

 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-310-000118_RFI2181_MOD-ITP-XL_220
		RFI Nr.:	Date :
Unit -			
Plant Area -			
Isometric Number			
Inspection Package Number IP-WSR-P-310-000118_RFI2181 - IP Spool Release From Workshop			

Sheet 01/01

The Present Inspection Package contains the following Elements:

2121-VA00035-1-SP02;2121-VA00035-1-SP01;2121-VA00034-1-SP01;2121-VA00031-1-SP01;2121-LPN91S01-2-S
 P04;2211-VRG50A14-1-SP03;2211-VRG50A14-1-SP02;2211-VRG50A14-1-SP01;2211-FW68B36-3-SP08;2211-FW
 68B36-2-SP07-ZZ;2211-FW68B36-2-SP06;2211-FW68B36-2-SP05;2211-WW70B03-1-SP03;2211-WW70B03-1-SP0
 2;2211-WW70B03-1-SP01;2211-N01001-1-SP06;2211-N01001-1-SP05;2211-N01001-1-SP04;2211-N01001-1-SP03;
 2211-N01001-1-SP02;2211-N01001-1-SP01;2211-VRG50B03-3-SP09;2211-VRG50B03-3-SP08;2211-FL50E04-1-S
 P04;2211-FL50E04-1-SP03;2211-FL50E04-1-SP02;2211-FL50E04-1-SP01;2211-CWR40B07-1-SP02;2211-CWR40
 B07-1-SP01;2211-JWS64072-1-SP05;2211-JWS64072-1-SP04;2211-JWS64072-1-SP03;2211-JWS64072-1-SP02;1
 21-JWS64072-1-SP01;2211-N50A15-3-SP06;2211-N50A15-3-SP05;2211-N50A15-3-SP04;2211-N50A15-3-SP03;2
 211-N50A15-2-SP16;2211-N50A15-2-SP15;2211-N50A15-2-SP14;2211-N50A15-2-SP13;2211-N50A15-2-SP11;2211
 -N50A15-2-SP10;2211-VA62E03-1-SP02;2211-VA62E03-1-SP01;2211-FW68B50-1-SP02;2211-FW68B50-1-SP01;12
 11-CWS89031-2-SP02;2211-CWS89031-2-SP01;2211-CWS89031-1-SP04;2211-CWS89031-1-SP03;2211-CWS890
 31-1-SP02;2211-CWR89021-2-SP06;2211-CWR89021-2-SP05;2211-BDL23016-2-SP03;2211-BDL23016-1-SP02-ZZ
 ;2211-BDL23016-1-SP01

NOTES (*): 4274-XH-PQ-00000001

1) Painting cycle to be indicated.

2) Refer to: 4274-LZ-PC-00000214 (COMPANY 4001008GEN-PC-214) "Management of Site Metallic Welding Activities" and 4274-LZ-PC-00000215 (COMPANY 4001008GEN-PC-215) "Procedure for Traceability of Piping Material"

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"

 **TECNIMONT**

Pinto Joaquim
 Mechanical Piping Spv.

Joaquim Pinto
 02/05/2024

 **TECNIMONT**

L.Gomes
 NWI

R
 W

moskwa

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
SUBCONTRACTOR	Date [DD-MMM-YYYY] 02/05/2024	Name Patricia Texeira	Signature Patricia Texeira	
CONTRACTOR				
COMPANY				
(Free)				

