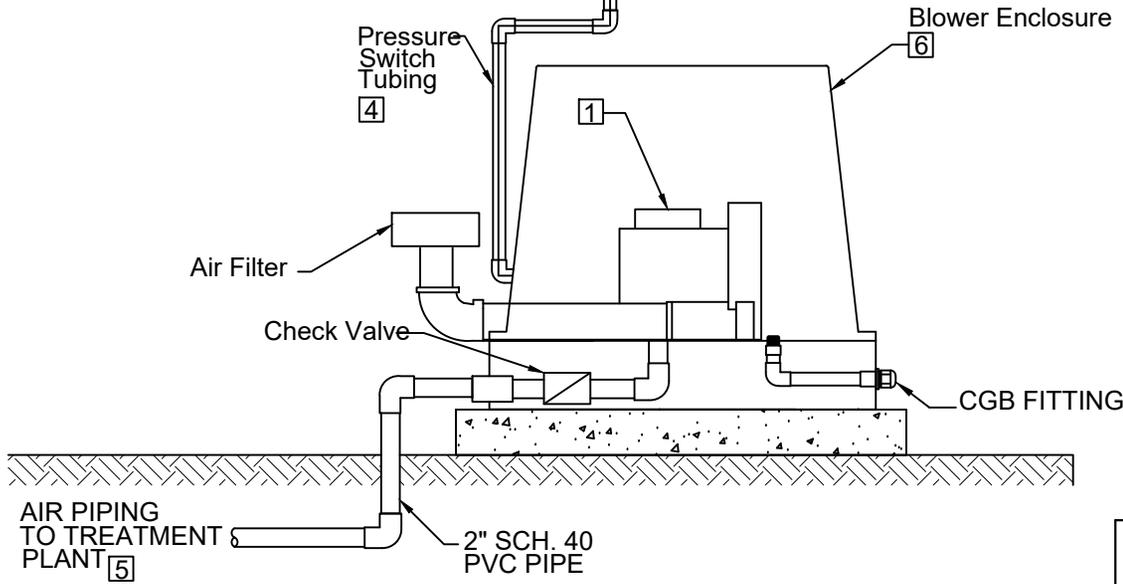
1. Blower piping to ECOPOD not to exceed 100 FT total length in the piping system. For distances greater than 100 FT, consult blower manufacturer. Blower must be located above flood levels on a solid base.
2. Vent to be located above finished grade or higher to avoid infiltration. Cap on vent must be secured with a stainless steel screw.
3. All other tanks to/from ECOPOD must conform to applicable country, state, province, and local plumbing and electrical codes.
4. The primary tank/chamber volume must be 1 to 2 times the rated ECOPOD GPD. The primary tank may be integrated with the reactor tank or stand alone in a separate tank.
5. All manways, pump out ports, and vents must be secured to prevent accidental or unauthorized access.
6. ECOPOD media is recommended to be at least 19" from bottom of tank. Distances less than 19" require approval from Delta Treatment Systems.
7. Invert elevation of effluent discharge pipe must be 2" above media.
8. For tanks with higher inlets, install SCH 40 PVC pipe over legs to elevate reactor to correct height.
9. Air supply line should be secured with non-corrosive clamps where required to prevent vibration damage.
10. Use epoxy, or another approved method or substance, to create a strong connection & watertight seal.
11. Risers must conform to country, state, province, and local acceptable codes.

TREATMENT CAPACITY	1,500 GPD
MIN. PRIMARY TANK OR CHAMBER VOLUME	1,500 GAL
REACTOR TANK OR CHAMBER VOLUME	2,100 GAL
MIN. DISCHARGE FROM TANK	48"
BOD LOADING	3.75 LBS/DAY
RECOMMENDED DISTANCE UNDER REACTOR BOX	19"
CFM REQUIREMENTS	36 CFM

E150NCA REACTOR IN CONCRETE TANK			 DELTA TREATMENT SYSTEMS 9125 COMAR DRIVE, WALKER, LA (800) 219-9183
Drawn by: RCA	Edited by: CGK	Date: 10/14/2020	
Scale: NOT TO SCALE	Checked by: DFH	Sheet: 1 of 3	



