PROJECT TITLE: SUPPLY OF SPM AND PLEM SYSTEM		CONT. No.:			Page: 1 of 3			
		DOCUMENT CODE						Class
		PLAN/PRJ	UNIT	PHASE	DISC	DOC. TYPE	SER. NO.	REV. NO.	
		JT	1	000	11621	ORW-VD	0133	D1	

SUBSEA BODY HOSE FLOATS ID 697 mm – SUBMARINE, FLOATING HOSES AND ANCILLARIES SPM 1

IOEC

VENDOR DOCUMENT REVIEW

- ☑ **A** ▸ Accepted
- ☐ **B** ▸ Accepted, proceed with work and incorporate comments and re-submit
- ☐ **C** ▸ Not accepted. Revise and re-submit
- ☐ **D** ▸ For Information only

D1	16/02/2021	AFC	R. SOPRANI	M. BOLONHEZI	M. BOLONHEZI	FLEXOMARINE
D0	30/11/2020	IFC	R. SOPRANI	M. BOLONHEZI	M. BOLONHEZI	FLEXOMARINE
REV.	DATE	DESCRIPTION	PREPARED	CHECKED	APPROVED	ORIGINATOR

CLIENT

MSH SHIP MANAGEMENT

PROJECT

OIL TERMINAL AND MARINE FACILITIES

OBT DOCUMENT NUMBER

OBT-4082-404-15

CLIENT DOCUMENT NUMBER

JT-1-000-11621-ORW-VD-0133

TOTAL NO OF PAGES (*INCLUDING THIS ONE)*

02

TITLE

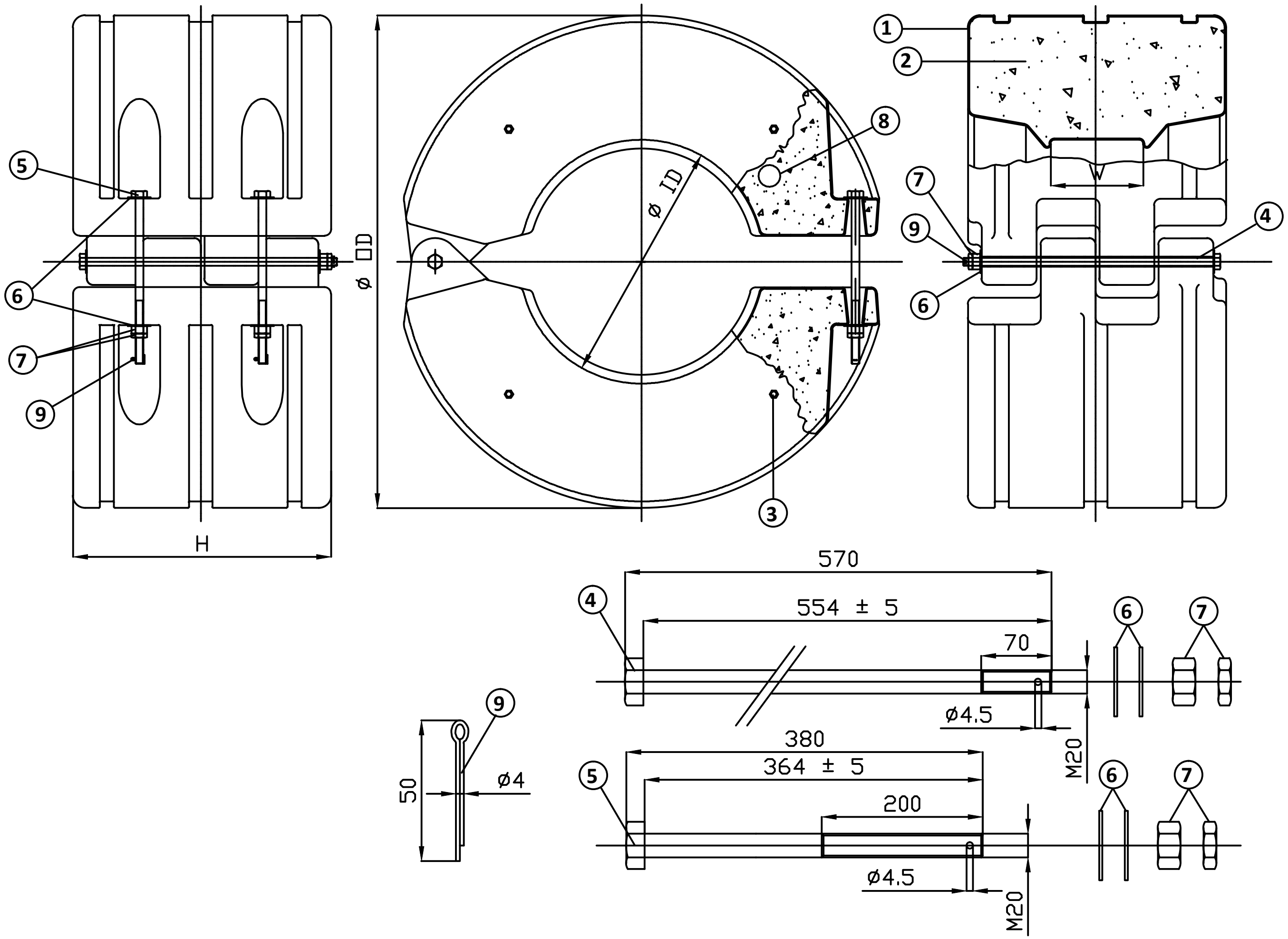
SUBSEA BODY HOSE FLOATS ID 697 mm – SUBMARINE, FLOATING HOSES AND ANCILLARIES SPM 1

