

TANK-AXONOMETRIC

### DISCLAIMER

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TANK COMPONENTS			
No.	Description	Material/Qty.	Remarks
1	Water tank	FRP	1 Colour Gray
2	Manhole Cover	FRP	2 S/S Hinges & Locks
3	Internal Ladder	FRP	2 Height : 2.5m
4	External Ladder	GI	2 Height : 2.5m
5	Air vent	PVC	2 UGPT & Insect Proof 4" Cow Type
6	Inlet with Vortex plate	A B UPVC	1 Ø3"
7	Outlet	A B UPVC	1 Ø3"
8	Drainage	UPVC	2 Ø3"
9	Overflow	A B UPVC	1 Ø6"
10	Level Controls	UPVC	2 Ø3"
11	Interconnection	UPVC	2 Connection Flange
12	Water Level Gage	C&M	2 Height : 2.5m
13	Side Manway	FRP	2

STEEL FRAME DIMENSIONS	
a	Modular Steel Footing

CAUTIONS	
NOTES:	
1. Allow a minimum space of 50 cm all around the tank's foundation.	
2. Maximum allowable deviation in concrete foundation = +/- 2mm.	
3. We will not be held liable if the erection of our water tanks are not made in accordance to the technical requirements of concrete foundation, steel footing and water tank assembly drawings.	
4. Overflow shall be minimum twice the volume of inlet.	
5. Overflow shall flow freely to the ground.	
6. Tank should be electrically grounded.	

FRP Panel Type Water Tanks	
Seismic Load Kh=0.3G	
Tank size:	(2.45+0.10+1.45)x2x2.5
Capacity:	20 m <sup>3</sup> 5,283 USG 4,399 ImpG
Bolts / Nuts:	S/S-A4
Insulation:	Non-Insulated

Order No.:

Project Name:

APTUS APARTMENT

Contractor:

COUGAR USA

Consultant:

Reference No.:

Scale: NTS

Page No.