FRONT VIEW  
DOOR OPEN  
CP22



**NOTES:**

1. Blower Model K03
2. Setting High Level Pressure Switch  
Bring plant to operating water level with compressor turned on.  
Using properly sized screw driver, turn high level alarm adjustment screw clockwise until alarm occurs.  
Once alarm occurs, turn the screw counter-clockwise until alarm stops.  
Low Level Pressure Switch set by Delta Treatment Systems.
3. All of Delta's control panels are manufactured to UL508A requirements. All enclosures are NEMA rated.
4. Pressure switch tubing is used for high and low level pressure detection.
5. All piping from the blower to the ECOPOD to be 2" SCH 40 PVC pipe.
6. All blowers are housed in a polyethylene enclosure supplied with necessary piping for installation.

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E150NCA BLOWER/CP DETAIL		 DELTA TREATMENT SYSTEMS 9125 COMAR DRIVE, WALKER, LA (800) 219-9183	
Drawn by: RCA	Date: 12/16/2019		
Scale: NOT TO SCALE	Checked by: DFH		

ECOPOD SERIES SPECIFICATIONS

1. The ECOPOD Series is an Advanced, Fixed Film Wastewater Treatment device from 500 to 2,000 GPD. It has been tested under NSF/ANSI 40 and 245 and exceeds (Class 1) requirements for effluent quality. The ECOPOD significantly reduces nutrients in the wastewater as well as BOD & TSS and performs nitrification and denitrification in a single tank. The ECOPOD series utilizes a Fixed Film process which is characteristically stable, reliable, and sturdy. Fixed Film is a preferred treatment process in many areas for on-site wastewater treatment systems.
2. The ECOPOD consists of a media container, engineered media, air diffusion system, specially designed discharge outlet tee, blower assembly, and control/alarm panel.
3. The reactor tank shall be sized to provide a minimum of 33.6 hours of hydraulic detention time at the average daily flow (ADF). The dilution zone shall also be designed as to provide optimum liquid-solid separation and shall be sized to provide 24 hours hydraulic detention at the ADF rate.
4. The aeration blower shall provide the system with sufficient capacity to furnish the treatment units air requirements. The blower(s) shall be capable of delivering a minimum of 4,850 cubic feet per pound of BOD<sub>5</sub> influent at required discharge pressure.
5. An electrical control panel shall be furnished with each compressor that will protect the compressor from overload and failure to start. Included in the panel shall be a pressure switch alarm system that will sound an alarm upon loss of air supply as well as a high water. System shall be NSF/ANSI International certified utilizing UL rated components in an indoor/outdoor NEMA rated enclosure.
6. Air delivery system shall be constructed of schedule 40 PVC pipe. Delta patented air ports are provided for non-clogging and shall be maintenance free.
7. All necessary piping and valves inside the plant shall be PVC and provided by the manufacturer. At the exterior wall of the plant, as shown on the plans, the manufacturer shall provide properly sized inlet and outlet connections. The manufacturer shall not be responsible for piping or valves outside the plant. Contractor or owner shall be responsible for necessary piping and valves between all system components.
8. All workmanship and materials shall be of the highest quality. The waste treatment plant shall be the product of an experienced manufacturer actively engaged in manufacturing and research and development of sewage treatment systems. NSF/ANSI certification reports and NSF International determination letters shall be available upon request of the engineer.

Delta Treatment Systems, LLC has a limited warranty on the parts in each treatment system for a period of (2) years. All warranty questions shall be resolved through Delta Treatment Systems, LLC. The warranty on the treatment device is that the device is free from defects in material and workmanship from the date of installation treating household wastewater. The warranty does not cover treatment processes and devices that have been flooded, by external means, or that have been disassembled by unauthorized persons, improperly installed, subjected to external damage or damaged due to altered or improper wiring of overload protection.

E150NCA REACTOR IN CONCRETE TANK			 DELTA TREATMENT SYSTEMS 9125 COMAR DRIVE, WALKER, LA (800) 219-9183
Drawn by: RCA	Date: 12/16/2019		
Scale: NOT TO SCALE	Checked by: DFH	Sheet: 3 of 3	