REVISION HISTORY & ELECTRONIC SIGN OFF

0	16/02/2021	Approved for Construction	R.S.	M.B.	M.B.	
A	30/11/2020	Issued for Comment	R.S.	M.B.	M.B.	
REV	**DATE**	**STATUS**	**BY**	**CHK**	**APP**	**CLIENT**

ITEM	DESCRIPTION	MATERIAL	QTY.	UNIT WEIGHT KG	TOT. WEIGHT KG
9	SPLIT PIN	AISI 316	3		
8	PLUG AND GASKET	POLYAMMIDE 6.6 OR4143	2		
7	M20 NUT + LOCKING NUT	STAINLESS STEEL AISI 316	3		
6	WASHER (20x60)	STAINLESS STEEL AISI 316	6		
5	M20 x 380 TIE ROD	STAINLESS STEEL AISI 316	2		
4	M20 x 570 - PIN ROD	STAINLESS STEEL AISI 316	1		
3	INSERT M12	STAINLESS STEEL AISI 316	8		
2	CORE	EXPANDED POLYURETHANE 60Kg/m³ FREE RISE DENSITY	2		
1	SHELL	ROTOMOULDED LINEAR HDPE	2		

MATERIAL LIST



FLOAT HYDROSTATIC TEST (GMPHOM 2009)

2.1.14 Float Hydrostatic Test
Hydrostatic tests will be performed on one floats per each size, with a maximum of one per order or one per ten if there are more than ten floats in the order.
The test procedure will be as follow:
a) Weight each half float (without hardware) on scale calibrated for an accuracy of 100gr. at the approximate float weight.
b) Place half float in a pressure chamber filled with water and increase the appropriate pressure over a 5 minutes period.
c) Maintain the test pressure for a period of 2 hours. The test pressure shall be 11.4 bar for floats up to 76 / 80 meters water depth.
d) Reduce the pressure to atmosphere over a period of 5 minutes and remove the half float from the pressure chamber.
e) Immediately dry and weight the half float on the same scale used in step a) above.
Any float half wich has gained in weight more than 500gr. or has any evidence of deformation or voids in the foam filling shall be rejected.
Any float that which has gained more than 250gr. but less than 500gr. during the test will be retested. Any further gain in weight during the re-test will be cause for rejection.

NOTE : RECOMMENDED MAX TORQUE WRENCH 50Nm

TYPE & SIZE				DIMENSIONS (mm)				TOLERANCE +/- (%)	NET BUOYANCY (Kg)	TOTAL WEIGHT (Kg)
HOSE COLLAR		HOSE COLLAR		I.D.	O.D.	H	W			
End	20''	Body	20''	697	1130	600	200	+/- 5 %	212	102

Rev	Description	Date
01	Included dimensions of items 4, 5, 6 and 7	30/11/2020

OBT DOCUMENT NUMBER: OBT-4082-404-15 Rev. 0

MARINE HOSES
Flexomarine

TITLE:
Subsea Floats for 80m water depth
ID 697 mm

APPROVED: MAURICIO BOLONHEZI
DRAWN: RODRIGO SOPRANI ESTEVAM DA SILVA
DATE: 16/09/20

REFERENCE	SHEET	DIMENSIONS	SCALE	DRAWING	REV.
IOCS-270-FL-80	2/2	mm	--	DDT-2855	01