

TREATMENT PERFORMANCE RESULTS

Burke Wastewater Systems
Corandulla, Co. Galway, Ireland

Tpw Systems Ltd.
Screen, Co. Wexford, Ireland

EN 12566-3

Results corresponding to EN 12566-3 and S.R. 66
PIA-SR66-1705-1044.02

Small wastewater treatment system Burke Wastewater / Tpw
EUROTANK
Biological Aeration Filter (BAF)

Nominal organic daily load	0.33 kg/d		
Nominal hydraulic daily load	0.90 m³/d		
Material	Concrete		
Watertightness	Pass		
Crushing resistance (load test)	Pass (also wet conditions)		
Durability	Pass		
Treatment efficiency (nominal sequences)		Efficiency	Effluent
	COD	94.0 %	51 mg/l
	BOD ₅	96.1 %	12 mg/l
	NH ₄ -N*	99.1 %	0.3 mg/l
	SS	96.2 %	15 mg/l
Number of desludging	Not more than once		
Electrical consumption	1.3 kWh/d		
*determined for temperatures ≥ 12°C in the bioreactor			

Performance tested by:

PIA – Prüfinstitut für Abwassertechnik GmbH
(PIA GmbH)
Hergenrather Weg 30
52074 Aachen, Germany

This document replaces neither the declaration
of performance nor the CE marking.



Notified Body
No.: 1739



Certified according to
ISO 9001:2008



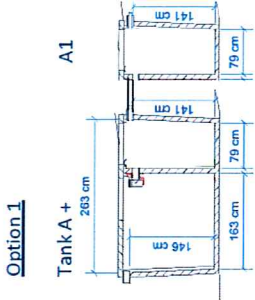
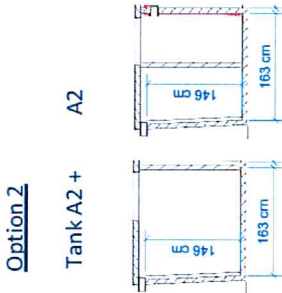
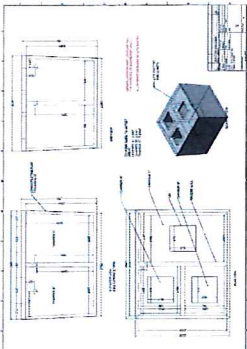
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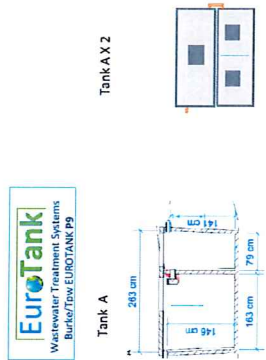
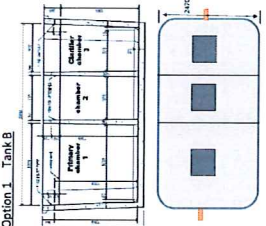
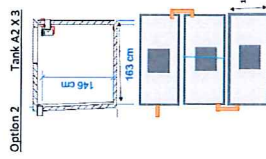
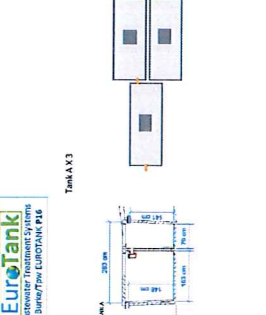
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Lo. Wermter
geprüft - tested - testé

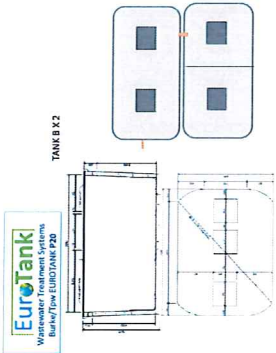
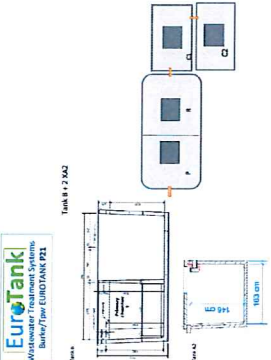
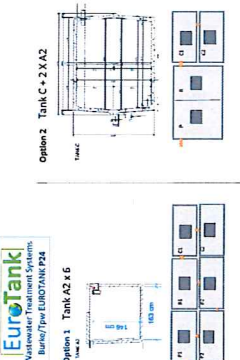
Verschitz / Wermter

