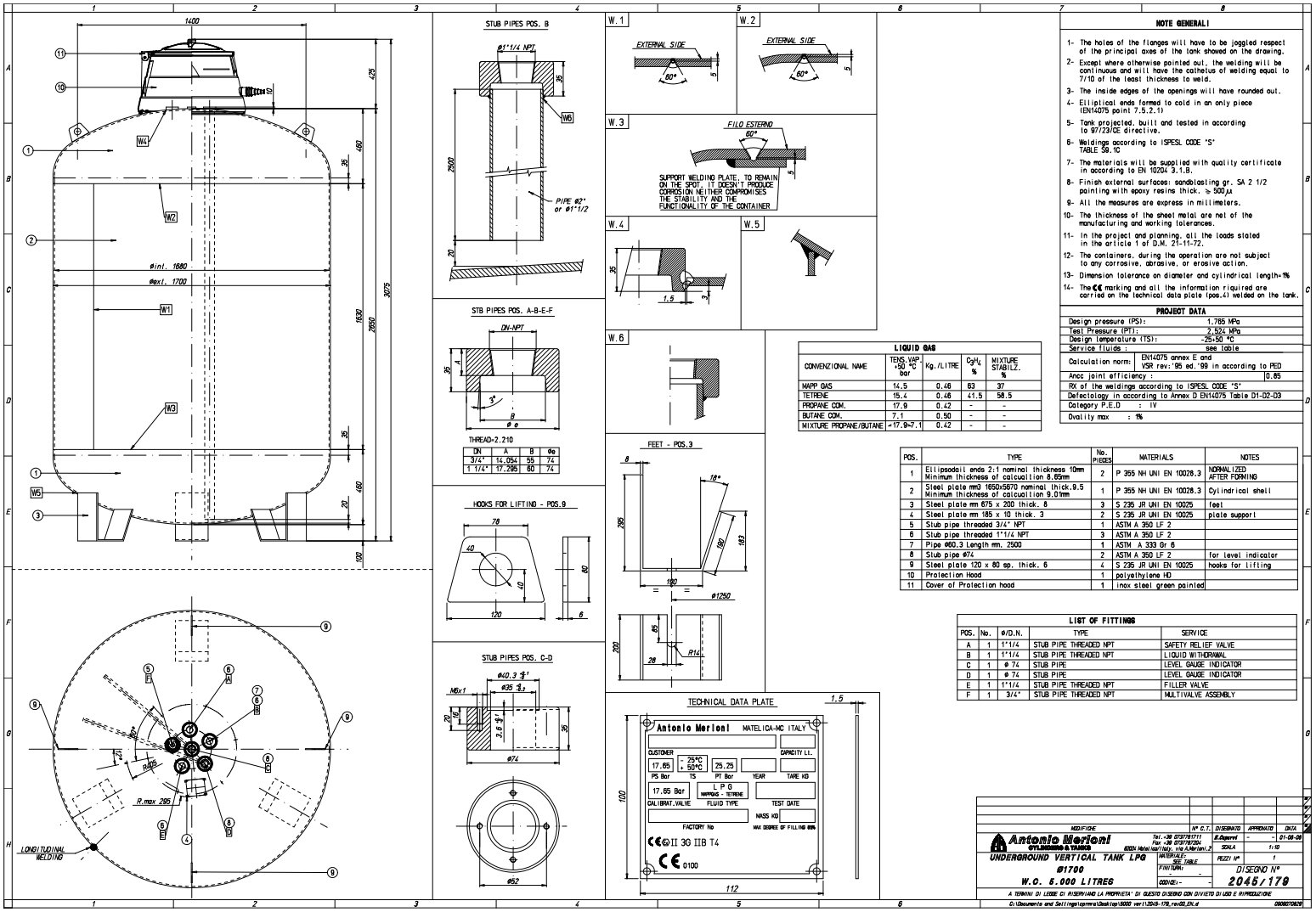

NOTE GENERALI

1- The holes of the flanges will have to be joggled respect of the principal axes of the tank showed on the drawing.
2- Except where otherwise pointed out, the welding will be continuous and will have the cathetus of welding equal to 7/10 of the least thickness to weld.
3- The inside edges of the openings will have rounded out.
4- Elliptical ends formed to cold in an only piece (EN14075 point 7.5.2.1)
5- Tank projected, built and tested in according to 97/23/CE directive.
6- Weldings according to ISPESL CODE "S" TABLE 59.1C
7- The materials will be supplied with quality certificate in according to EN 10204 3.1.B.
8- Finish external surfaces: sandblasting gr. SA 2 1/2 painting with epoxy resins thick. ≥ 500 µ.
9- All the measures are express in millimeters.
10- The thickness of the sheet metal are net of the manufacturing and working tolerances.
11- In the project and planning, all the loads stated in the article 1 of D.M. 21-11-72.
12- The containers, during the operation are not subject to any corrosive, abrasive, or erosive action.
13- Dimension tolerance on diameter and cylindrical length=1%
14- The CE marking and all the information riquired are carried on the technical data plate (pos.4) welded on the tank.