Done By: Muhassin

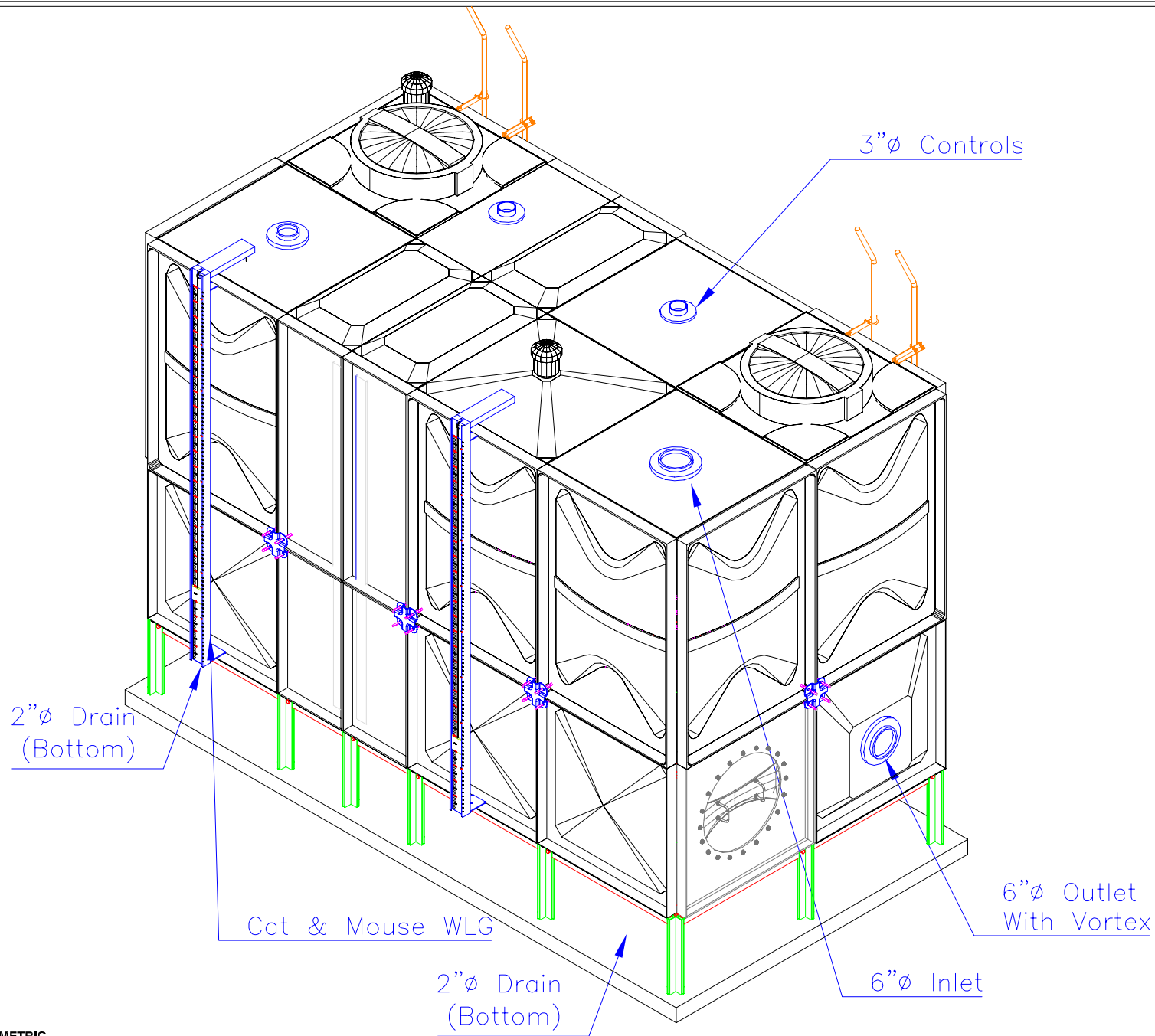
Approved By: JB

Revisions

No.	Date	Description
0	06Oct'20	New

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### TANK COMPONENTS

No.	Description	Material	Qty.	Remarks
1	Water tank	FRP	1	Colour Gray
2	Manhole Cover	FRP	2	S/S Hinges & Locks
3	Internal Ladder	FRP	2	Height : 2.5m
4	External Ladder	GI	2	Height : 2.5m
5	Air vent	PVC	2	UGPT & Insect Proof 4" Cowl Type
6	Inlet with Vortex plate	A B UPVC	1 Ø20	
7	Outlet	A B UPVC	1 Ø20	
8	Drainage	UPVC	2 Ø20	
9	Overflow	A B UPVC	1 Ø20	
10	Level Controls	UPVC	2 Ø20	
11	Interconnection	UPVC	2	Connection Flange
12	Water Level Gage	C&M	2	Height : 2.5m
13	Site Manway	FRP	2	

### STEEL FRAME DIMENSIONS

a	Modular Steel Footing
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### NOTES:

1. Allow a minimum space of 50 cm all around the tank's foundation.
2. Maximum allowable deviation in concrete foundation =  $\pm 2$ mm.
3. We will not be held liable if the erection of our water tanks are not made in accordance to the technical requirements of concrete foundation, steel footing and water tank assembly drawings.
4. Overflow shall be minimum twice the volume of inlet.
5. Overflow shall flow freely to the ground.
6. Tank should be electrically grounded.

### CAUTIONS

### FRP Panel Type Water Tanks

Seismic Load  $K_1=0.3G$

<b>Tank size:</b>	<b>(2.45+0.10+1.45)x2x2.5</b>		
<b>Capacity:</b>	20 m <sup>3</sup>	5,283 USG	4,399 ImpG
<b>Bolts / Nuts:</b>	S/S-A4		
<b>Insulation:</b>	Non-Insulated		

