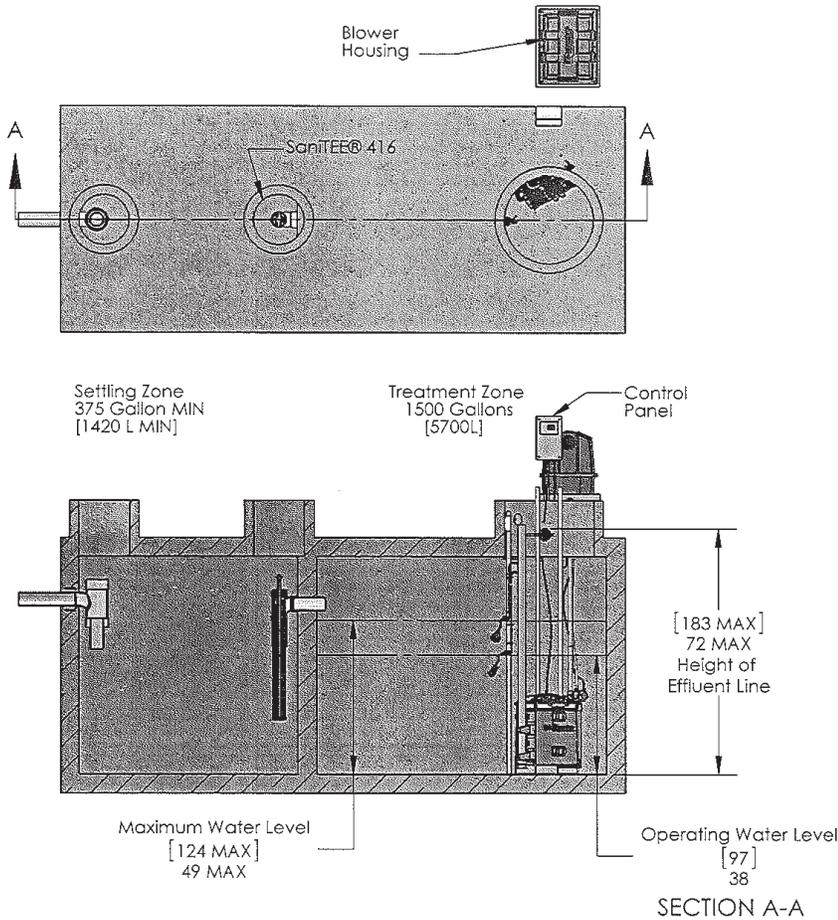


20140136 B



NOTES

1. Blower piping to BioBarrier® MBR® may not exceed 40 FT [12 m] total length and use 4 elbows maximum per train. For distances greater than 40 FT [12 m] - consult factory. Blowers must be located above flood/standing water levels on concrete bases 26" X 20" X 2" [65 X 50 X 5cm] minimum.
2. Run vent(s) to desired location above finish grade and cover opening(s) with vent grate(s) w/at least 12 sq in. [77 sq. cm] of total open surface area. Secure with stainless steel screws. Vent piping must not allow excess moisture build up or back pressure.
3. All appurtenances to BioBarrier® (e.g. tank pump outs, etc.) must conform to all country, state, province, and local plumbing and electrical codes.
4. The BioBarrier® MBR® control systems are provided by Bio-Microbics, Inc.
5. The primary compartments may be a separate tank.
6. The baffle separating the settling and the treatment chambers shall be sealed to the top of the tank, as shown on the drawing. Ventilation for the settling zone shall be provided for in the same manner as a traditional septic tank.
7. All inspection, viewing, access, and pump out ports must be secured, to prevent accidental or unauthorized access.
8. Tank, anchors, piping, conduit, blower housing pads and vents are provided by others.
9. All piping and ancillary equipment installed after BioBarrier® MBR®, must not impede or restrict filtrate pump.
10. BioBarrier® MBR® assemblies must be secured to the tanks to prevent movement or floatation(see Installation Instructions for details).
11. If less than any of the specified minimums is considered necessary, consult factory for guidance.