QC

ISO Summary List

22635 / 5909

Page 1

Client **TECNIMONT/REPSOL**

Job # **22635**

% RT/UT

Local **Portugal**

Project **4274 ALBA-I007 Piping Fabrication**

% PT/MT

ISO # **2121-VA00035-1**

Revision **01**

Priority **2**

Piping Size/Class **4-B-1**

PED Category **N/A**

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	Extension 1	Extension 2
01	S01	BW	4x4" WN FLANGE ASME B16.5 150# A105N RF 4" PIPE - A106-B BE SMLS	36 TCM	10EE23 R60449	224878 E5027	17:Vareta PVX4010501	MW.20_BW	16/02/2024 S138	VT-M-038							
02	S02	BW	4" PIPE - A106-B BE SMLS 4" 90 LR ELBOW ASME B16.9 A234-WPB BE S	341 TCM	17357 R60449	CE23001997_3.1_01 E5027	17:Vareta PVX4010501	MW.20_BW	16/02/2024 S138	VT-M-038							
03	S03	BW	4" 90 LR ELBOW ASME B16.9 A234-WPB BE S 4" PIPE - A106-B BE SMLS	341 TCM	17357 R60449	CE23001997_3.1_01 E5027	17:Vareta PVX4010501	MW.20_BW	16/02/2024 S138	VT-M-038							
05	S05	BW	4" 45 LR ELBOW ASME B16.9 A234-WPB BE S 4" PIPE - A106-B BE SMLS	395 TCM	21698 R60449	CE23002009_3.1_01 E5027	17:Vareta PVX4010501	MW.20_BW	16/02/2024 S138	VT-M-038							

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: *Patricio Texeira*

Date: *02/05/2024*

Sign: *Patricio Texeira*

APPROVED by Client

Name: **TECNIMONT**

Date: *L. Gomes*

Sign: *L. Gomes*

APPROVED by 3rd party or AI

Name:

Date:

Sign:



LINE DATA				FLUID CODE: VA				LINE NO. 4"-VA-00035-B-1			
REV	DATE	REVISION DESCRIPTION	DRAWN UP	CHKD UP	APP'D	MATERIAL CLASS	INSULATION	WELD CLASS	HEAT TREATMENT	PAINTING CODE	P&ID No.
01	15-11-2023	ISSUED FOR CONSTRUCTION	TG	MW	TM						
00	25-09-2023	ISSUED FOR CONSTRUCTION	TG	MW	TM						
						B-1	N / 0	E	N	1	45-A-45-000-1-01-00001 Sheet 4

Tecnimont		PIPING ISOMETRIC		IDENTIFICATION CODE			
PLANT: SINES INDUSTRIAL COMPLEX	CLIENT REF: REPSOL POLYMEROS	Job	ETC	Y	Area	N	
		4274	XHDL	2121	VA00035		
		UNIT	45	SHEET	1	REV	01
REFERENCES	PIPING ASSEMBLY DRAWING	E C Y N	PIPING SUPPORT SPECIFICATION	E C Y N	PIPING STANDARD SUPPORT SUMMARY	E C Y N	
	9-L-19-000-2-00-86200 sheet 1		XH-SG-00000002		XH-LP-00000001		
	PIPING ISOMETRIC LIST	E C Y N	PIPING TYPICAL INSTALLATIONS	E C Y N	WELDING SPECIFICATION	E C Y N	
	XH-LD-21210001		XH-SL-00000002		XH-SW-00000001		

