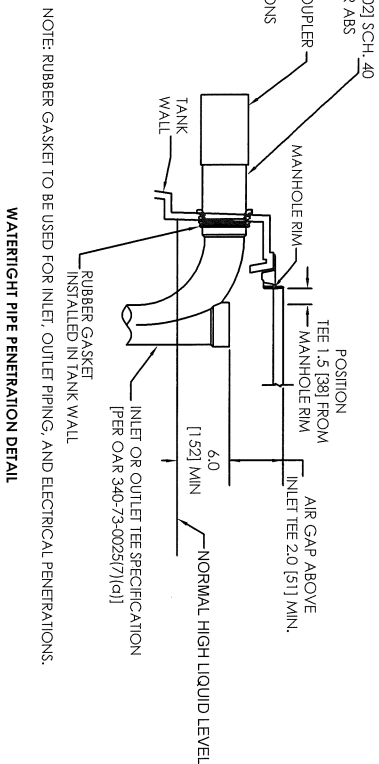


**STRUCTURAL DESIGN LOADS**

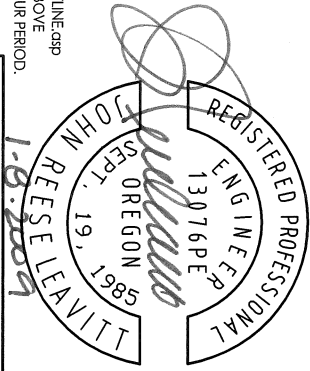
HYDRAULIC	-	62.5	pcf
HYDROSTATIC	-	62.5	pcf
EARTH	-	330	psf
TRAFFIC	-	2,500	lbf
W/ 3 OF COVER	-		
TANK IS NOT			
TRAFFIC RATED			



NOTE: RUBBER GASKET TO BE USED FOR INLET, OUTLET PIPING, AND ELECTRICAL PENETRATIONS.

**WATERTIGHT PIPE PENETRATION DETAIL**

- GENERAL NOTES:**
1. TANK IS NOT RATED FOR VEHICULAR TRAFFIC LOADING. A 2,500 lb WHEEL LOAD IS THE MAXIMUM CAPACITY.
  2. ALL RESIN USED IS COMPLIANT WITH IAPMO STANDARDS. THE TANK IS IAPMO CERTIFIED.
  3. TANK MARKINGS INCLUDE: MANUFACTURER NAME, LIQUID CAPACITY, MANUFACTURE DATE AND MAXIMUM BURIAL DEPTH.
  4. EXTERIOR OF MANHOLE COVER INCLUDES THE FOLLOWING WARNING: "DANGER DO NOT ENTER POISON GASES" WRITTEN IN ENGLISH, FRENCH AND SPANISH.
  5. MAXIMUM BURIAL DEPTH IS 36 IN (914 MM). MINIMUM BURIAL DEPTH IS 6 IN (152 MM).
  6. DIMENSIONS ON DRAWINGS SHOWN IN INCHES (MILLIMETERS).
  7. TANK WALL THICKNESS IS 0.7 IN (18 MM).
  8. SEE INSTALLATION PROCEDURES AND DETAILS FOR TANK INSTALLATION PROVIDED AT WWW.INFILTRATORSYSTEMS.COM/PRODUCTLINE/SEPTIC/PRODUCTLINE.asp
  9. A WATER TIGHTNESS TEST IS REQUIRED PER OAR 340-07-30025(3). TESTING SHALL BE CONDUCTED BY FILING THE TANK TO A POINT AT LEAST 2 INCHES ABOVE THE POINT OF RISER CONNECTION TO THE TOP OF THE TANK. DURING THE TEST THERE MAY BE NO MORE THAN A ONE GALLON LEAKAGE OVER A 24-HOUR PERIOD.
  10. INLET AND OUTLET FITTINGS MUST BE INSTALLED PER OAR 340-07-30025(7).
  11. THE TANK IS NOT DESIGNED FOR ABOVE-GRADE APPLICATIONS.
  12. THE RISER COVER IS LESS THAN 75 POUNDS.
  13. FOR TANK BENDING INSTALLATION, THE TANK SHOULD BE INSTALLED IN SUITABLE NATIVE SOIL OR A MINIMUM 40 (102) LAYER OF PEA STONE SAND GRAVEL OR OTHER GRANULAR MATERIAL IF NATIVE MATERIAL IS UNSUITABLE. SUITABLE SOIL SHALL BE FREE-FLOWING AND SHOULD NOT HAVE STONES GREATER THAN 3 IN (76 mm) IN DIAMETER OR CLOUDS THAT DO NOT BREAK APART DURING COMPACTION.
  14. EFFLUENT FILTER INSTALLED SHALL COMPLY WITH OAR 340-73-00355.