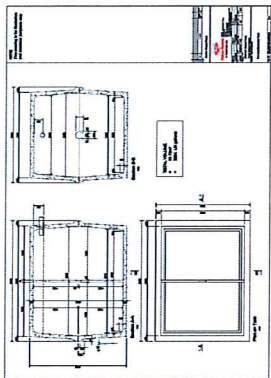
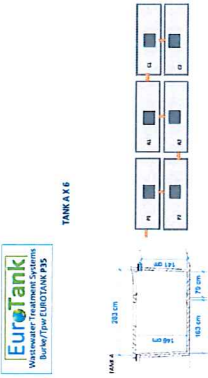
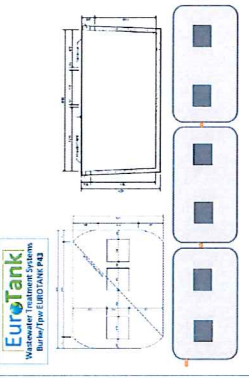
August 2019

EUROTANK range and its referring test reports:

Name of the model and/or population equivalent (PE)	Drawing of model of the range	Watertightness (EN 12566-3 Annex A)	Treatment Efficiency (EN 12566-3 Annex B)	Structural Behaviour (EN 12566-3 Annex C)	Durability
Initial Type Test (ITT) 6.1 900 l/d		Pass PIA2016-WD-1604-1051.01	Pass PIA2017-285B49	Pass For wet ground conditions also, 1.00 m installation depth from inlet invert.	Pass PIA2016-DH-1604-1051.01
6.2 900 l/d		Pass PIA2016-WD-1604-1051.01	Pass Range conformity check according to S.R. 66:2015	Pass For wet ground conditions also, 1.00 m installation depth from inlet invert.	Pass PIA2016-DH-1604-1051.01
8 1,200 l/d		Pass PIA2019-WD-1903-1019	Pass Range conformity check according to S.R. 66:2015	Pass For wet ground conditions also, 1.00 m installation depth from inlet invert	Pass PIA2016-DH-1604-1051.01

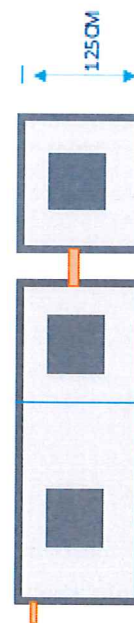
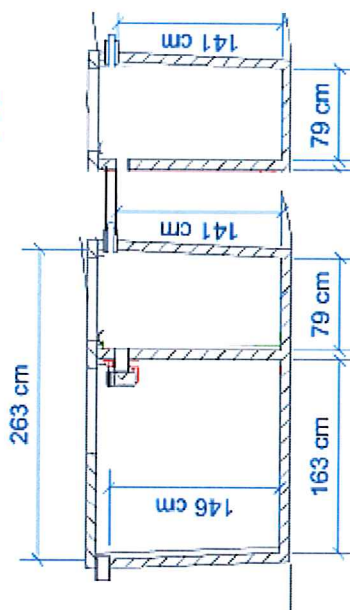
Name of the model and/or population equivalent (PE)	Drawing of model of the range	Watertightness (EN 12566-3 Annex A)	Treatment Efficiency (EN 12566-3 Annex B)	Structural Behaviour (EN 12566-3 Annex C)	Durability
9 1,350 I/d		Pass PIA2016-WD-1604-1051.01	Pass Range conformity check according to S.R. 66:2015	Pass For wet ground conditions also, 1.00 m installation depth from inlet invert.	Pass PIA2016-DH-1604-1051.01
11.1 1,650 I/d		Pass PIA2016-WD-1604-1051.01	Pass Range conformity check according to S.R. 66:2015	Pass For wet ground conditions also, 1.00 m installation depth from inlet invert.	Pass PIA2016-DH-1604-1051.01
11.2 1,650 I/d		Pass PIA2016-WD-1604-1051.01	Pass Range conformity check according to S.R. 66:2015	Pass For wet ground conditions also, 1.00 m installation depth from inlet invert.	Pass PIA2016-DH-1604-1051.01
16 2,400 I/d		Pass PIA2016-WD-1604-1051.01	Pass Range conformity check according to S.R. 66:2015	Pass For wet ground conditions also, 1.00 m installation depth from inlet invert.	Pass PIA2016-DH-1604-1051.01

