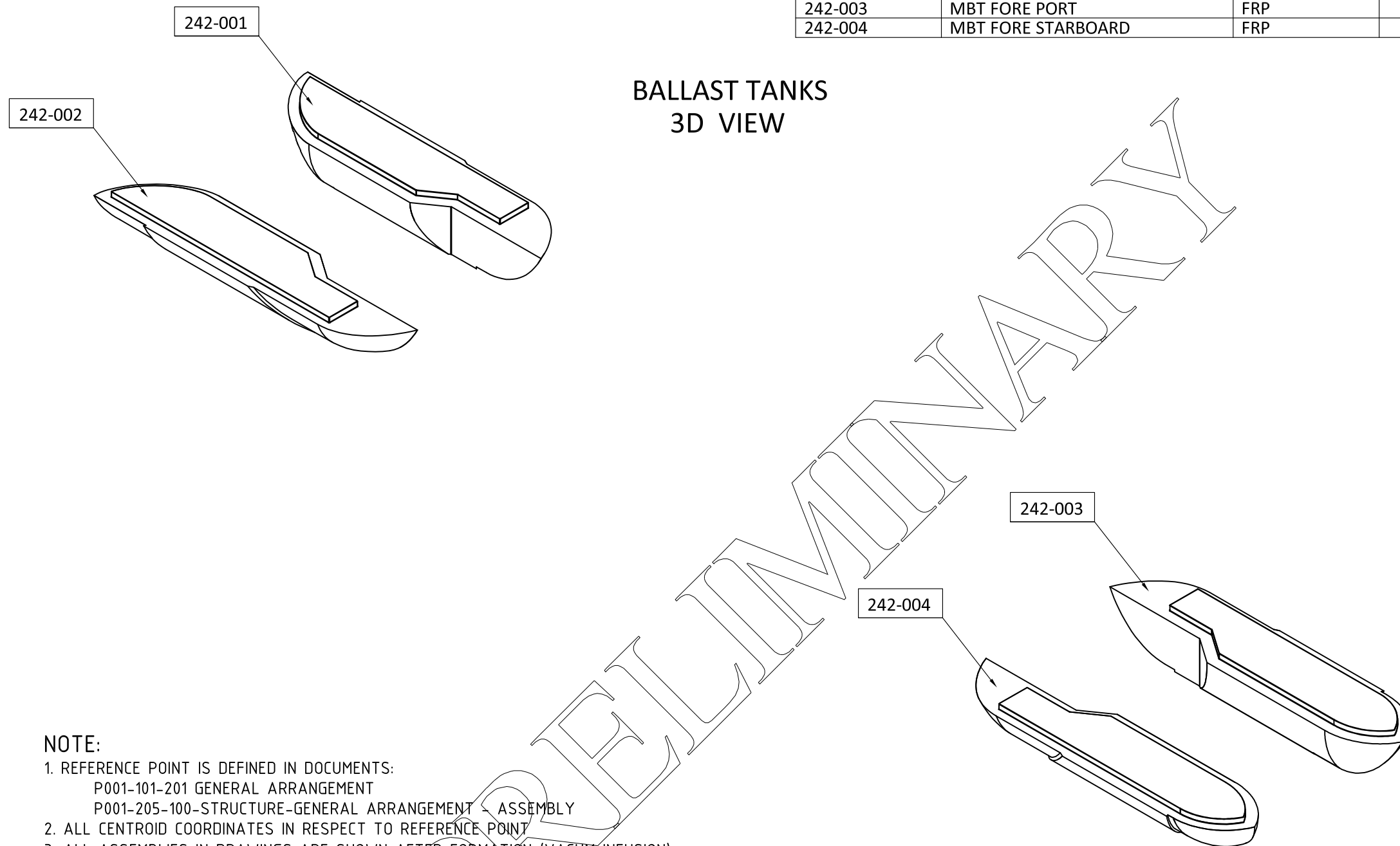


MAIN BALLAST TANKS								
POSITION	DESCRIPTION	MATERIAL	PCS	UNIT MASS [kg]	MASS [kg]	CENTROID		
						X[m]	Y[m]	Z[m]
242-001	MBT AFT PORT	FRP	1	431,77	431,77	0,239	1,677	3,145
242-002	MBT AFT STARBOARD	FRP	1	431,77	431,77	0,239	-1,677	3,145
242-003	MBT FORE PORT	FRP	1	439,22	439,22	19,003	1,645	3,143
242-004	MBT FORE STARBOARD	FRP	1	439,22	439,22	19,003	-1,645	3,143
					1742,00	9,701	0,000	3,144

BALLAST TANKS

3D VIEW



NOTE:

1. REFERENCE POINT IS DEFINED IN DOCUMENTS:
P001-101-201 GENERAL ARRANGEMENT
P001-205-100-STRUCTURE-GENERAL ARRANGEMENT ASSEMBLY
2. ALL CENTROID COORDINATES IN RESPECT TO REFERENCE POINT
3. ALL ASSEMBLIES IN DRAWINGS ARE SHOWN AFTER FORMATION (VACUM INFUSION) AND FINAL FINISH.


REFERENCE DRAWINGS:

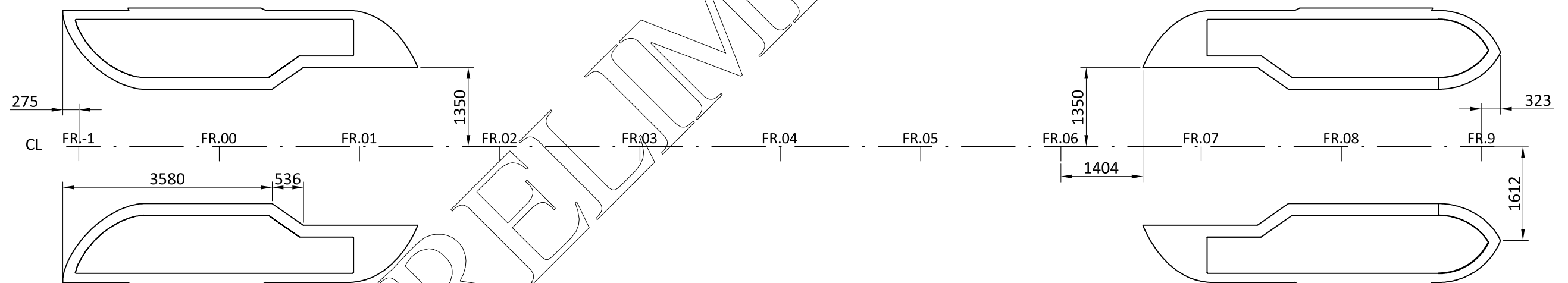
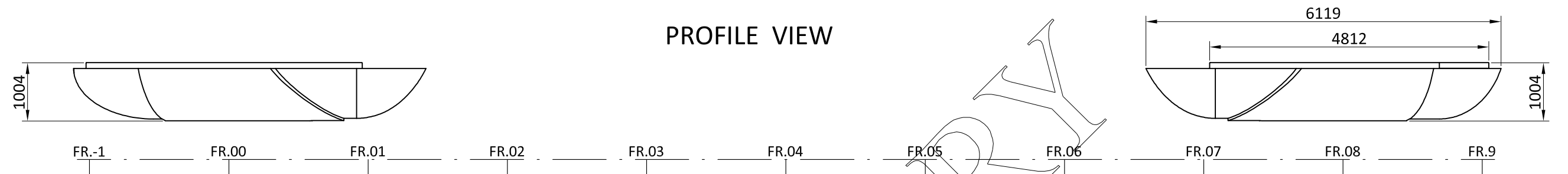
P001-101-201-GENERAL ARRANGEMENT
P001-205-100-STRUCTURE - GENERAL ARRANGEMENT - ASSEMBLY
P001-205-102-STRUCTURE - BUILDING STRATEGY

