






Sheet 01/01

2121-VA40U07-2-SP03;2121-VA40U07-2-SP02;2121-VA40U05-2-SP03;2121-VA40U05-2-SP02;2121-VA40R01-2-SP04;2121-VA40R01-2-SP03;1211-VA00020-1-SP01;1211-VA00017-1-SP01;1211-VA00015-1-SP01;1211-VA00014-1-SP01;1211-VA00013-1-SP01;2121-VA00037-1-SP01;2121-VA00025-1-SP01;2121-VA00033-1-SP01;2121-VA00032-1-SP01;2121-VA00030-1-SP01;2121-VA49A08-2-SP03;2121-VA49A08-2-SP02;2121-VA49A01-2-SP02;2121-VA40N01-2-SP03;2121-VA40N01-2-SP02;2121-VA49A07-2-SP03;2121-VA49A07-2-SP02;2121-VA00027-1-SP02;2121-VA00027-1-SP01;2121-VA00026-1-SP02;2121-VA00026-1-SP01;1111-OG53001-1-SP01

[illegible]

3) Refer to: **4274-XH-SG-00000003** (COMPANY 45-L-45-000-2-00-80005) "Specification for Piping Fabrication & Erection Amendment to EC-L-51.01 and EC-L-51.02" and **4274-XH-PQ-00000001** (COMPANY 45-L-45-000-2-00-80081) "Inspection and Test Plan for Steel Piping Works"


LEGEND OF CHECK RESULT	<input checked="" type="checkbox"/> Checked & NOT Accepted	<input checked="" type="checkbox"/> Checked & Accepted	N.A. Not Applicable	Y / N Punch List Produced
	Date [DD-MMM-YYYY]	Name	Signature	
SUBCONTRACTOR	19/07/23	F. Almeida		
CONTRACTOR	19/07/23	Luís Garcia		
COMPANY				
(Free)				

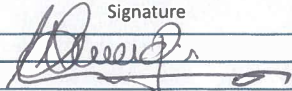
 Tecnimont S.p.A.	 REPSOL POLIMEROS SA	4274_CONST 4274-ALBA PROJECT-PP AND PEL PLANTS	
MOD-ITP-XL_220 Rev.1		RELEASE OF SPOOLS FROM WORKSHOP	Report n° IP-WSR-P-310-000005_MOD-ITP-XL_220
		RFI Nr.:	Date :
Unit -			
Plant Area -			
Isometric Number			
Inspection Package Number IP-WSR-P-310-000005 - IP Spool Release From Workshop			

Sheet 01/01

The Present Inspection Package contains the following Elements:

2121-VA40U07-2-SP03;2121-VA40U07-2-SP02;2121-VA40U05-2-SP03;2121-VA40R01-2-S
P04;2121-VA40R01-2-SP03;1211-VA00020-1-SP01;1211-VA00017-1-SP01;1211-VA00015-1-SP01;1211-VA00014-1
-SP01;1211-VA00013-1-SP01;2121-VA00037-1-SP01;2121-VA00025-1-SP01;2121-VA00033-1-SP01;2121-VA00032
-1-SP01;2121-VA00030-1-SP01;2121-VA49A08-2-SP03;2121-VA49A08-2-SP02;2121-VA49A01-2-SP02;2121-VA40
N01-2-SP03;2121-VA40N01-2-SP02;2121-VA49A07-2-SP03;2121-VA49A07-2-SP02;2121-VA00027-1-SP02;2121-V
A00027-1-SP01;2121-VA00026-1-SP02;2121-VA00026-1-SP01;1111-OG53001-1-SP01


JOAQUIM PINTO
PIPING SUP.
Joachim Pinto

LEGEND OF CHECK RESULT	<input checked="" type="checkbox"/> Checked & NOT Accepted	<input checked="" type="checkbox"/> Checked & Accepted	N.A. Not Applicable	Y / N	Punch List Produced
	Date [DD-MMM-YYYY]	Name	Signature		
SUBCONTRACTOR	19/09/2023	F. Almeida			
CONTRACTOR	19/09/2023	Luis Gauer			
COMPANY					
(Free)					

