






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

TECNIMONT

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)					

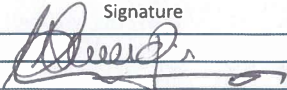
 Tecnimont S.p.A.	 REPSOL REPSOL POLIMEROS SA	4274_CONST 4274-ALBA PROJECT-PP AND PEL PLANTS	
MOD-ITP-XL_220 Rev.1		RELEASE OF SPOOLS FROM WORKSHOP	Report n° IP-WSR-P-310-000005_MOD-ITP-XL_220
		RFI Nr.:	Date :
Unit -			
Plant Area -			
Isometric Number			
Inspection Package Number IP-WSR-P-310-000005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


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	19/10/2023	M. S. G. G. G.		
COMPANY				
(Free)				

ISO Summary List

22635 / 1239

Page 1

Client TECNIMONT/REPSOL

Job # 22635

% RT/UT

Local Portugal

Project 4274 ALBA-I007 Piping Fabrication

% PT/MT

ISO # 2121-VA00027-1

Revision 00

Priority 6

Piping Size/Class 4-B-1

PED Category NA

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 02	S04	BW	4" 90 LR ELBOW ASME B16.9 A234-WPB BE S 4" PIPE - A106-B BE SMLS	✓ 341 ✓ 19	17357 23211707	CE23001997_3.1_01 23310548	5 Varela PVX1312824	MW.20_BW S46	24/08/2023 S46	VT-I-010 ✓							
02 02	S03	BW	4" PIPE - A106-B BE SMLS 4" 90 LR ELBOW ASME B16.9 A234-WPB BE S	✓ 19 ✓ 341	23211707 17357	23310548 CE23001997_3.1_01	5 Varela PVX1312824	MW.20_BW S46	25/08/2023 S46	VT-I-011 ✓		RT: RT-I-075-A ✓					
04 01	S01	BW	4x4" WN FLANGE ASME B16.5 150# A105N RF 4" PIPE - A106-B BE SMLS	✓ 36 ✓ 19	10EE23 23211707	224878 23310548	5 Varela PVX1312824	MW.20_BW S46	25/08/2023 S46	VT-I-011 ✓							

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: Francisco Almeida

Date: 19/09/23

Sign:

QC

APPROVED by Client

Name: D. Katsivelos

Date: 19/09/23

Sign:

APPROVED by 3rd party or AI

Name:

Date:

Sign:



IDENTIFICATION CODE

PUNCH LIST

SHEET
1 / 1

DOC.CLASS
1

ISSUE
01



MECWIDE

AMPER
Nervid Industrial

ISO ID: 2121 - VA00027 - 1

[illegible]

NOTES AND REMARKS

	DATE (dd-Mmm-YYYY)	NAME	SIGNATURE
SUBCONTRACTOR			
CONTRACTOR			
COMPANY			
(Free)			



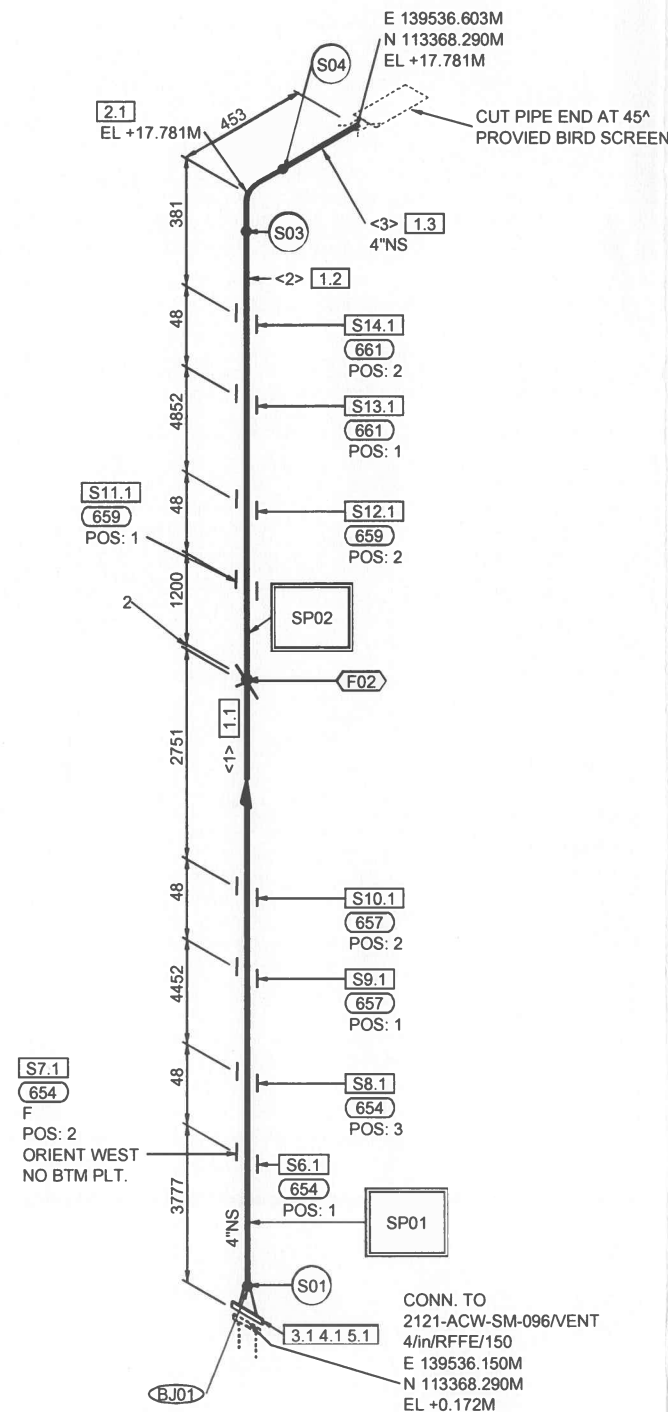
REV		DATE	REVISION DESCRIPTION	DRAWN UP	CHKD UP	APP'D	P&ID No.
00	11-08-2023	ISSUED FOR CONSTRUCTION	TG	MW	TM		45-A-45-000-1-01-00001 Sheet 4