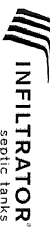


EXPIRATION DATE: 12-31-2009

**LEAVITT & ASSOCIATES**  
ENGINEERS, INC.  
STRUCTURAL \* CIVIL  
SURVEYING

1324 FIRST STREET SOUTH, WAPPA, IDAHO 83351  
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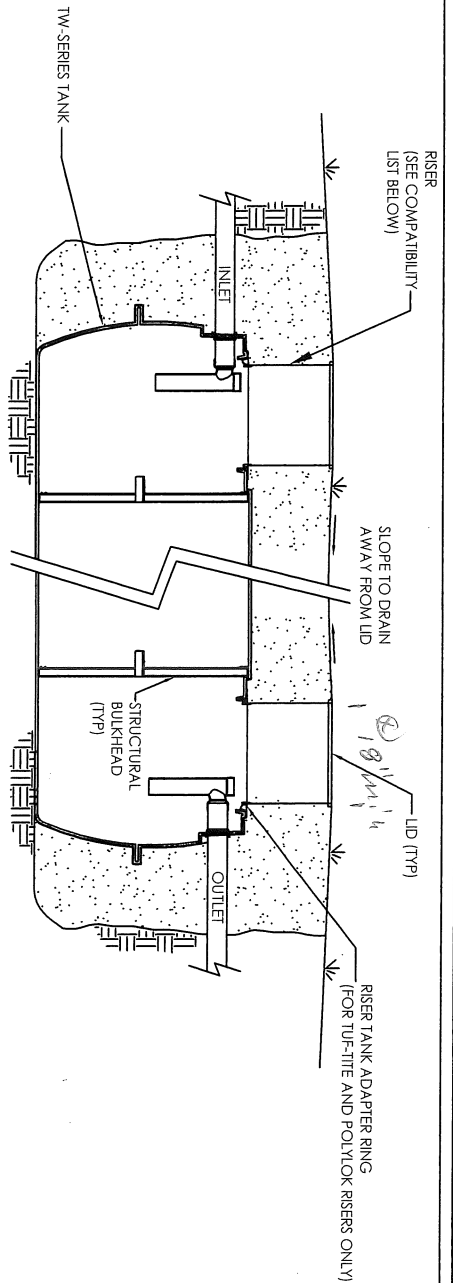
PARAMETER	UNITS	TW-1050
TOTAL VOLUME	gal [l]	1,212 [4,886]
WORKING VOLUME	gal [l]	1,052 [3,981]
LENGTH	In [mm]	123.7 [3,142]
WIDTH	In [mm]	66.0 [1,676]
HEIGHT	In [mm]	50.6 [1,285]
LIQUID LEVEL	In [mm]	39.75 [1,010]
FREEBOARD	In [mm]	10.1 [256]
INVERT DROP	In [mm]	2.25 [57]
INCREMENTAL VOLUME	gal/in [L/cm]	24.8 [37]
WEIGHT	lbs [kg]	410.0 [186]



INFILTRATORS SYSTEMS INC.  
6 Business Park Rd., Old Saybrook, CT 06475  
(860) 221-4436

Drawn by: R.D.	DWG NO: 1	Date: 9-18-08
Scale: Not to Scale	Checked by: ERK	Sheet: 1 of 2
OREGON TW-1050 SINGLE CHAMBER SEPTIC TANK		

PLAN APPROVED  
BY: D.E.O.  
Date: 5/29/09 Signed: [Signature]



See PE check list

**RISER AND LID CONNECTION**

DETAILED, PRODUCT-SPECIFIC RISER AND LID CONNECTION GUIDANCE IS AVAILABLE FROM INFILTRATOR SYSTEMS, INC. AT [HTTP://WWW.INFILTRATORSYSTEMS.COM/PRODUCTLINE/TWSERIES](http://www.infiltratorsystems.com/productline/twseries) INFILTRATOR.ASP. THE RISER CONNECTION GUIDANCE DOCUMENT PROVIDES A FULL DESCRIPTION OF THE CONNECTION TYPE AND METHOD FOR EACH COMPATIBLE RISER.

