

Modular Steel
Footing

Concrete Slab

Vortex Outlet

Side Man Way

Overflow

TANK-AXONOMETRIC

TANK COMPONENTS

No.	Description	Material	Qty	Remarks
1	Water tank	FRP	1	Colour GRAY
2	Manhole Cover	FRP	1	S/S Hinges & Locks
3	Internal Ladder	FRP/SS	1	Height : 2m
4	External Ladder	G.I.	1	Height : 2m
5	Air vent	PVC	2	Light & Insect Proof 4" Cow Type
6	Inlet		1	PVC or FF Steel Threaded Flange
7	Outlet		1	PVC or FF Steel Threaded Flange
8	Drainage		1	PVC or FF Steel Threaded Flange
9	Overflow		1	PVC or FF Steel Threaded Flange
10	Control		1	PVC or FF Steel Threaded Flange
11	Water Level Indicator	GRP/ACRYLIC	1	Height : 2m
12	Vortex Assembly	FRP	1	-
13	Side Man Way	FRP	1	-

NOTES:

1. Allow a minimum space of 50 cm all around the tank's foundation.
2. Maximum allowable deflection in concrete foundation = +/- 2mm.
3. For sizes of items 6, 7, 8, 9 & 10, please refer to catalogue.
4. FTC 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.
5. Overflow shall be minimum twice the volume of inlet.
6. Overflow shall flow freely to the ground.
7. All tanks shall be electrically grounded.

CAUTIONS

GRP Panel Type Water Tanks

Seismic Load $K_h = 0.3G$

Tank size:	8.2x 8.2x 6.56 ft High.		
	2.5x2.5x2 m HIGH		
Volume:	12.5 m ³	3302 USG	Usable 3066
Bolts / Nuts:	S/S A4 - 316		
Insulation:	Non-Insulated		

Project Name:

-

Contractor:

Cougar USA

Consultant:

-

Done By:	JC	Reviewed by:	
		Verified by:	-

Revisions

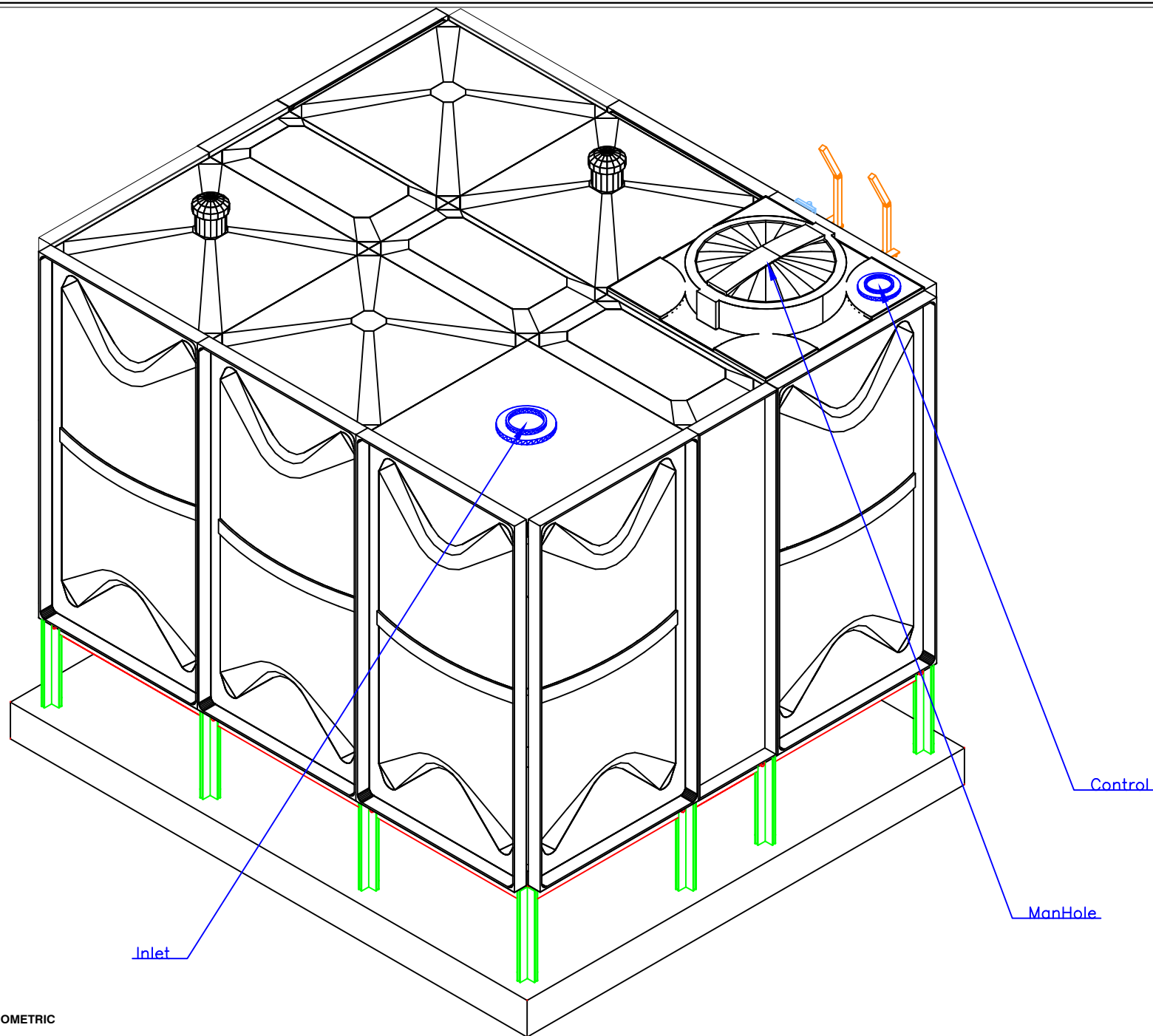
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TANK-AXONOMETRIC

