

 Tecnimont S.p.A.	 REPSOL POLIMEROS SA	4274_CONST 4274-ALBA PROJECT-PP AND PEL PLANTS	
MOD-ITP-XL_220 RELEASE OF SPOOLS FROM WORKSHOP Rev.1		Report n° IP-WSR-P-310-000105_RFI2011_MOD-ITP-XL_220	
		RFI Nr.:	Date :
Unit -			
Plant Area -			
Isometric Number			
Inspection Package Number IP-WSR-P-310-000105_RFI2011 - IP Spool Release From Workshop			

Sheet 01/01

The Present Inspection Package contains the following Elements:

1121-P23026-4-SP01;1121-P23026-4-SP02;1121-P40031-5-SP03;1121-P40031-5-SP01;1121-P40031-5-SP02;2121-PE41B01-1-SP02;2121-CYG40B02-1-SP02;2121-CYG40B02-1-SP01;1121-P40031-2-SP04;1121-P40031-2-SP05;1121-P40031-2-SP06


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"


 L. Gomes
 NWI
 18/04/2024


 NoBo 1155
 18/04/2024


 Pinto Joaquim
 Mechanical Piping Spv.
 Joaquim Pinto
 18/04/2024

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	18/04/2024	Patrice Teixeira	Patrice Teixeira		
CONTRACTOR					
COMPANY					
(Free)					


 QC

ISO Summary List

22635 / 2527
Page 1

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

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

% RT/UT
% PT/MT

ISO # **2121-FL40B04-2**
Piping Size/Class **12-B32S1**

Revision **01**
PED Category **II**

Priority **2**
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
04	02	S08	BW	12" 90 LR ELBOW ASME B16.9 A420-WPL6 BE	370	965233	CE23002063_3.1_01	8:Eletrodo F - SFT08164	MW.24_BW	20/12/2023	VT-I-093						
			12" PIPE - A333-6 BE SMLS	644	12104811C	G2305002-01	18:Vareta F - PVX2910998			S71							
05	03	S10	BW	12" 45 LR ELBOW ASME B16.9 A420-WPL6 BE	418	965233	CE23002039_3.1_01	8:Eletrodo F - SFT08164	MW.24_BW	20/12/2023	VT-I-093		RT: RT-I-0403				
			12" PIPE - A333-6 BE SMLS	644	12104811C	G2305002-01	18:Vareta F - PVX2910998			S71							
06	03	S11	BW	12" PIPE - A333-6 BE SMLS	644	12104811C	G2305002-01	8:Eletrodo F - SFT08164	MW.24_BW	20/12/2023	VT-I-093						
			12" 45 LR ELBOW ASME B16.9 A420-WPL6 BE	418	965233	CE23002039_3.1_01	18:Vareta F - PVX2910998			S71							
07	03	S12	BW	12" 45 LR ELBOW ASME B16.9 A420-WPL6 BE	418	965233	CE23002039_3.1_01	8:Eletrodo F - SFT08164	MW.24_BW	19/12/2023	VT-I-092						
			12" PIPE - A333-6 BE SMLS	644	12104811C	G2305002-01	18:Vareta F - PVX2910998			S71							
08	03	S13	BW	12" PIPE - A333-6 BE SMLS	644	12104811C	G2305002-01	8:Eletrodo F - SFT08164	MW.24_FW	19/12/2023	VT-I-092		RT: RT-I-0403				
			12" 45 LR ELBOW ASME B16.9 A420-WPL6 BE	418	965233	CE23002039_3.1_01	18:Vareta F - PVX2910998			S71							
09	02	S14	BW	12x12" WN FLANGE ASME B16.5 150# A350-L	38	15EE23	225129	8:Eletrodo F - SFT08164	MW.24_BW	20/12/2023	VT-I-093						
			12" PIPE - A333-6 BE SMLS	644	12104811C	G2305002-01	18:Vareta F - PVX2910998			S71							
10	02	S15	BW	12" PIPE - A333-6 BE SMLS	644	12104811C	G2305002-01	8:Eletrodo F - SFT08164	MW.24_BW	20/12/2023	VT-I-093						
			12" 90 LR ELBOW ASME B16.9 A420-WPL6 BE	370	965233	CE23002063_3.1_01	18:Vareta F - PVX2910998			S71							

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: *Patricia Teixeira*
Date: *18/04/2024*
Sign: *Patricia Teixeira*