**COMPATIBLE RISER AND LID PRODUCTS**

- THE TW-SERIES TANK IS COMPATIBLE WITH 24-INCH (600-MM) DIAMETER RISER AND LID PRODUCTS FROM THE FOLLOWING MANUFACTURERS:
  - POLYLOK, INC. – COMPATIBLE POLYLOK PART IS #3009-RTFR24 (RISER-TO-RISER ADAPTER)
  - TUF-TITE CORPORATION
  - E-Z SET COMPANY
- THE FOLLOWING 24-INCH (600-MM) DIAMETER PIPE PRODUCTS ARE ALSO COMPATIBLE WITH THE TW-SERIES TANK:
  - IPEX ULTRA-RIB POLYVINYL CHLORIDE PIPE - USE THE POLYLOK 24-INCH (600 MM) HEAVY DUTY COVER, 24-INCH (600 MM) JACKEL SEPTIC TANK RISER COVER, OR EQUIVALENT PRODUCT AS A LID FOR THE IPEX PVC PIPE
  - CORRUGATED HIGH DENSITY POLYETHYLENE (HDPE) PIPE - USE THE POLYLOK 24-INCH (600 MM X 9.5 MM) HEAVY DUTY COVER, ROTOSOLUTIONS 24-INCH (600 MM) SEPTIC LID, 24-INCH (600 MM) JACKEL SEPTIC TANK RISER OR EQUIVALENT PRODUCT AS A LID FOR THE HDPE PIPE

**RISER CONNECTION AT TANK – GENERAL PROCEDURES**

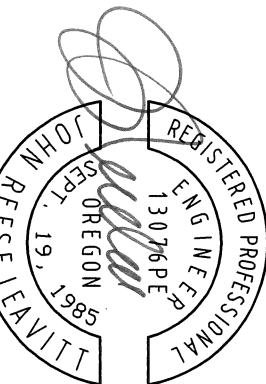
1. APPLY BUTYL ROPE SEALANT BETWEEN RISER PARTS AND TANK AS SHOWN IN INFILTRATOR SYSTEMS, INC.'S TW-SERIES SEPTIC TANK RISER CONNECTION GUIDANCE DOCUMENT.
2. ENSURE THAT ALL CONNECTION SURFACES ARE CLEAN AND DRY.
3. BUTYL ROPE SEALANT SHALL MEET ASTM C990-91 REQUIREMENTS.
4. BUTYL ROPE SEALANT DIMENSIONS VARY BETWEEN MANUFACTURERS. THE INSTALLER MUST USE DISCRETION IN DETERMINING THE SIZE AND AMOUNT OF BUTYL ROPE SEALANT NEEDED TO CRAFT AND MAINTAIN A WATERTIGHT SEAL.
5. KEEP BUTYL ROPE SEALANT AT A TEMPERATURE THAT MAINTAINS ITS WORKABILITY. KEEP IT FREE FROM DIRT AND DEBRIS THAT MAY COMPROMISE A WATERTIGHT SEAL.
6. WHEN APPLYING BUTYL ROPE SEALANT TO A PART, ENSURE CONTINUOUS APPLICATION TO AVOID GAPS THAT MAY CAUSE LEAKS. APPLY AN ADEQUATE QUANTITY TO ENSURE A SEALED CONNECTION.
7. PHYSICALLY PRESS THE BUTYL ROPE SEALANT ONTO THE PART TO ENSURE THAT IT STAYS PROPERLY POSITIONED DURING ASSEMBLY.
8. ENSURE THAT ALL SCREWS SUPPLIED WITH RISER PRODUCTS ARE INSTALLED FOR CONNECTION OF ADAPTER RINGS, RISERS, AND LIDS.
9. DO NOT OVER TIGHTEN SCREWS. THIS MAY DAMAGE THE PLASTIC PARTS BEING CONNECTED, CAUSING THE SCREW CONNECTION TO FAIL. THIS MAY ALSO STRIP THE SCREW HEAD. USE TYPE 304 STAINLESS STEEL SCREWS.

**WATERTIGHTNESS TESTING**

1. CONDUCT WATERTIGHTNESS TESTING PER OAR 340-073-0025(3).
2. THE INSTALLER MUST TEST EACH TANK FOR WATERTIGHTNESS BY FILLING THE TANK TO A POINT AT LEAST 2 INCHES ABOVE THE POINT OF RISER CONNECTION TO THE TOP OF TANK.
3. DURING THE TEST, THERE MAY BE NO MORE THAN ONE GALLON OF LEAKAGE OVER A 24-HOUR PERIOD.

PLAN APPROVED  
BY D.E.O.

Date: 5/29/09 Signed: [Signature]



EXPIRATION DATE: 12-31-2009

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		INFILTRATOR SYSTEMS, INC. 6 Business Park Rd. Old Saybrook, CT 06475 (800) 221-4435	
		OREGON RISER INSTALLATION CONFIGURATION	
Drawn by: R.D.	DWG NO. 2	Date:	9-18-08
Scale: Not to Scale	Checked by: EPK	Sheet:	2 of 2