Name of the model and/or population equivalent (PE)	Drawing of model of the range	Watertightness (EN 12566-3 Annex A)	Treatment Efficiency (EN 12566-3 Annex B)	Structural Behaviour (EN 12566-3 Annex C)	Durability
20 3,000 l/d		Pass PIA2016-WD-1604-1051.01	Pass Range conformity check according to S.R. 66:2015	Pass For wet ground conditions also, 1.00 m installation depth from inlet invert.	Pass PIA2016-DH-1604-1051.01
21 3,150 l/d		Pass PIA2016-WD-1604-1051.01	Pass Range conformity check according to S.R. 66:2015	Pass For wet ground conditions also, 1.00 m installation depth from inlet invert.	Pass PIA2016-DH-1604-1051.01
24.1 3,600 l/d		Pass PIA2016-WD-1604-1051.01	Pass Range conformity check according to S.R. 66:2015	Pass For wet ground conditions also, 1.00 m installation depth from inlet invert.	Pass PIA2016-DH-1604-1051.01

Name of the model and/or population equivalent (PE)	Drawing of model of the range	Watertightness (EN 12566-3 Annex A)	Treatment Efficiency (EN 12566-3 Annex B)	Structural Behaviour (EN 12566-3 Annex C)	Durability
24.2 3,600 l/d		Pass PIA2016-WD-1604-1051.01	Pass Range conformity check according to S.R. 66:2015	PIA2019-ST-BT-1903-1019 For wet ground conditions also, 1.00 m installation depth from inlet invert.	Pass PIA2016-DH-1604-1051.01
35 5,250 l/d		Pass PIA2016-WD-1604-1051.01	Pass Range conformity check according to S.R. 66:2015	Pass For wet ground conditions also, 1.00 m installation depth from inlet invert.	Pass PIA2016-DH-1604-1051.01
43 6,450 l/d		Pass PIA2016-WD-1604-1051.01	Pass Range conformity check according to S.R. 66:2015	PIA2019-ST-BT-1903-1019 For wet ground conditions also, 1.00 m installation depth from inlet invert.	Pass PIA2016-DH-1604-1051.01

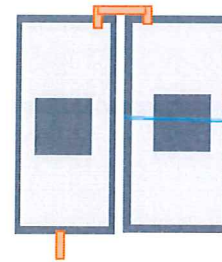
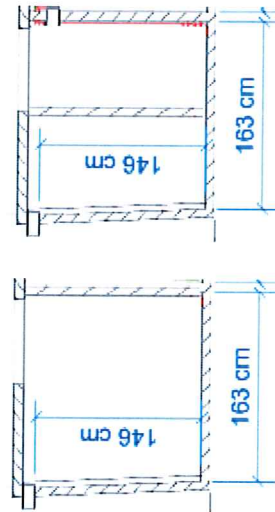
Option 1