ISO Summary List

22635 / 1247
Page 1

Client **TECNIMONT/REPSOL**
Local **Portugal**

Job # **22635**
Project **4274 ALBA-I007 Piping Fabrication**

% RT/UT
% PT/MT

ISO # **2121-VA40N01-2** ✓
Piping Size/Class **3-1C17**

Revision **00**
PED Category **Art 4.3**

Priority **6**
Assessment Inspection/Results

Spool	Weld#	Joint	Product Description	Seq. N.	Heat #	M.Certificate	FM-Dos	WPS	WeldDate/Stamp	VT	NDT-PT/MT	NDT-RT/UT	NDT-PMI/HT	NDT-PN	NDT-FT	Repair 1	Repair 2
01 03	S07	BW	3" 90 LR ELBOW ASME B16.9 A234-WPB BE S 3" PIPE - A106-B BE SMLS	✓ 228 17	215148 ✓ 23211709 ✓	CE23002054_3.1.01 ✓ 23310546 ✓	5 Varela ✓ PVX1312824	MW.20_BW ✓	21/08/2023 ✓ S71 ✓	VT-I-007 ✓							
02 03	S06	BW	3" PIPE - A106-B BE SMLS 3" 90 LR ELBOW ASME B16.9 A234-WPB BE S	✓ 17 ✓ 228	23211709 ✓ 215148 ✓	23310546 ✓ CE23002054_3.1.01 ✓	5 Varela ✓ PVX1312824	MW.20_BW ✓	22/08/2023 ✓ S71 ✓	VT-I-008 ✓		RT: RT-I-071-A ✓					
03 03	SF02	FT	3" PIPE - A106-B BE SMLS .625x85" STUD BOLTS&NUTS ASME B18.31.2/	✓ 17	23211709 ✓	23310546 ✓											
04 02	F05	BW	3" PIPE - A106-B BE SMLS 3" PIPE - A106-B BE SMLS	17 17	23211709 ✓ 23211709 ✓	23310546 ✓ 23310546 ✓		MW.20_BW									
05 02	F04	BW	3" 90 LR ELBOW ASME B16.9 A234-WPB BE S 3" PIPE - A106-B BE SMLS	17	23211709 ✓	23310546 ✓											

Notes

BW-Butt Weld; FW-Fillet Weld; LW-Lap Weld; SW-Socket Weld; TBW-Tee Butt Weld
PT-Penetrant Test; MT-Magnetic Test; RT-Radiographic Test
UT-Ultrasonic Test; PMI-Positive Material Identification
HT-Hardness Test; PN-Pneumatic Test; FT-Ferrites Test

Remarks

APPROVED QC

Name: *Fernando Almeida*
Date: *19/09/23*
Sign: *[Signature]*



APPROVED by Client

Name: *D. Katsivelos*
Date: *19/09/23*
Sign: *[Signature]*

APPROVED by 3rd party or AI

Name:
Date:
Sign:



LINE DATA				FLUID CODE: VA				LINE NO. 3"-VA-40N01-1C17			
REV	DATE	ISSUED FOR CONSTRUCTION	TG	MW	TM	PIPING MATERIAL CLASS	INSULATION	WELD CLASS	HEAT TREATMENT	PAINTING CODE	P&ID No.
00	11-08-2023	ISSUED FOR CONSTRUCTION				1C17	N / 0	E	N	1	19-A-19-000-1-01-00001 sheet 44
REV	DATE	REVISION DESCRIPTION	DRAWN UP	CHKD UP	APP'D						



IDENTIFICATION CODE				PIPING ISOMETRIC			
Job	EIC	Area	N	4274	XHDL	2121	VA40N01
UNIT	19	SHEET	2	REV	00		
PIPING ASSEMBLY DRAWING	19-L-19-000-2-00-86196 sheet 7	PIPING SUPPORT SPECIFICATION	XH-SG-00000002	PIPING STANDARD SUPPORT SUMMARY	XH-LP-00000001		
PIPING ISOMETRIC LIST	XH-LD-21210001	PIPING TYPICAL INSTALLATIONS	XH-SL-00000002	WELDING SPECIFICATION	XH-SW-00000001		