APPROVED by Client

Name: **TECNIMONT**
Date: *18/04/2024*
Sign: *L. Gomes*

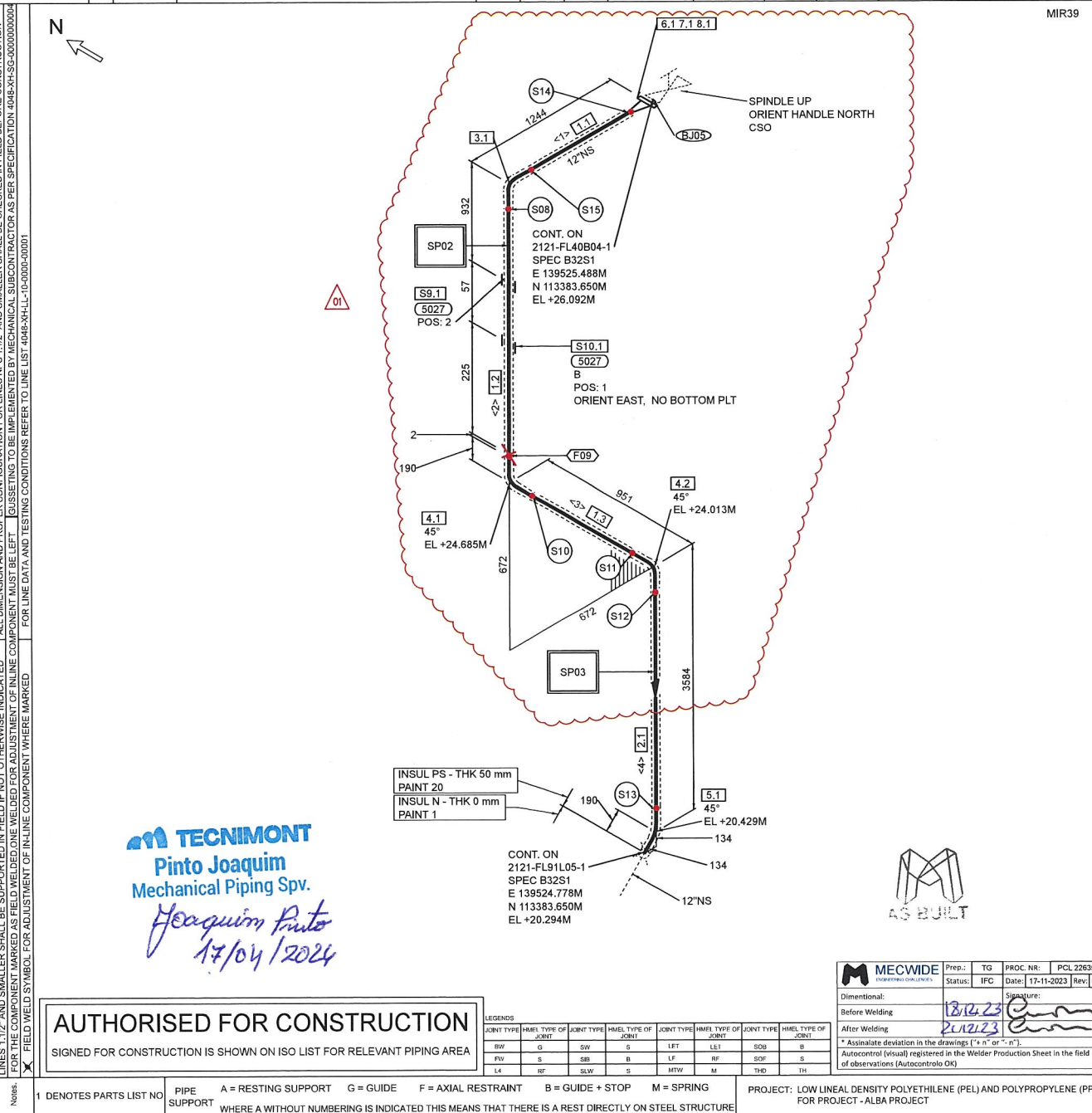
APPROVED by 3rd party or AI

Name: *João Amador*
Date: *18/04/2024*
Sign: *João Amador*



LINE DATA									
FLUID CODE: FL					LINE NO. 12"-FL-40B04-B32S1 (PS)				
01	17-11-2023	ISSUED FOR CONSTRUCTION	TG	MW	TM	PIPING MATERIAL CLASS	INSULATION	WELD CLASS	HEAT TREATMENT
00	22-09-2023	ISSUED FOR CONSTRUCTION	TG	MW	TM				
REV	DATE	REVISION DESCRIPTION	DRAWN UP	CHKD UP	APP'D	B32S1	PS / 50	M	N
								20	19-A-19-000-1-01-00001 sheet 29