**Order No.:**

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**APTUS APARTMENT**

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**COUGAR USA**

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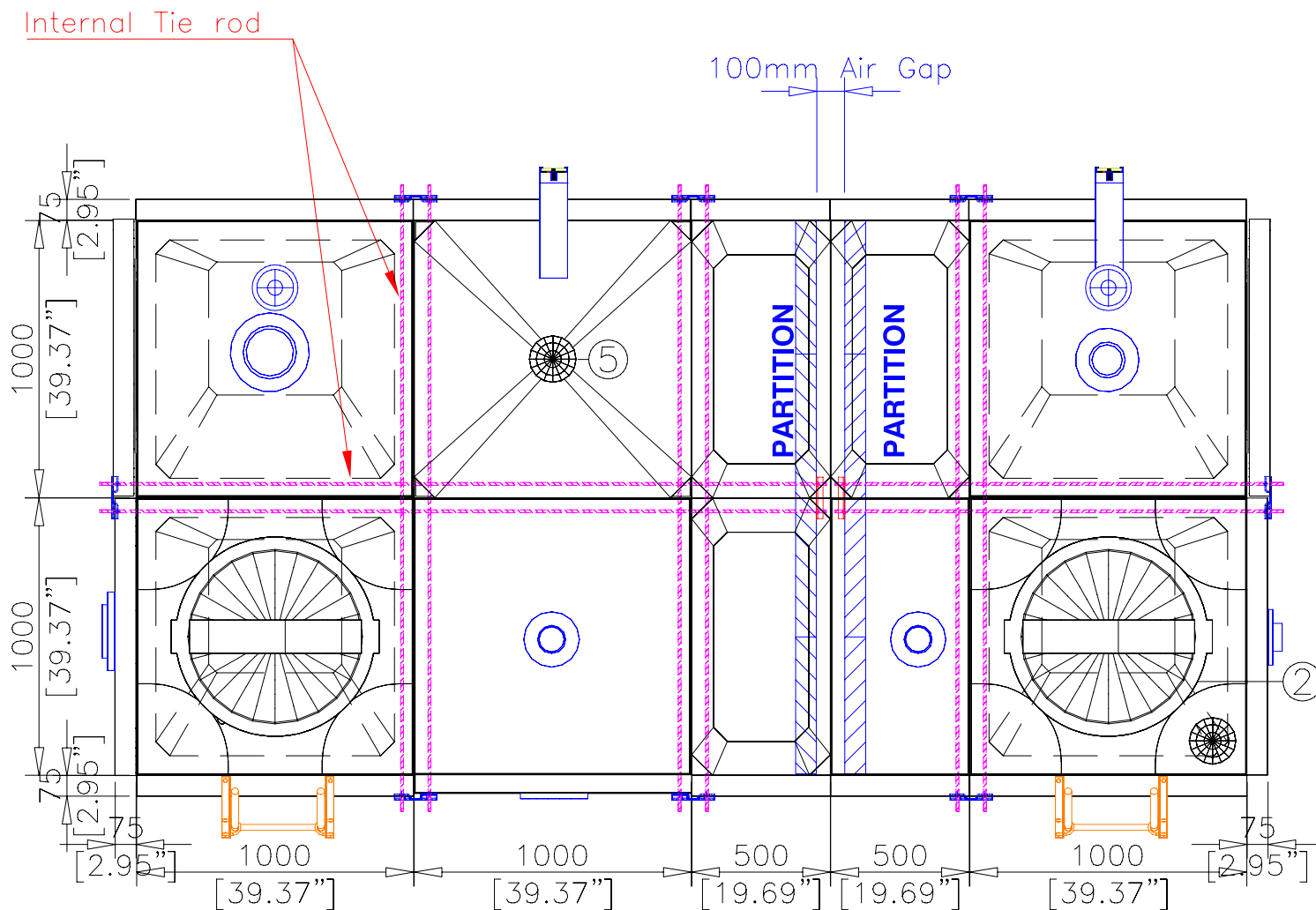
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TANK-PLAN

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TANK COMPONENTS			
No.	Description	Material/Qty.	Remarks
1	Water tank	FRP	1 Colour Gray
2	Manhole Cover	FRP	2 S/S Hinges & Locks
3	Internal Ladder	FRP	2 Height : 2.5m
4	External Ladder	GI	2 Height : 2.5m
5	Air vent	PVC	2 UGPT & Insect Proof 4" Cow Type
6	Inlet with Vortex plate	A B UPVC	1 Ø75
7	Outlet	A B UPVC	1 Ø75
8	Drainage	UPVC	2 Ø75
9	Overflow	A B UPVC	1 Ø75
10	Level Controls	UPVC	2 Ø75
11	Interconnection	UPVC	2 Connection Flange
12	Water Level Gauge	C&M	2 Height : 2.5m
13	Skid Manway	FRP	2

STEEL FRAME DIMENSIONS	
a	Modular Steel Footing

NOTES:	CAUTIONS
1. Allow a minimum space of 50 cm all around the tank's foundation.	
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4. Overflow shall be minimum twice the volume of inlet.	
5. Overflow shall flow freely to the ground.	
6. Tank should be electrically grounded.	

FRP Panel Type Water Tanks	
Seismic Load K <sub>h</sub> =0.3G	
Tank size:	(2.45+0.10+1.45)x2x2.5
Capacity:	20 m <sup>3</sup> , 5,283 USG, 4,399 ImpG
Bolts / Nuts:	S/S-A4
Insulation:	Non-Insulated