DO NOT SCALE  
UNLESS NOTED  
DIMENSIONS  
ARE IN INCHES  
[CENTIMETERS]  
TOLERANCES  
± 0.02 IN/IN  
[± 0.05 CM/CM]

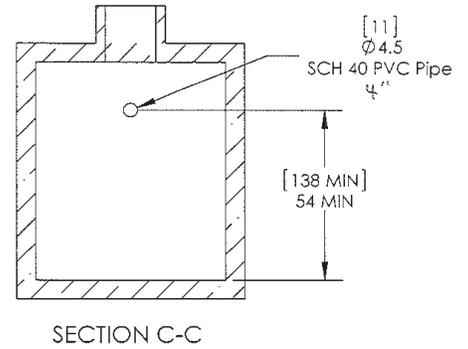
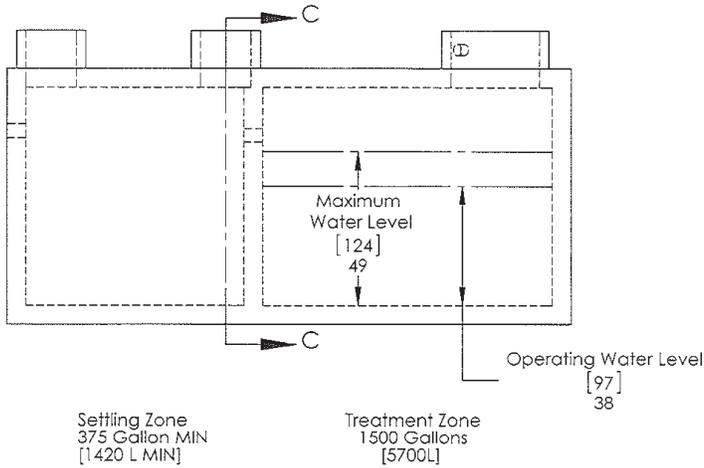


MBR 0.5

WEIGHT	Id	SIZE	DRAWING NUMBER	SHEET 1 OF 6
DRAWN	NAME	DATE	MBR® 0.5	
CHECKED	PF	5/13/2014	REVISED 5/13/2014	
			REV. INI-04-G	

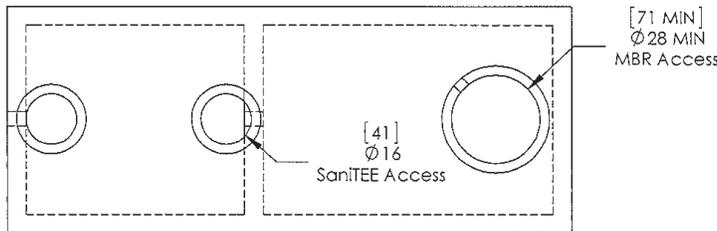
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NOTES