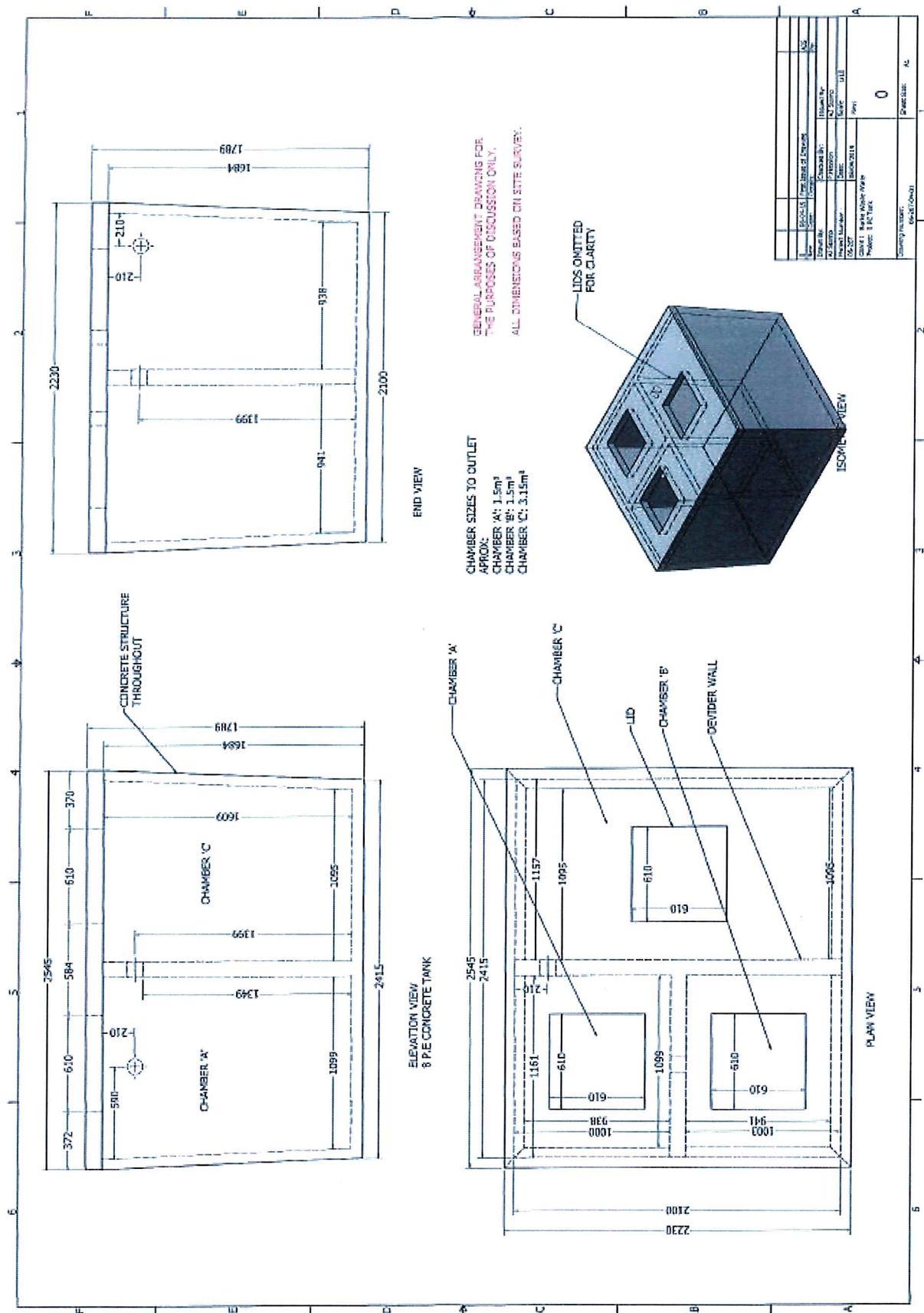
Tank A + A1



Option 2

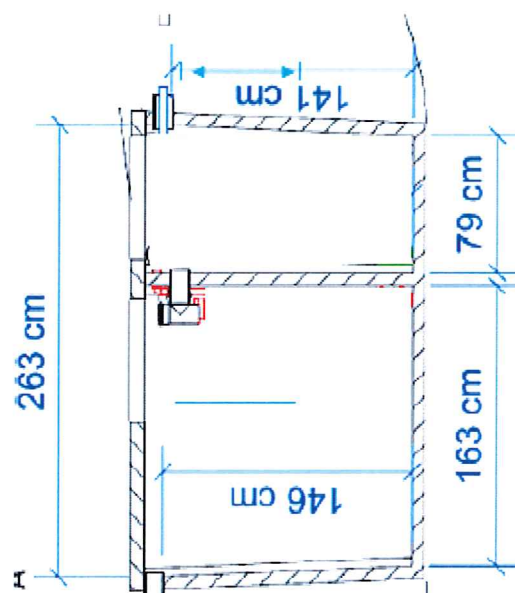
Tank A2 + A2



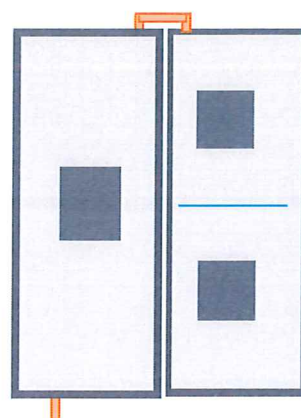