PROJECT DATA

Design pressure (PS):	1.765 MPa
Test Pressure (PT):	2.524 MPa
Design temperature (TS):	-25÷50 °C
Service fluids :	see table
Calculation norm:	EN14075 annex E and VSR rev.'95 ed.'99 in according to PED
Ancc joint efficiency :	0.85
RX of the weldings according to ISPESL CODE "S"	
Defectology in according to Annex D EN14075 Table D1-D2-D3	
Category P.E.D :	IV
Ovality max :	1%

LIQUID GAS

CONVENZIONAL NAME	TENS. VAP. +50 °C bar	Kg./LITRE	C_3H_6 %	MIXTURE STABILIZ. %
MAPP GAS	14.5	0.46	63	37
TETRENE	15.4	0.46	41.5	58.5
PROPANE COM.	17.9	0.42	-	-
BUTANE COM.	7.1	0.50	-	-
MIXTURE PROPANE/BUTANE	<17.9>7.1	0.42	-	-

POS.	TYPE	No. PIECES	MATERIALS	NOTES
1	Ellipsodail ends 2:1 nominal thickness 10mm Minimum thickness of calcualtion 8.65mm	2	P 355 NH UNI EN 10028.3	NORMALIZED AFTER FORMING
2	Steel plate mm3 1650x5670 nominal thick.9.5 Minimum thickness of calcualtion 9.01mm	1	P 355 NH UNI EN 10028.3	Cylindrical shell
3	Steel plate mm 675 x 200 thick. 8	3	S 235 JR UNI EN 10025	feet
4	Steel plate mm 185 x 10 thick. 3	2	S 235 JR UNI EN 10025	plate support
5	Stub pipe threaded 3/4" NPT	1	ASTM A 350 LF 2	
6	Stub pipe threaded 1"1/4 NPT	3	ASTM A 350 LF 2	
7	Pipe Ø60.3 Length mm. 2500	1	ASTM A 333 Gr 6	
8	Stub pipe Ø74	2	ASTM A 350 LF 2	for level indicator
9	Steel plate 120 x 80 sp. thick. 6	4	S 235 JR UNI EN 10025	hooks for lifting
10	Protection Hood	1	polyethylene HD	
11	Cover of Protection hood	1	inox steel green painted	

LIST OF FITTINGS

POS.	No.	Ø/D.N.	TYPE	SERVICE
A	1	1"1/4	STUB PIPE THREADED NPT	SAFETY RELIEF VALVE
B	1	1"1/4	STUB PIPE THREADED NPT	LIQUID WITHDRAWAL
C	1	Ø 74	STUB PIPE	LEVEL GAUGE INDICATOR
D	1	Ø 74	STUB PIPE	LEVEL GAUGE INDICATOR
E	1	1"1/4	STUB PIPE THREADED NPT	FILLER VALVE
F	1	3/4"	STUB PIPE THREADED NPT	MULTIVALVE ASSEMBLY

MODIFICHE	N° C.T.	DISEGNATO	APPROVATO	DATA
		R.Agostini	-	01-08-08

Antonio Merloni CYLINDERS & TANKS
UNDERGROUND VERTICAL TANK LPG
Ø1700
W.C. 5.000 LITRES

Tel.+39 0737787111 Fax +39 0737787204
62024 Matelica (ap) Italy, via A.Merloni,2

SCALA 1:10
MATERIALE SEE TABLE
FINITURA: -
ODDIZIO: -
PEZZI N° 1
DISEGNO N° 2045/178

A TERMINI DI LEGGE DI RISERVANDO LA PROPRIETA' DI QUESTO DISEGNO CON DIVIETO DI USO E RIPRODUZIONE

C:\Documents and Settings\commerciale\tank\5000 ver1\2045-178_rev02_EN.d 0808070839