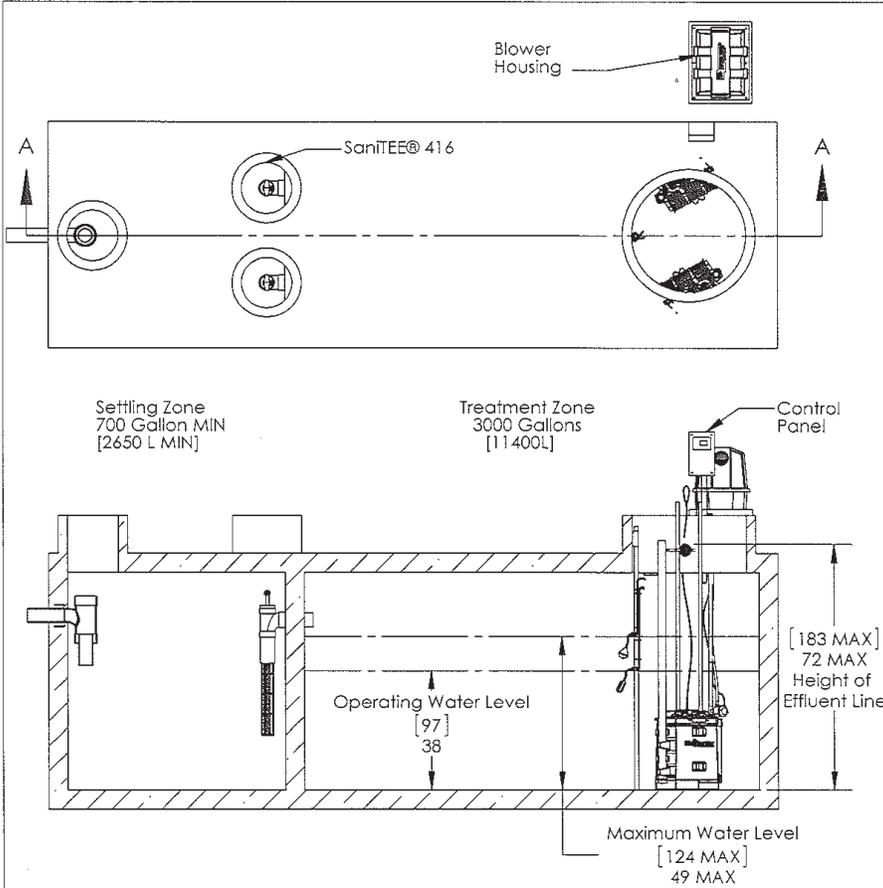
1. All appurtenances to BioBarrier® (e.g. tank pump outs, etc.) must conform to all country, state, province, and local plumbing and electrical codes.
2. The primary compartment may be a separate tank.
3. The baffle separating the settling and treatment chambers shall extend to the top of the tank locating discharge port above the Maximum water level as shown on the drawing. Ventilation for the settling zone shall be provided through a house vent line or a vent in the tank itself.
4. All inspection, viewing, access, and pump out ports must be secured, to prevent accidental or unauthorized access.
5. Tank, anchors, piping, conduit, blower concrete base and vents are provided by others.
6. All piping and ancillary equipment installed after BioBarrier®, must not impede or restrict free flow of effluent.
7. BioBarrier® module must be secured to the tank to prevent movement or floatation (See installation manual).
8. Min Volume is determined based on the frequency of sludge wasting. For a reduced pump out schedule, tank volume should be increased, consult factory for guidance.
9. If less than any of the specified minimums is considered necessary, consult factory for guidance.



DO NOT SCALE		 <p>BETTER WATER. BETTER WORLD.™</p> <p>MBR 0.5</p>		
UNLESS NOTED DIMENSIONS ARE IN INCHES [CENTIMETERS] TOLERANCES ± 0.02 IN/IN [± 0.05 CM/CM]				
WEIGHT	lb	SIZE	DRAWING NUMBER	SHEET 3 OF 6
		A	Tank Details MBR 0.5	
DRAWN	CIC	DATE	11/25/2009	
CHECKED	PF	DATE	5/13/2014	REV. INI-04-N

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NOTES

1. Blower piping to BioBarrier® MBR® may not exceed 40 FT [12 m] total length and use 4 elbows maximum per train. For distances greater than 40 FT [12 m] - consult factory. Blowers must be located above flood/standing water levels on concrete bases 26" X 20" X 2" [65 X 50 X 5cm] minimum.
2. Run vent(s) to desired location above finish grade and cover opening(s) with vent grate(s) w/at least 12 sq in. [77 sq. cm] of total open surface area. Secure with stainless steel screws. Vent piping must not allow excess moisture build up or back pressure.
3. All appurtenances to BioBarrier® (e.g. tank pump outs, etc.) must conform to all country, state, province, and local plumbing and electrical codes.
4. The BioBarrier® MBR® control systems are provided by Bio-Microbics, Inc.
5. The primary compartments may be a separate tank.
6. The baffle separating the settling and the treatment chambers shall be sealed to the top of the tank, as shown on the drawing. Ventilation for the settling zone shall be provided for in the same manner as a traditional septic tank.
7. All inspection, viewing, access, and pump out ports must be secured, to prevent accidental or unauthorized access.
8. Tank, anchors, piping, conduit, blower housing pads and vents are provided by others.
9. All piping and ancillary equipment installed after BioBarrier® MBR®, must not impede or restrict filtrate pump.
10. BioBarrier® MBR® assemblies must be secured to the tanks to prevent movement or floatation(see Installation Instructions for details).
11. If less than any of the specified minimums is considered necessary, consult factory for guidance.