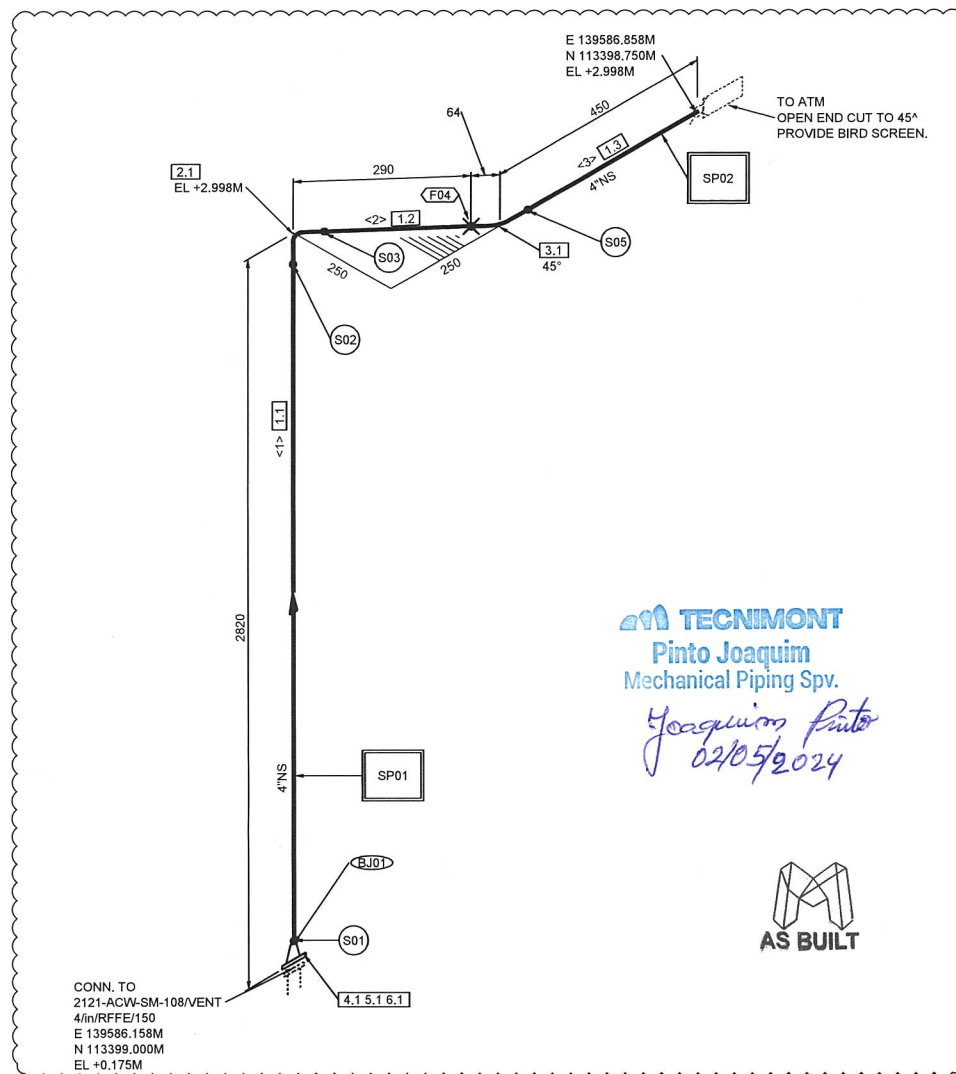
MIR39

BILL OF MATERIALS					
FABRICATION MATERIALS					

PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.	HOLD
1	PIPE PIPE - A106-B BE SMLS T01AC03V02 S-STD <PIPA010814STD> (L-7806)	4	I117953	3.2 M	
2	FITTINGS 90 LR ELBOW ASME B16.9 A234-WPB BE SMLS C01DC04V01 S-STD <90LA200F34STD> (L-7955)	4	I128635	1	
3	45 LR ELBOW ASME B16.9 A234-WPB BE SMLS C02DC04V01 S-STD <45LA200F34STD> (L-7956)	4	I201302	1	
4	FLANGES WN FLANGE ASME B16.5 150# A105N RFFE BE 125 - 250 AARH F01CDC44BV05 S-STD <WNFA300R154STD> (L-149)	4	I5355796	1	

PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.	HOLD
5	GASKETS FLAT RING GASKET ASME B16.21 150# RFTBE NA/ARAMIDIC/NBR ASME B16.5 G02HDP2QR01 <NMGQ009R1FCA> (L-NMG11)	4	I1169033	1	
6	BOLTS STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE I01OB0301 <SB2R51G5/B31/2> - 2 NUTS PER BOLT - 90 mm Length	5/8	I53437440	8	

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>	2588	4"	S01	S	4"	BW	BJ01	4"	5/8"	90
<2>	436 236	4"	S02	S	4"	BW				
<3>	384	4"	S03	S	4"	BW				
			F04	F	4"	BW				
			S05	S	4"	BW				
							INCH METER			
							PIPE NS (IN)		CL LENGTH (M)	
							4		3.6	
ISOMETRIC NO. 4274-SP-XH-DL-2121-VA00035-1-IS01								SPOOLING REV NO. 01		



TECNIMONT
Pinto Joaquim
Mechanical Piping Spv.

Joaquim Pinto
02/05/2024



AUTHORISED FOR CONSTRUCTION

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

JOINT TYPE	ISBEL TYPE OF JOINT	JOINT TYPE	ISBEL TYPE OF JOINT	JOINT TYPE	ISBEL TYPE OF JOINT	JOINT TYPE	ISBEL TYPE OF JOINT	JOINT TYPE	ISBEL TYPE OF JOINT
BW	G	BW	B	LET	LET	BOB	B		
PW	B	BB	B	LP	RF	BOF	B		
LA	RF	BLW	B	MTW	M	THD	TH		

M	MECOWIDE	Prep:	TG	PROC. NR:	PCL 22635
	ENGINEERING CHALLENGES	Status:	IFC	Date:	15-11-2023
		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 (Autocontrols OK).			

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