Order No.:	
Project Name:	APTUS APARTMENT

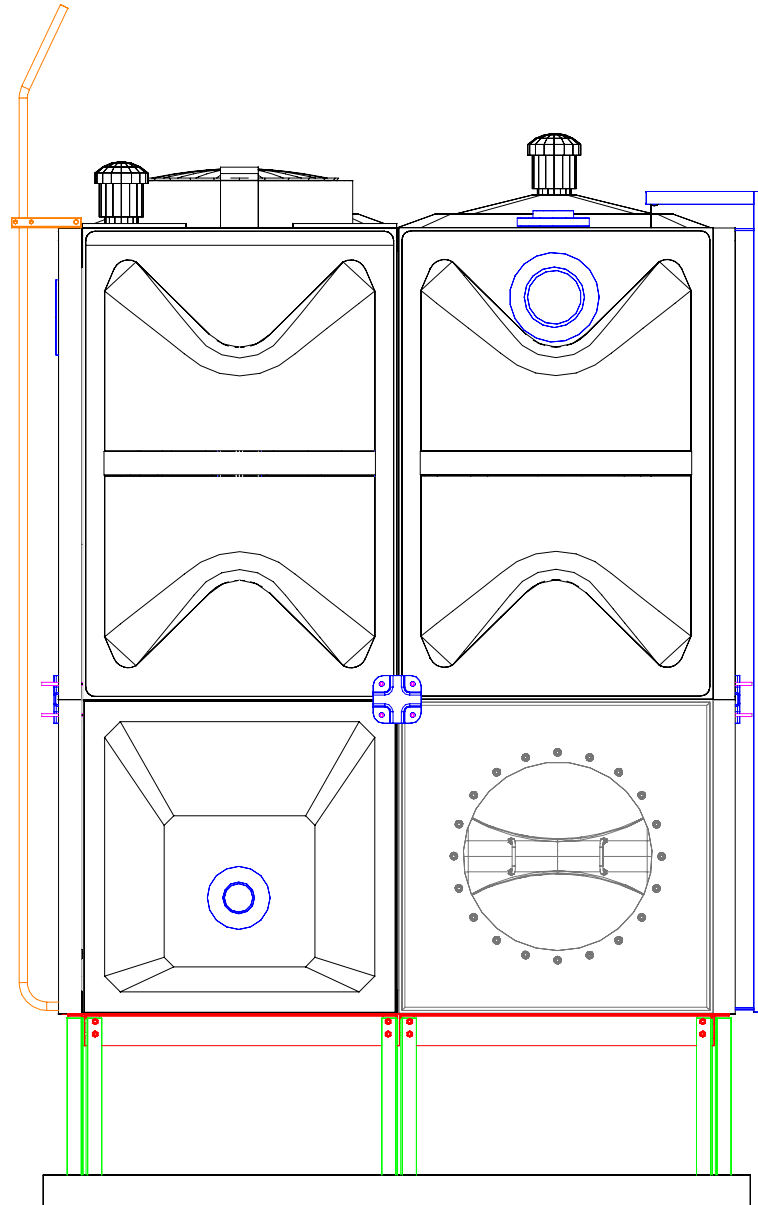
Contractor:	COUGAR USA
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TANK-RIGHT ELEVATION

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No.	Description	Material	Qty.	Remarks
1	Water tank	FRP	1	Colour Gray
2	Manhole Cover	FRP	2	S/S Hinges & Locks
3	Internal Ladder	FRP	2	Height : 2.5m
4	External Ladder	GI	2	Height : 2.5m
5	Air vent	PVC	2	UGPT & Insect Proof 4" Cowl Type
6	Inlet with Vortex plate	A B UPVC	1	Ø75
7	Outlet	A B UPVC	1	Ø75
8	Drainage	UPVC	2	Ø75
9	Overflow	A B UPVC	1	Ø75
10	Level Controls	UPVC	2	Ø75
11	Interconnection	UPVC	2	Connection Flange
12	Water Level Gage	C&M	2	Height : 2.5m
13	Site Manway	FRP	2	

STEEL FRAME DIMENSIONS	
a	Modular Steel Footing

NOTES:

CAUTIONS

1.

Allow a minimum space of 50 cm all around the tank's foundation.

2.

Maximum allowable deviation in concrete foundation =  $\pm 2$ mm.

3.

We will not be held liable if the erection of our water tanks are not made in accordance to the technical requirements of concrete foundation, steel footing and water tank assembly drawings.

4.

Overflow shall be minimum twice the volume of inlet.

5.

Overflow shall flow freely to the ground.

6.

Tank should be electrically grounded.

FRP Panel Type Water Tanks				
Seismic Load $K_h=0.3G$				
Tank size:	(2.45+0.10+1.45)x2x2.5			
Capacity:	20	m <sup>3</sup>	5,283	USG
			4,399	ImpG
Bolts / Nuts:	S/S-A4			
Insulation:	Non-Insulated			

Order No.:

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COUGAR USA

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2500  
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[20.20"]

FREEBOARD

FREEBOARD

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[79.76"]

FINISHED FLOOR LEVEL

FRONT ELEVATION

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4	External Ladder	GI	2 Height : 2.5m
5	Air vent	PVC	2 UGPT & Insect Proof 4" Cow Type
6	Inlet with Vortex plate	A B UPVC	1 4" 2"
7	Outlet	A B UPVC	1 4" 2"
8	Drainage	UPVC	2 2"
9	Overflow	A B UPVC	1 4" 2"
10	Level Controls	UPVC	2 3"
11	Interconnection	UPVC	2 Connection Flange
12	Water Level Gage	C&M	2 Height : 2.5m
13	Side Manway	FRP	2

STEEL FRAME DIMENSIONS	
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Bolts / Nuts:	S/S-A4		
Insulation:	Non-Insulated		

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