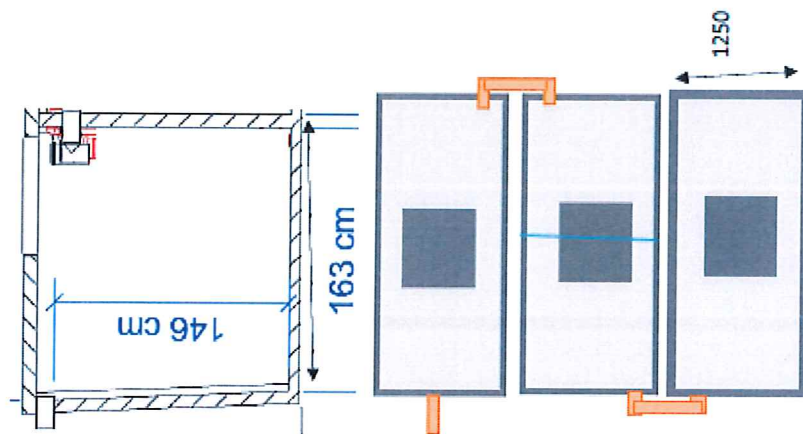


Tank A



Tank A X 2

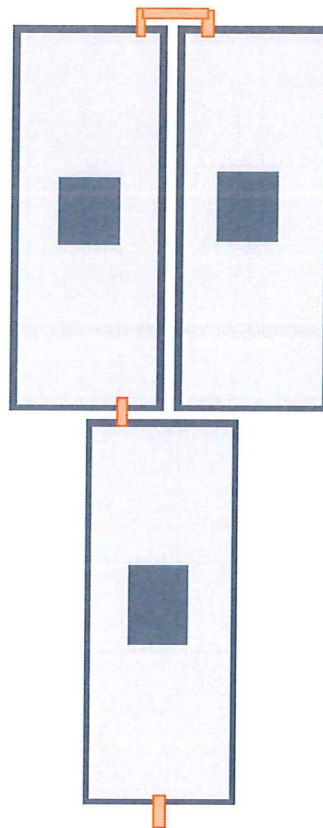
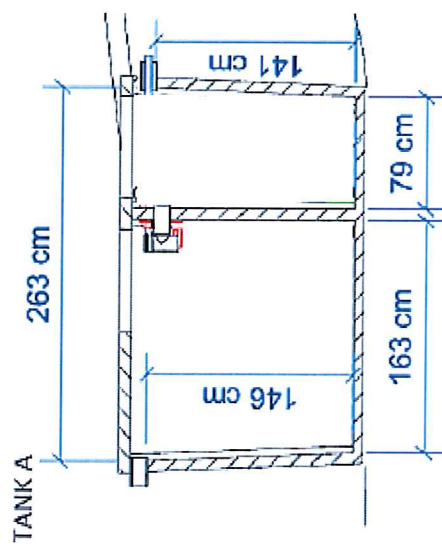