SECTION A-A

DO NOT SCALE  
UNLESS NOTED  
DIMENSIONS  
ARE IN INCHES  
[CENTIMETERS]  
TOLERANCES  
± 0.02 IN/IN  
[± 0.05 CM/CM]

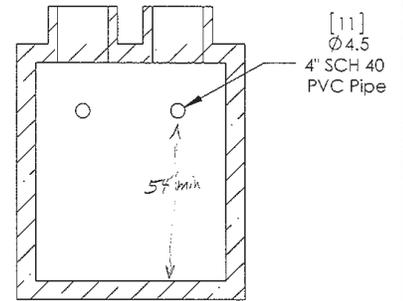
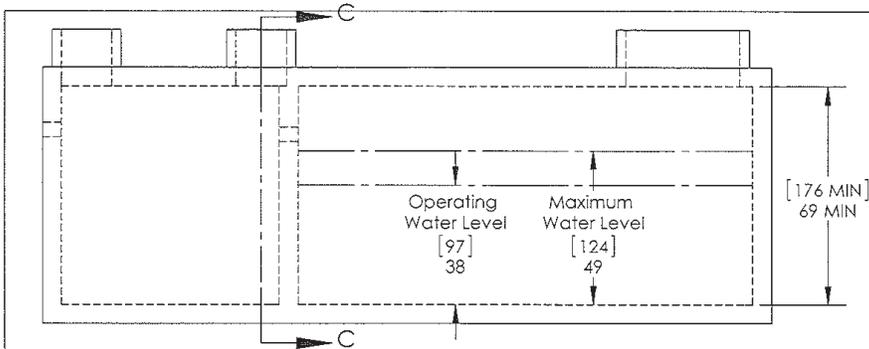


MBR 1.0

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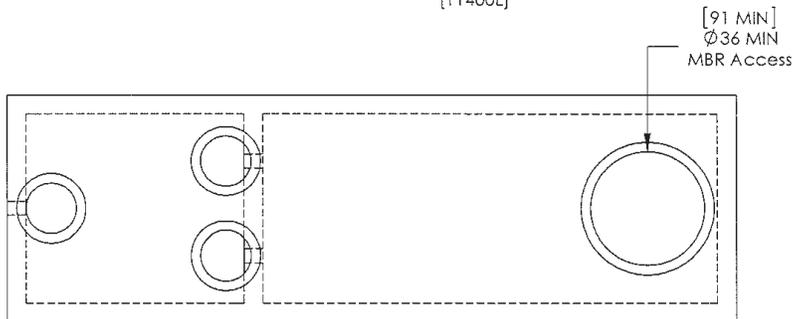
WEIGHT	lb	SIZE	DRAWING NUMBER	SHEET 1 OF 6
NAME	DATE	A	MBR® 1.0	
DRAWN	CTC	11/25/2009	REVISED 5/13/2014	
CHECKED	PF	5/13/2014	REV. INI-04-H	



SECTION C-C

Settling Zone  
700 Gallon MIN  
[2650 L MIN]

Treatment Zone  
3000 Gallons  
[11400L]