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7. All tanks shall be electrically grounded.				

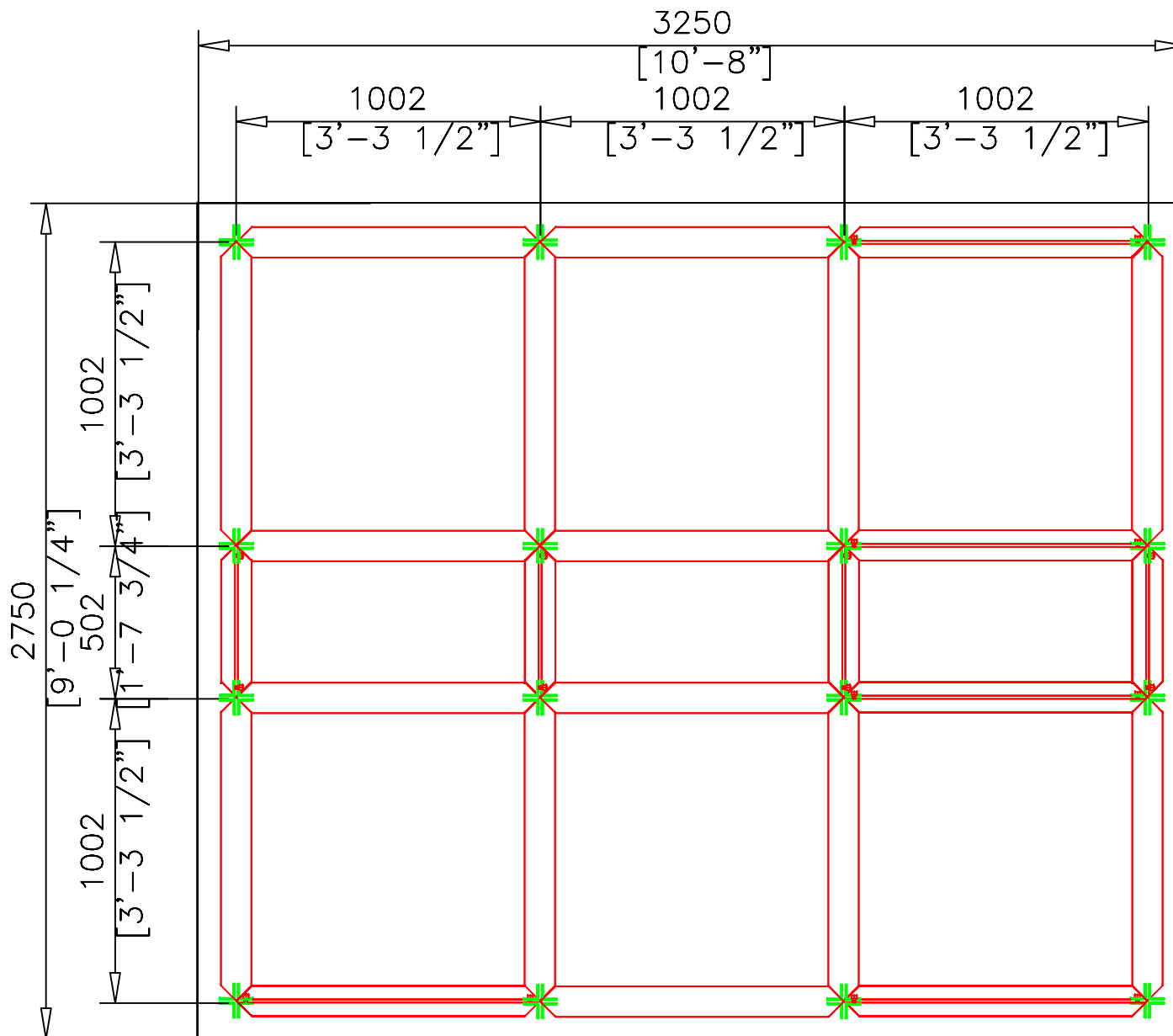
GRP Panel Type Water Tanks				
Seismic Load Kh=0.3G				
Tank size:	8.2x 8.2x 6.56 ft High. 2.5x2.5x2 m HIGH			
Volume:	12.5 m ³	3302 USG	Usable	3066
Bolts / Nuts:	S/S A4 - 316			
Insulation:	Non-Insulated			