EuroTank
Wastewater Treatment Systems
Burke/Tipw EUROTANK P16

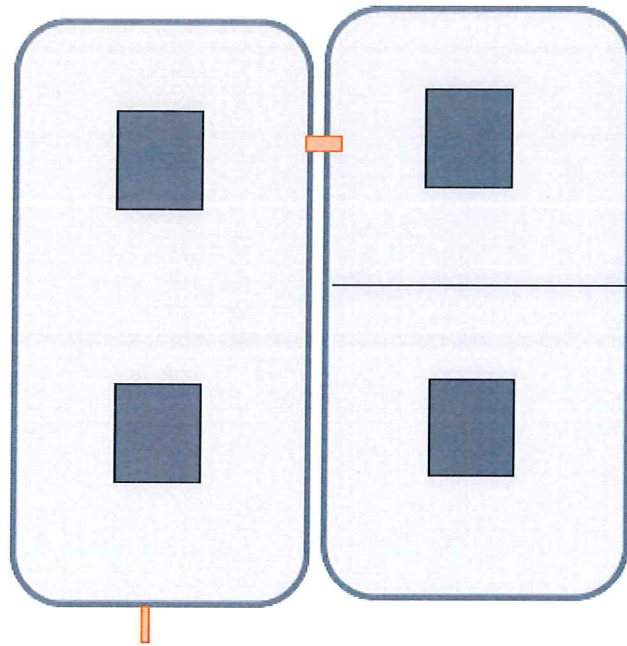
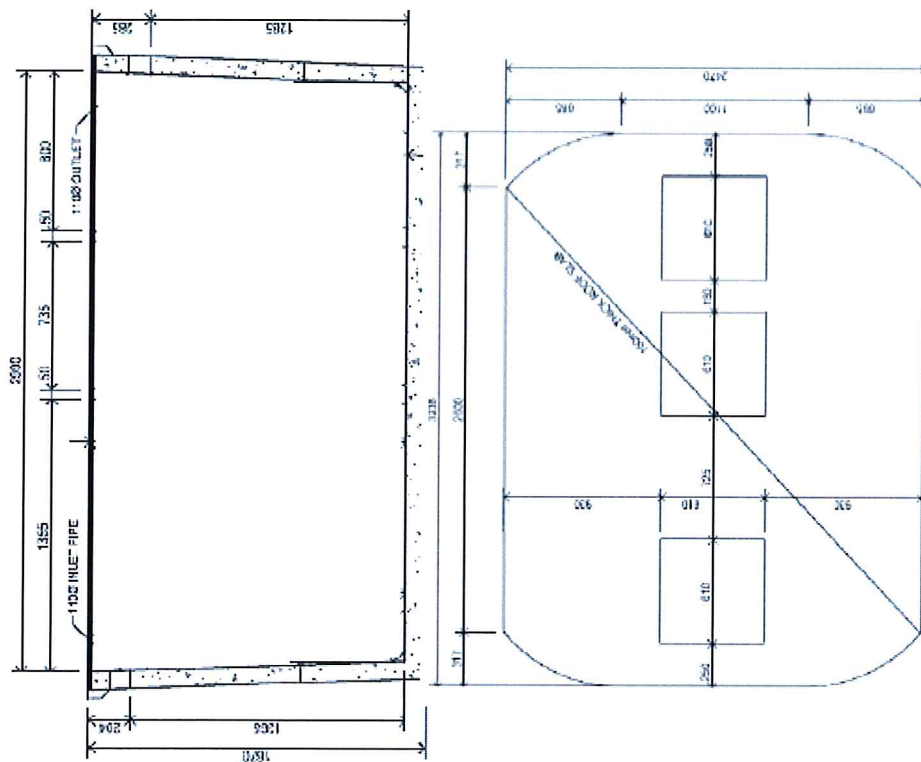
Tank A X 3



EuroTank

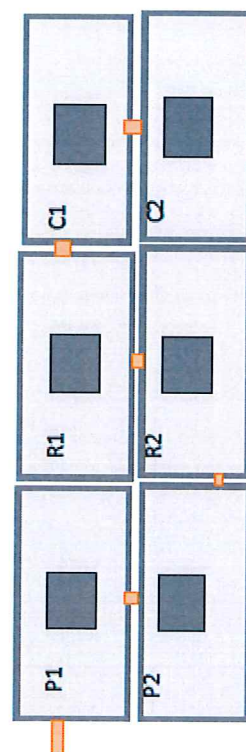
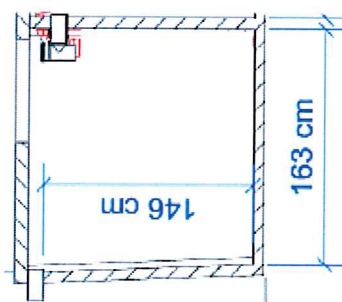
Wastewater Treatment Systems
Burke/Typ EUROTANK P20