BILL OF MATERIALS

FABRICATION MATERIALS

PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.	HOLD
1	PIPE PIPE - A106-B BE SMLS T01AC03V02 S-STD <PIPA010B13STD> (L-7806).	3	1117921	19.3 M	
2	FITTINGS 90 LR ELBOW ASME B16.9 A234-WPB BE SMLS C01DC04V01 S-STD <90LA200F33STD> (L-7955).	3	1128599	1	

ERECTION MATERIALS

PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.	HOLD
3	SUPPORTS U BOLT (FOR GUIDE)-P02D	3	57	1	
4	U BOLT (FOR GUIDE)-P02D	3	58	1	
5	U BOLT (FOR GUIDE)-P02D	3	59	1	
6	STOP HORIZ VERT FOR NOT INS. PIPING-N1F1	3	59	1	
7	U BOLT (FOR GUIDE)-P02D	3	60	1	
8	U BOLT (FOR GUIDE)-P02D	3	61	1	

CUT LIST

PIECE NO	LENGTH (MM)	SIZE (IN)	WELD NO	WELD CAT.	SIZE (IN)	WELD TYPE	BOLT NO	FLANGE SIZE(IN)	SIZE (IN)	LENGTH (MM)
<1>	10997	3"	F04	F	3"	BW				
<2>	7974	3"	F05	F	3"	BW				
<3>	295	3"	SF02	F	3"	FT				
			S06	S	3"	BW				
			S07	S	3"	BW				

WELD LIST

BOLT LIST

INCH METER

PIPE NS (IN)	CL LENGTH (M)
3	19.5

ISOMETRIC NO. 4274-SP-XH-DL-2121-VA40N01-2-IS00

SPOOLING REV NO. 00

AUTHORISED FOR CONSTRUCTION

SIGNED FOR CONSTRUCTION IS SHOWN ON ISO LIST FOR RELEVANT PIPING AREA

LEGENDS	JOINT TYPE	HMEI TYPE OF JOINT	JOINT TYPE	HMEI TYPE OF JOINT	JOINT TYPE	HMEI TYPE OF JOINT	JOINT TYPE	HMEI TYPE OF JOINT
BW	G	SW	S	LET	LET	SOB	S	
FW	S	SIB	B	LF	RF	SOF	S	
LA	RF	SLW	S	MTW	M	THD	TH	

1 DENOTES PARTS LIST NO

PIPE SUPPORT

A = RESTING SUPPORT

G = GUIDE




F = AXIAL RESTRAINT

B = GUIDE + STOP

M = SPRING

WHERE A WITHOUT NUMBERING IS INDICATED THIS MEANS THAT THERE IS A REST DIRECTLY ON STEEL STRUCTURE

PROJECT: LOW LINEAL DENSITY POLYETHYLENE (PEL) AND POLYPROPYLENE (PP) FOR PROJECT - ALBA PROJECT

 MECWIDE <small>INDUSTRIAL</small>	Prep.: TG	PROC. NR: PCL 22635
	Status: IFC	Date: 11-08-2023 Rev: 00
Dimensional:	Signature:	
Before Welding		
After Welding		
* Assinalate deviation in the drawings ("n" or "- n").		
Autocontrol (visual) registered in the Welder Production Sheet in the field of observations (Autocontrol OK)		

TECNIMONT
JOAQUIM PINTO
PIPING SUP
Joaoquim Pinto
AS BUILT

LINES 1, 1/2" AND SMALLER SHALL BE SUPPORTED IN FIELD IF NOT OTHERWISE INDICATED. ALL DIMENSION AND PROPER CONFIGURATION FOR LINES NPS 1, 1/2" AND SMALLER SHALL BE CHECKED IN FIELD BEFORE CONSTRUCTION FOR THE COMPONENT MARKED AS FIELD WELDED. ONE WELDED FOR ADJUSTMENT OF IN-LINE COMPONENT MUST BE LEFT. FOR LINE DATA AND TESTING CONDITIONS REFER TO LINE LIST 4048-XH-L-10-0000-00001