Project Name:				
-				

Contractor:				
Cougar USA				
Consultant:				
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Done By:	JC	Reviewed by:		
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STEEL FOOTING-PLAN

TANK COMPONENTS

No.	Description	Material	Qty	Remarks
1	Water tank	FRP	1	Colour GRAY
2	Manhole Cover	FRP	1	S/S Hinges & Locks
3	Internal Ladder	FRP/SS	1	Height : 2m
4	External Ladder	G.I.	1	Height : 2m
5	Air vent	PVC	2	Light & Insect Proof 4" Cow Type
6	Inlet		1	PVC or FF Steel Threaded Flange
7	Outlet		1	PVC or FF Steel Threaded Flange
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12	Vortex Assembly	FRP	1	-
13	Side Man Way	FRP	1	-

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- All tanks shall be electrically grounded.

CAUTIONS

GRP Panel Type Water Tanks

Seismic Load Kh=0.3G

Tank size:	8.2x 8.2x 6.56 ft High. 2.5x2.5x2 m HIGH		
Volume:	12.5 m ³	3302 USG	Usable 3066
Bolts / Nuts:	S/S A4 - 316		
Insulation:	Non-Insulated		

Project Name:

-

Contractor:

Cougar USA

Consultant:

-

Done By:	JC	Reviewed by:	
		Verified by:	-

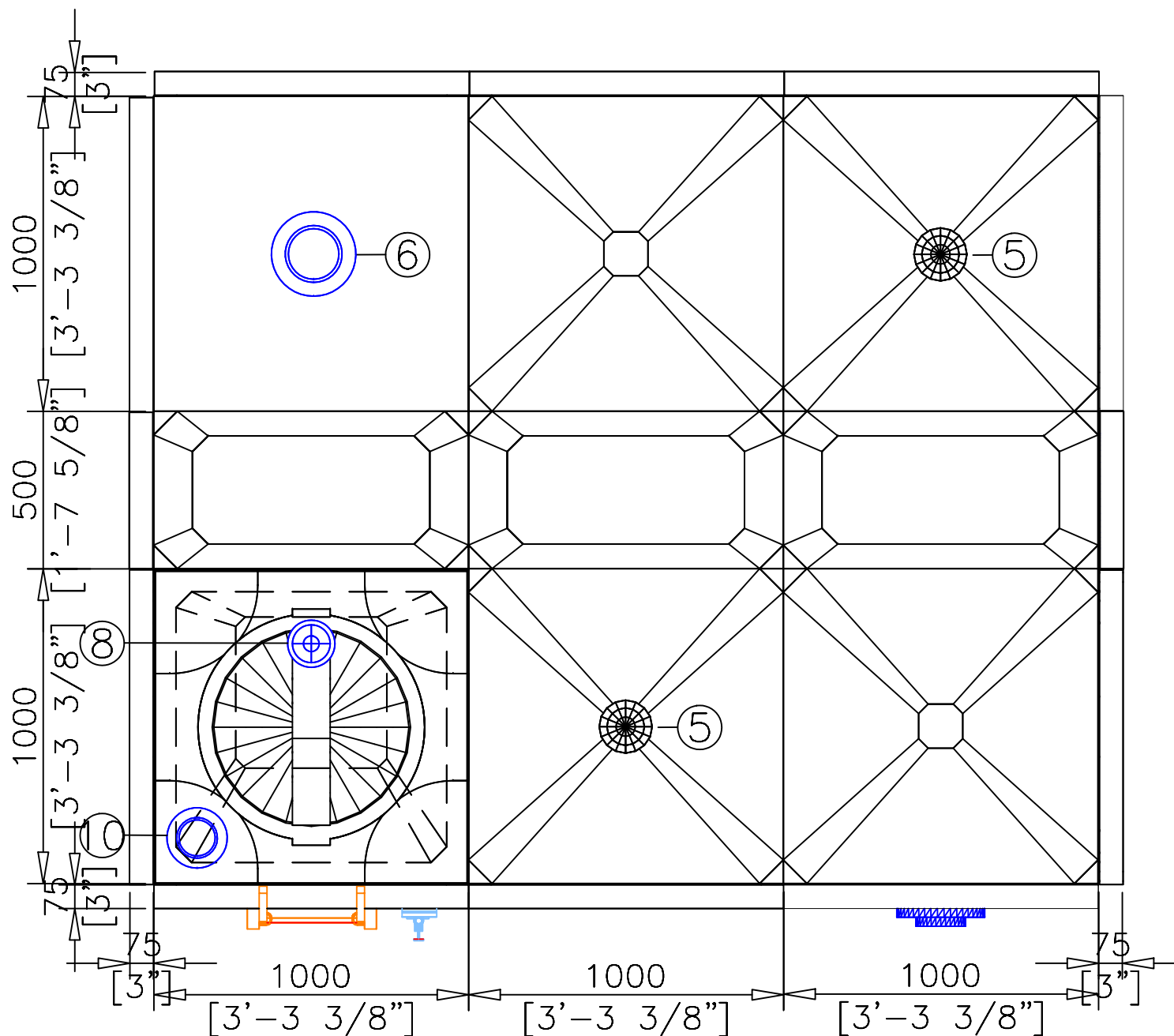
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TANK COMPONENTS

No.	Description	Material	Qty	Remarks
1	Water tank	FRP	1	Colour GRAY
2	Manhole Cover	FRP	1	S/S Hinges & Locks
3	Internal Ladder	FRP/SS	1	Height : 2m
4	External Ladder	G.I.	1	Height : 2m
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11	Water Level Indicator	GRP/ACRYLIC	1	Height : 2m
12	Vortex Assembly	FRP	1	-
13	Side Man Way	FRP	1	-

NOTES:

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6. Overflow shall flow freely to the ground.
7. All tanks shall be electrically grounded.

GRP Panel Type Water Tanks

Seismic Load $K_h = 0.3G$

Tank size: 8.2x 8.2x 6.56 ft High.
2.5x2.5x2 m HIGH

Volume: 12.5 m³ 3302 USG Usable 3066

Bolts / Nuts: S/S A4 - 316

Insulation: Non-Insulated

Project Name:

Contractor:

Cougar USA

Consultant:

Done By: JC

Reviewed by:

Verified by: -

Revisions

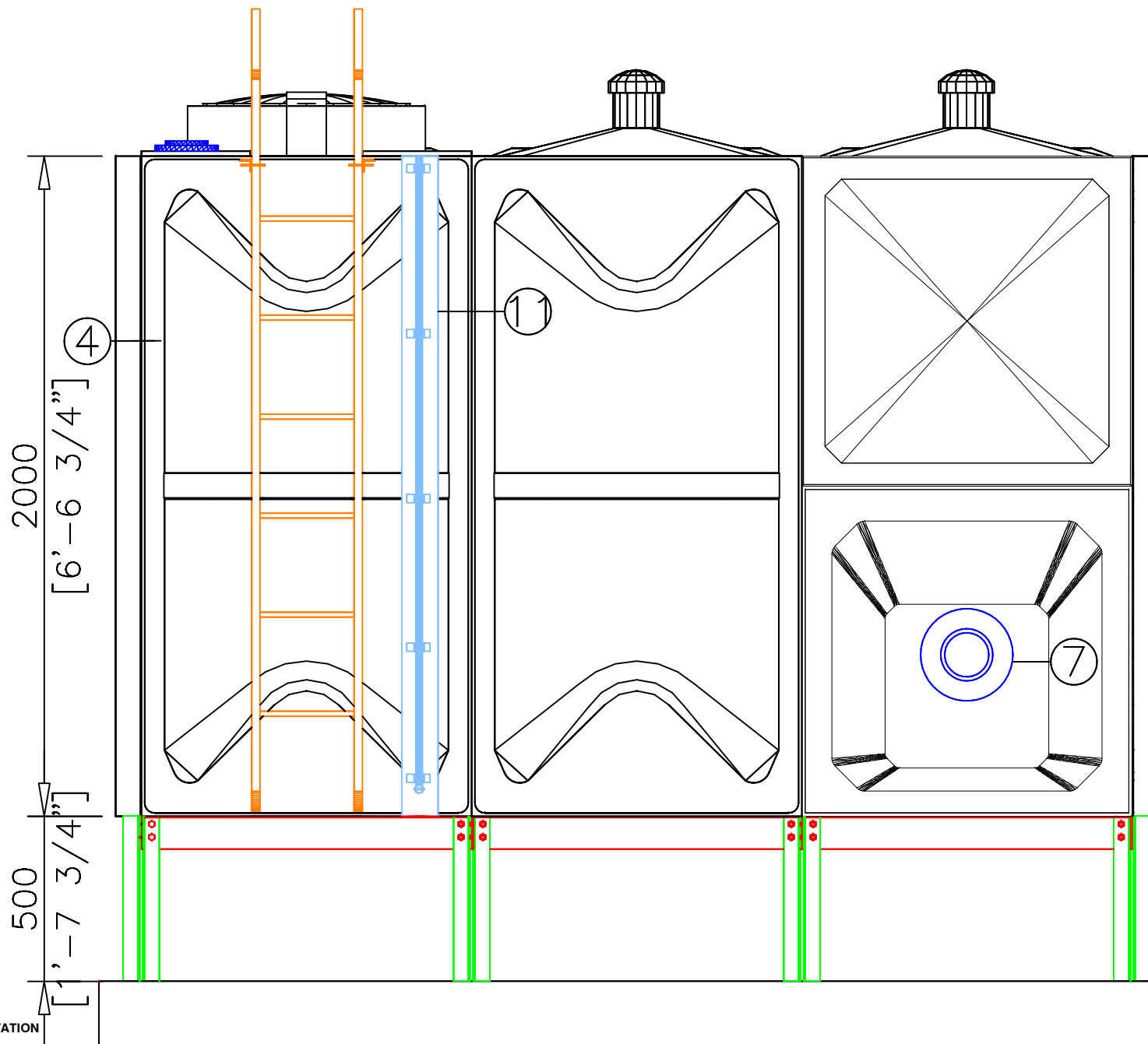
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FRONT ELEVATION



TANK COMPONENTS

No.	Description	Material	Qty	Remarks
1	Water tank	FRP	1	Colour GRAY
2	Manhole Cover	FRP	1	S/S Hinges & Locks
3	Internal Ladder	FRP/SS	1	Height : 2m
4	External Ladder	G.I.	1	Height : 2m
5	Air vent	PVC	2	Light & Insect Proof 4" Cow Type
6	Inlet		1	PVC or FF Steel Threaded Flange
7	Outlet		1	PVC or FF Steel Threaded Flange
8	Drainage		1	PVC or FF Steel Threaded Flange
9	Overflow		1	PVC or FF Steel Threaded Flange
10	Control		1	PVC or FF Steel Threaded Flange
11	Water Level Indicator	GRP/ACRYLIC	1	Height : 2m
12	Vortex Assembly	FRP	1	-
13	Side Man Way	FRP	1	-

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CAUTIONS

GRP Panel Type Water Tanks

Seismic Load Kh=0.3G

Tank size:	8.2x 8.2x 6.56 ft High. 2.5x2.5x2 m HIGH		
Volume:	12.5 m ³	3302 USG	Usable 3056
Bolts / Nuts:	S/S A4 - 316		
Insulation:	Non-Insulated		

Project Name:

-

Contractor:

Cougar USA

Consultant:

-

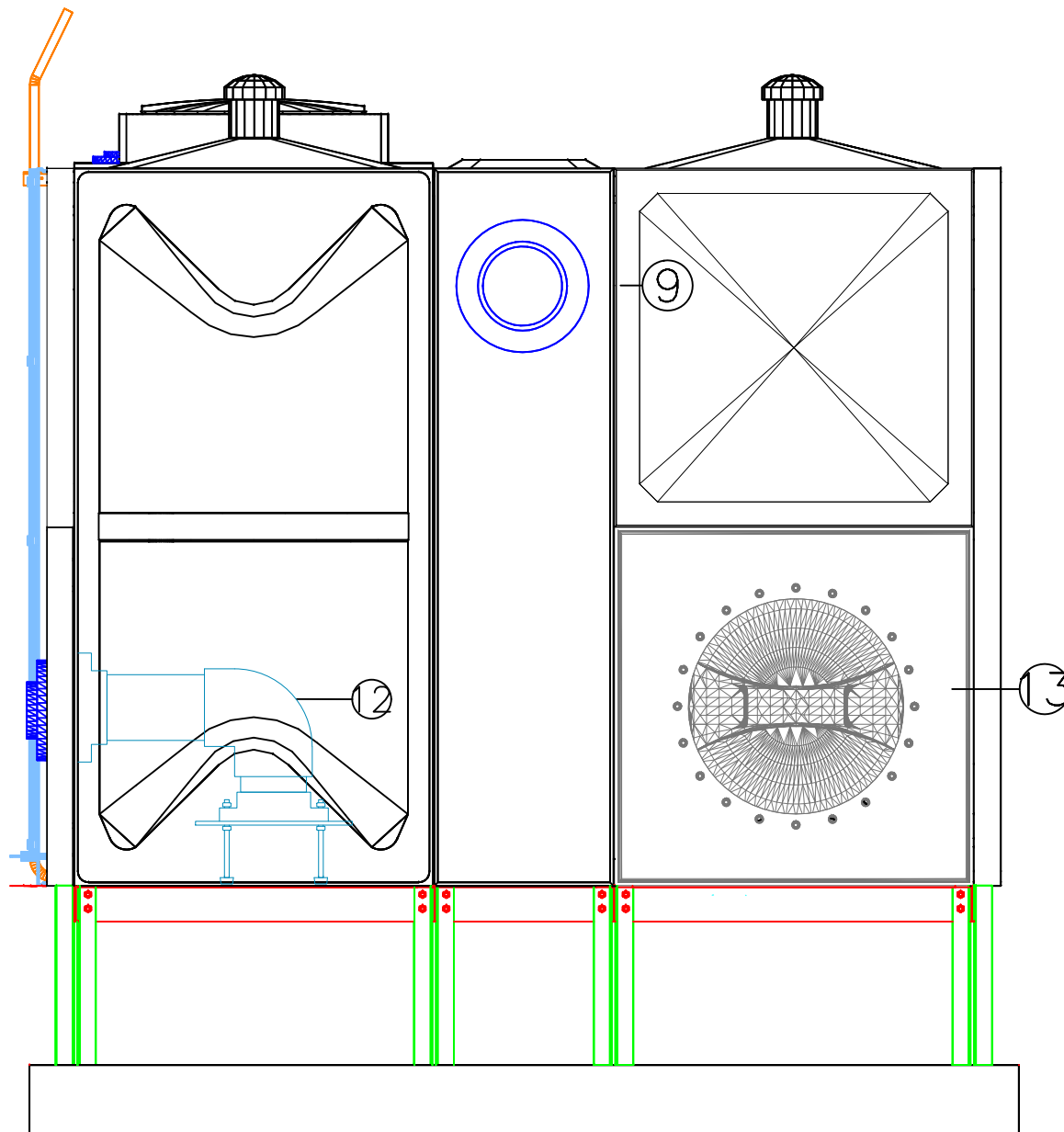
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TANK-RIGHT ELEVATION

TANK COMPONENTS

No.	Description	Material	Qty	Remarks
1	Water tank	FRP	1	Colour GRAY
2	Manhole Cover	FRP	1	S/S Hinges & Locks
3	Internal Ladder	FRP/SS	1	Height : 2m
4	External Ladder	G.I.	1	Height : 2m
5	Air vent	PVC	2	Light & Insect Proof 4" Cow Type
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11	Water Level Indicator	GRP/ACRYLIC	1	Height : 2m
12	Vortex Assembly	FRP	1	-
13	Side Man Way	FRP	1	-

NOTES:

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Volume:	12.5 m ³	3302 USG	Usable 3066
Bolts / Nuts:	S/S A4 - 316		
Insulation:	Non-Insulated		

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