TANK B X 2

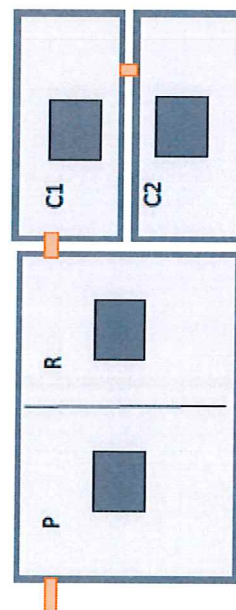
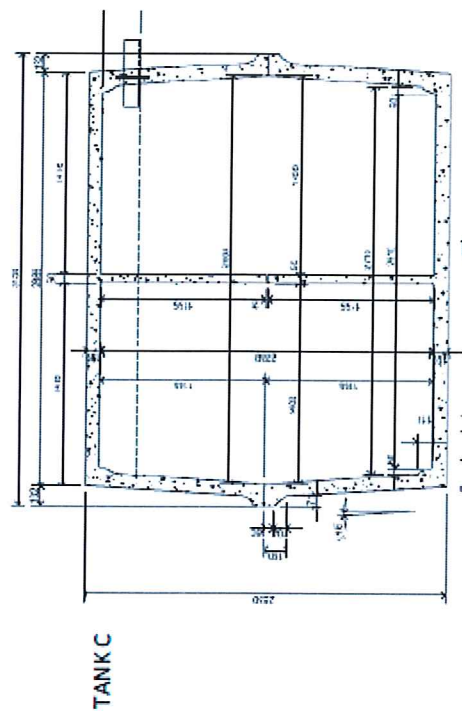


Option 1 Tank A2 x 6

TANK A2



Option 2 Tank C + 2 X A2

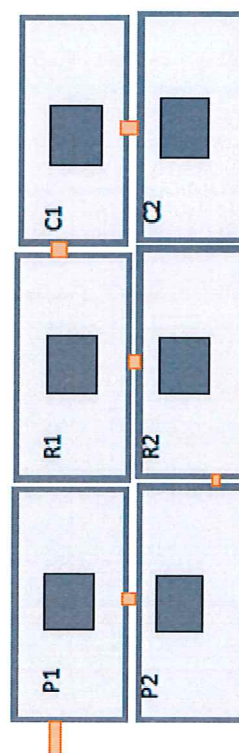
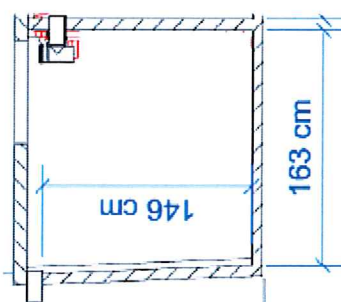


EuroTank

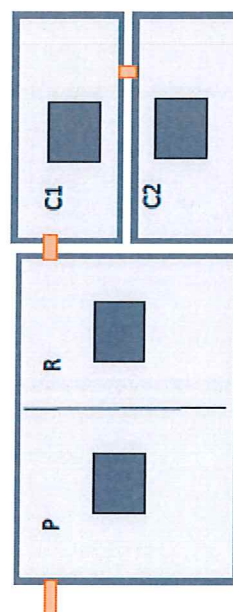
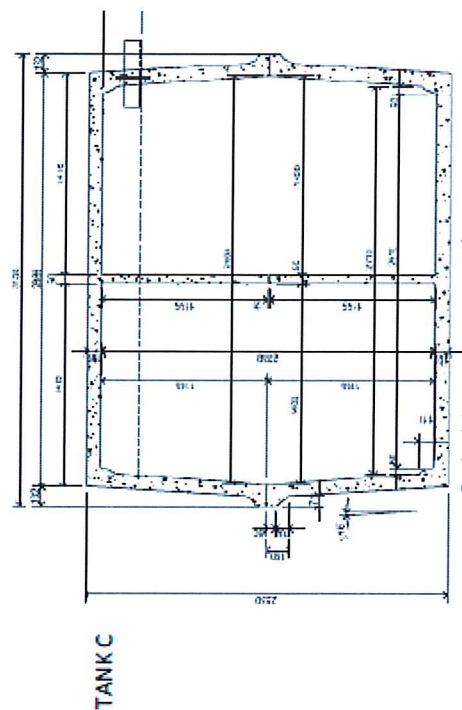
Wastewater Treatment Systems
Burke/TPW EuroTank P24