IMPORTANT:

NET MASS AND NET VOLUME OF EACH CAST IS TO BE PRODUCED WITH THE FOLOWING TOLERANCE:

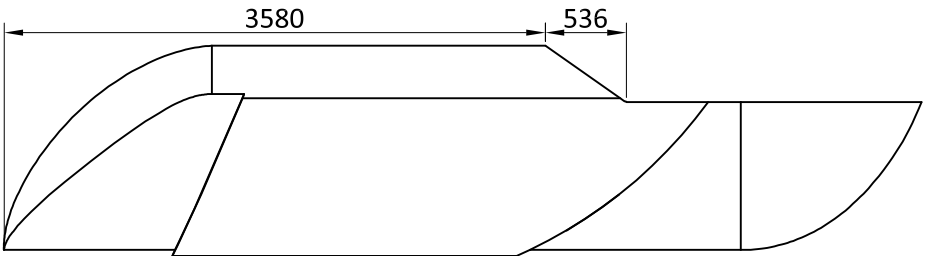
- 0,0 %
+ 5,0 %

0-03	D. Romić	Preliminary Dwg	2022-05-19
Rev.	Prepared by	Description	Date
Project No. P001	File: P001-242-001-MAIN BALLAST TANKS - STRUCTURE AND STRUCTURAL CALCULATION-329222-Rev0-03		
Customer BRODOGRAĐEVNA INDUSTRIJA SPLIT d.d.	Project TOURIST SUBMARINE CLASS DESIGN	Prepared by LJ. Čubrilo, Nav.Arch.	Date 2022-05-19
Company Marine and Energy Solutions DIV d.o.o. HR-10020 Zagreb, Froudeova 5 mes@divgroup.eu	This drawing is the property of Marine and Energy Solutions DIV Ltd. and must neither be used, reproduced nor handed over to any third party without our written consent.	Checked by M.Čakširan, Nav.Arch.	Date 2022-05-19
	Approved by J. Čokić, Nav.Arch.	Date 2022-05-19	
	Sheet Name AFT END HULL SECTION	Yard No. 548	Scale 1:75
	Document Name MAIN BALLAST TANKS STRUCTURE AND STRUCT.CALC.	Classification No. 01-242-301	Sheet 1
		Identification No. 329-222	Sheets 4