NOTES

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2. The primary compartment may be a separate tank.
3. The baffle separating the settling and treatment chambers shall extend to the top of the tank locating discharge port above the Maximum water level as shown on the drawing. Ventilation for the settling zone shall be provided through a house vent line or a vent in the tank itself.
4. All inspection, viewing, access, and pump out ports must be secured, to prevent accidental or unauthorized access.
5. Tank, anchors, piping, conduit, blower concrete base and vents are provided by others.
6. All piping and ancillary equipment installed after BioBarrier®, must not impede or restrict free flow of effluent.
7. BioBarrier® module must be secured to the tank to prevent movement or flotation (See installation manual).
8. Min Volume is determined based on the frequency of sludge wasting. For a reduced pump out schedule, tank volume should be increased, consult factory for guidance.
9. If less than any of the specified minimums is considered necessary, consult factory for guidance.

DO NOT SCALE  
UNLESS NOTED  
DIMENSIONS  
ARE IN INCHES  
(CENTIMETERS)  
TOLERANCES  
± 0.02 IN/IN  
[± 0.05 CM/CM]



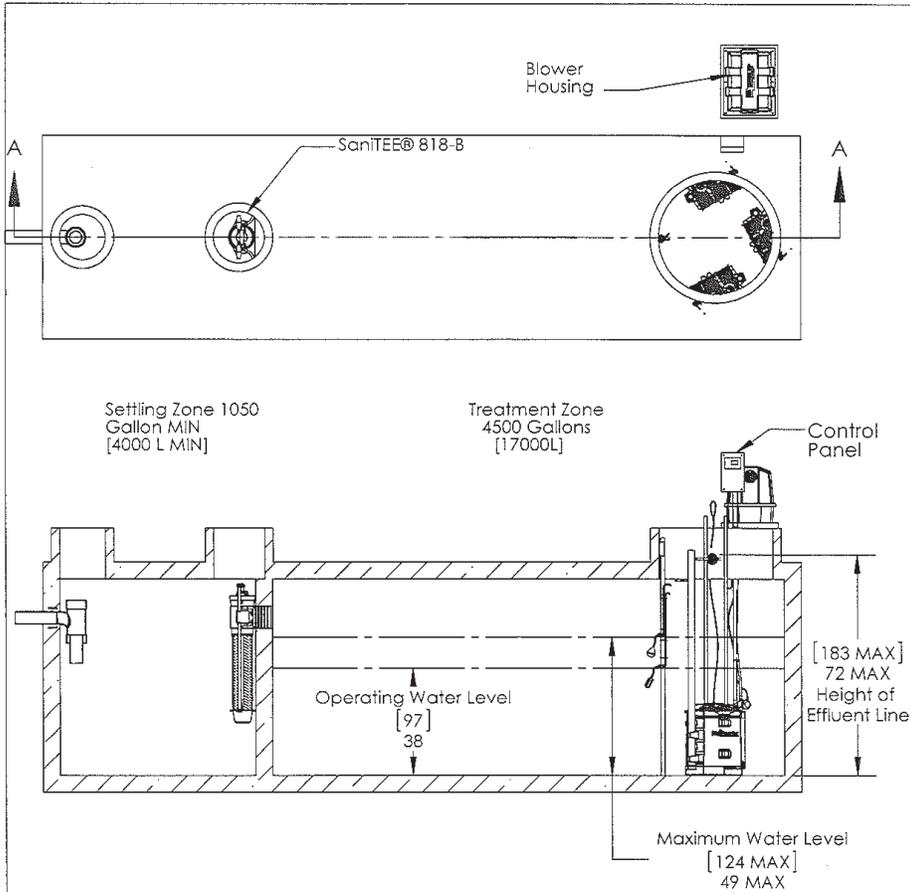
MBR 1.0

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WEIGHT	lb	SIZE	DRAWING NUMBER	SHEET 3 OF 6
NAME	DATE	A	Tank Details MBR 1.0	
DRAWN	CTC	11/25/2009		
CHECKED	PF	5/13/2014	REVISED 5/13/2014 REV. INI-04-N	

201401368



NOTES

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9. All piping and ancillary equipment installed after BioBarrier® MBR®, must not impede or restrict filtrate pump.
10. BioBarrier® MBR® assemblies must be secured to the tanks to prevent movement or floatation(see Installation Instructions for details).
11. If less than any of the specified minimums is considered necessary, consult factory for guidance.