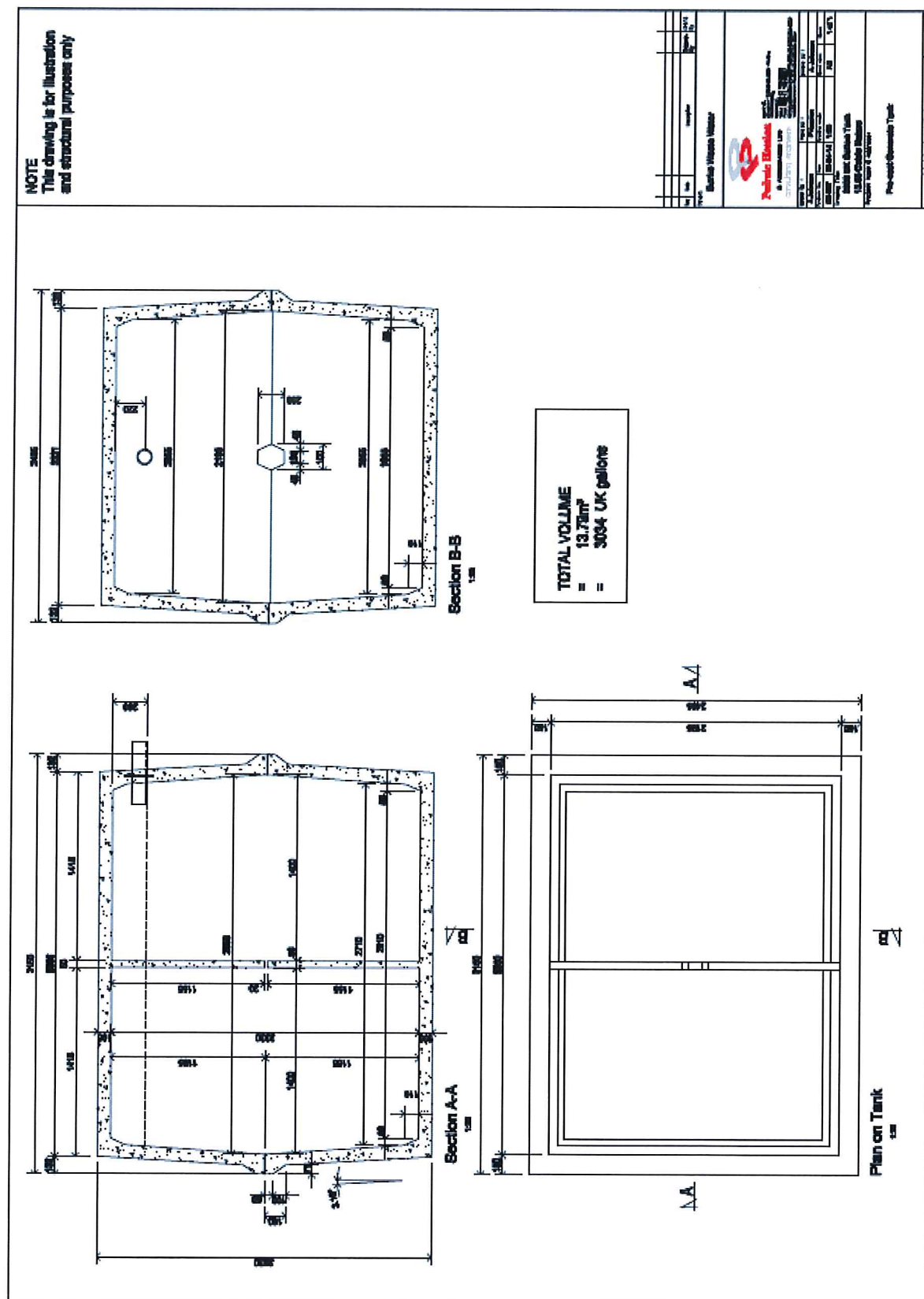
Option 1 Tank A2 x 6

TANK A2



Option 2 Tank C + 2 X A2







TANK A X 6