FLUID CODE: VA		LINE NO. 4"-VA-00027-B-1	
PIPING MATERIAL CLASS	INSULATION	WELD CLASS	HEAT TREATMENT
B-1	N / O	E	N

PAINTING CODE	1
---------------	---

PLANT: SINES INDUSTRIAL COMPLEX		CLIENT REF: REPSOL POLYMEROS	
PIPING ISOMETRIC		IDENTIFICATION CODE	
Job	EIC	Area	N
4274	XHDL	2121	VA00027
UNIT	45	SHEET	1
REV	00		

PIPING ASSEMBLY / DRAWING	19-L-19-000-2-00-86196 sheet 5	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

**AUTHORISED FOR CONSTRUCTION**

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

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

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

BILL OF MATERIALS										
FABRICATION MATERIALS										
PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.	HOLD					
1	PIPE PIPE - A106-B BE SMLS T01AC03V02 S-STD <PIPA010B14STD> (L-7806)	4	I117953	17.7 M						
2	FITTINGS 90 LR ELBOW ASME B16.9 A234-WPB BE SMLS C01DC04V01 S-STD <90LA200F34STD> (L-7955)	4	I128635	1						
3	FLANGES WN FLANGE ASME B16.5 150# A105N RFFE BE 125 - 250 AARH F01CDC44BV05 S-STD <WNFA300R154STD> (L-149)	4	I5355796	1						
ERECTION MATERIALS										
PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.	HOLD					
4	GASKETS FLAT RING GASKET ASME B16.21 150# RFTBE NA/ARAMIDIC/NBR ASME B16.5 G02HDP2QR01 <NMGQ009R1FC4> (L-NMG11)	4	I1169033	1						
5	BOLTS STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE I01OB0301 <SB2R51G5/831/2> - 2 NUTS PER BOLT - 90 mm Length	5/8	I53437440	8						
6	SUPPORTS U BOLT (FOR GUIDE)-P02D	4	654	1						
7	STOP HORIZ VERT FOR NOT INS. PIPING-N1F1	4	654	1						
8	WELDED BRACKET TO STRUCT SB31 - HE100A	4	654	1						
9	U BOLT (FOR GUIDE)-P02D	4	657	1						
10	WELDED BRACKET TO STRUCT SB31 - HE100A	4	657	1						
11	U BOLT (FOR GUIDE)-P02D	4	659	1						
12	WELDED BRACKET TO STRUCT SB31 - HE100A	4	659	1						
13	U BOLT (FOR GUIDE)-P02D	4	661	1						
14	WELDED BRACKET TO STRUCT SB31 - HE100A	4	661	1						
CUT LIST			WELD LIST		BOLT 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	4"	S01	S	4"	BW	BJ01	4"	5/8"	90
<2>	6374	4"	F02	F	4"	BW				
<3>	299	4"	S03	S	4"	BW				
			S04	S	4"	BW				
							INCH METER			
							PIPE NS (IN)		CL LENGTH (M)	
							4		18.1	
ISOMETRIC NO. 4274-SP-XH-DL-2121-VA00027-1-IS00									SPOOLING REV NO. 00	

This document is Technimont's property, and cannot be used by others for any purpose without prior written consent.

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. GUSSETING TO BE IMPLEMENTED BY MECHANICAL SUBCONTRACTOR AS PER SPECIFICATION 4048-XH-SG-0000000004. FOR LINE DATA AND TESTING CONDITIONS REFER TO LINE LIST 4048-XH-L-10-0000-00001.

FIELD WELD SYMBOL FOR ADJUSTMENT OF IN-LINE COMPONENT WHERE MARKED

Notes

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