SECTION A-A

DO NOT SCALE  
UNLESS NOTED  
DIMENSIONS  
ARE IN INCHES  
[CENTIMETERS]  
TOLERANCES  
± 0.02 IN/IN  
[± 0.05 CM/CM]

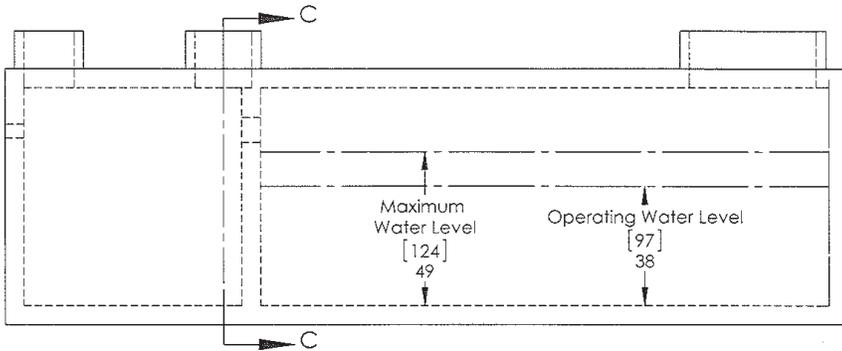


MBR 1.5

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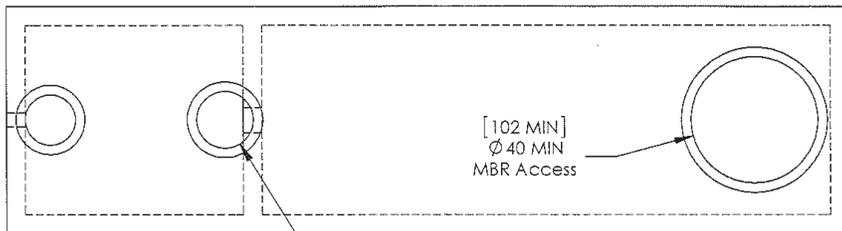
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WEIGHT	lb	SIZE	DRAWING NUMBER	SHEET 1 OF 6
NAME	DATE	A	MBR® 1.5	
DRAWN	CIC			
CHECKED	PF	5/13/2014	REVISED 5/13/2014    REV. IN-04-1	



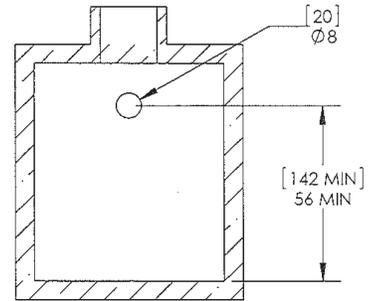
Settling Zone  
1050 Gallon MIN  
[4000 L MIN]

Treatment Zone  
4500 Gallons  
[17000L]



[46]  
Ø 18  
SaniTEE Access

[102 MIN]  
Ø 40 MIN  
MBR Access



SECTION C-C

NOTES

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DO NOT SCALE  
UNLESS NOTED  
DIMENSIONS  
ARE IN INCHES  
[CENTIMETERS]  
TOLERANCES  
± 0.02 IN/IN  
[± 0.05 CM/CM]



MBR 1.5

WEIGHT	ID	SIZE	DRAWING NUMBER	SHEET 3 OF 6
NAME	DATE	A	Tank Details MBR 1.5	
DRAWN	CIC	11/25/2009		
CHECKED	PF	5/13/2014	REVISED 5/13/2014	
			REV. INI-04-N	

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