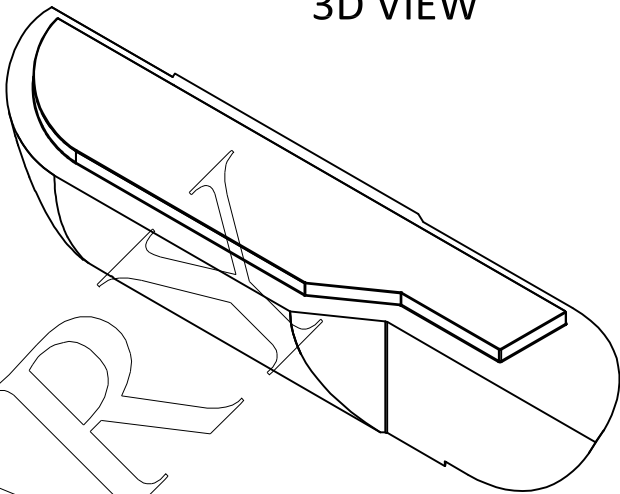


AFT MAIN BALLAST TANK - STARBOARD

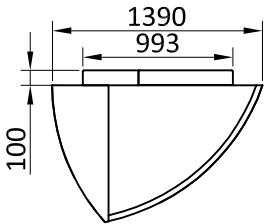
BOTTOM VIEW



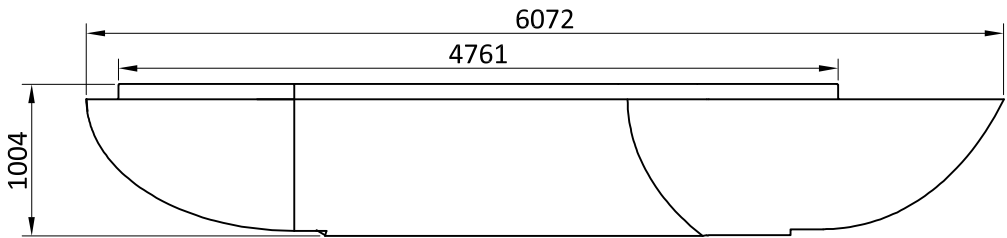
3D VIEW



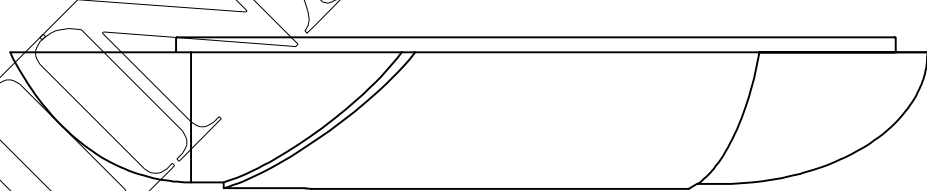
FRONT VIEW



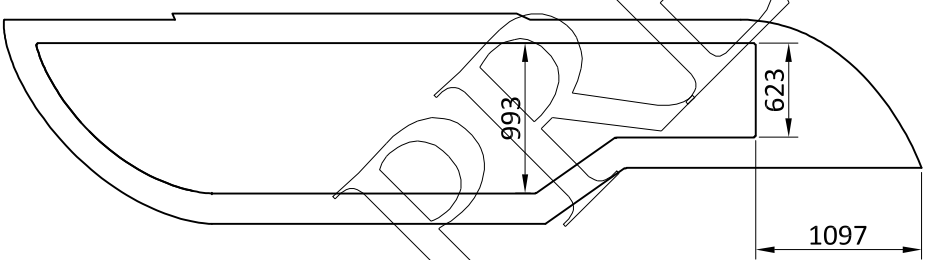
PROFILE VIEW



PROFILE VIEW (PORT)



TOP VIEW



NOTE:
AFT STARBOARD TANK IS SHOWN, PORT TANK IS SYMETRICAL.

PENDING:
CONNECTION TO EXOSTRUCTURE, DRAIN HOLE, FITTINGS AND REINFORCEMENTS TO BE DETERMINED PRIOR TO CONSTRUCTION.

LAMINATE PLAN		
LAYER	LAMINATE	NET MASS [g/m ²]
1-2	GELCOAT	1200
3	MAT(POWDER)	300
4	BIAXIAL (0°-90°)	600
5-12	BIAXIAL (0°-90°)	1200
13	TOPCOAT	1200

NOTE:
MAXIMUM THICKNESS OF GELCOAT AND TOPCOAT RESPECTIVLY IS TO BE 1 mm
TOTAL THICKNESS OF LAMINATE, GELCOAT AND TOPCOAT INCLUDED: 11,9 mm
TOTAL MASS OF LAMINATE, GELCOAT AND TOPCOAT INCLUDED: 20,62 kg/m²
NET SURFACE OF SINGLE CAST: 20,94 m²
NET VOLUME OF SINGLE CAST: 0,25 m³
TECHNOLOGY OF PRODUCTION: VACUUM INFUSION - POLYESTER RESIN
PRODUCTION CONSISTS OF:
MOLD: 2 pcs
CASTING: 2 pcs



Sheet Name	STANDARD VIEWS - AFT	Project No.	P001	Owner Reference	548	Scale	1:50
Document Name	MAIN BALLAST TANKS STRUCTURE AND STRUCT.CALC.			Classification No.	01-242-301	Sheet	3
				Identification No.	329-222	Sheets	4