Tecnimont		PIPING ISOMETRIC		IDENTIFICATION CODE			
PLANT: SINES INDUSTRIAL COMPLEX	CLIENT REF: REPSOL POLYMEROS	Job	EIC	T	Area	N	
		4274	XHDL	2121	FL40B04		
		UNIT	19	SHEET	2	REV	01
REFERENCES	PIPING ASSET DRAWING	E C T N	PIPING SUPPORT SPECIFICATION	E C T N	PIPING STANDARD SUPPORT SUMMARY	E C T N	
	19-L-19-000-2-00-86196 sheet 7	XH-SG-00000002	XH-SG-00000002	XH-LP-00000001	XH-LP-00000001		
	PIPING ISOMETRIC LIST	E C T N	PIPING TYPICAL INSTALLATIONS	E C T N	WELDING SPECIFICATION	E C T N	
	XH-LD-21210001	XH-SL-00000002	XH-SL-00000002	XH-SW-00000001	XH-SW-00000001		



BILL OF MATERIALS										
FABRICATION MATERIALS										
PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.	HOLD					
1	PIPE									
1	PIPE - A333-6 BE SMLS T01AC22V02 S-20 <PIPL020B11220> (L-8200)	12	I146163	2.0 M						
2	PIPE - A333-6 BE SMLS T01AC22V02 S-20 <PIPL020B11220> (L-8200).	12	I146163	3.2 M						
3	FITTINGS									
3	90 LR ELBOW ASME B16.9 A420-WPL6 BE SMLS C01DC09V01 S-20 <90LL210F31220> (L-7967).	12	I214678	1						
4	45 LR ELBOW ASME B16.9 A420-WPL6 BE SMLS C02DC09V01 S-20 <45LL210F31220> (L-8231)	12	I214687	2						
5	45 LR ELBOW ASME B16.9 A420-WPL6 BE SMLS C02DC09V01 S-20 <45LL210F31220> (L-8231).	12	I214687	1						
6	FLANGES									
6	WN FLANGE ASME B16.5 150# A350-LF2 Class 1 RFFE BE 125 - 250 AARH F01CDC07BV05 S-20 <WNFL300R151220> (L-7971).	12	I140719	1						
ERECTION MATERIALS										
PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.	HOLD					
7	GASKETS									
7	FLAT RING GASKET ASME B16.21 150# RFTBE NA/CARBON/NBR ASME B16.5 G02HDP2Q501 <NMGQ102R1F12> (L-NMG17) .	12	I1169073	1						
8	BOLTS									
8	STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A320-L7/A194-7 INCH SIZE I010B5301 <SB2R55G7/85> - 2 NUTS PER BOLT . - 125 mm Length	7/8	I55705282	12						
9	SUPPORTS									
9	PIPING SUPPORT - BEAMS- BE03 HEA120	12	5027	1						
10	WELDED ANCHOR -C1B1 H = 100 L = 114	12	5027	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>	688	12"	S14	S	12"	BW	BJ05	12"	7/8"	125
<2>	799	12"	S15	S	12"	BW				
<3>	566	12"	S08	S	12"	BW				
<4>	3200	12"	F09	F	12"	BW				
			S10	S	12"	BW				
			S11	S	12"	BW				
			S12	S	12"	BW				
			S13	S	12"	FT				
							INCH METER			
							PIPE NS (IN)		CL LENGTH (M)	
							12		7.5	
ISOMETRIC NO. 4274-SP-XH-DL-2121-FL40B04-2-IS01							SPOOLING REV NO. 01			

AUTHORISED FOR CONSTRUCTION

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

JOINT TYPE	WELD TYPE	JOINT TYPE	WELD TYPE	JOINT TYPE	WELD TYPE	JOINT TYPE	WELD TYPE	JOINT TYPE	WELD TYPE
RFW	G	SW	S	LFT	LEI	SOB	B		
FW	S	SB	B	LF	RF	SOF	S		
L4	RF	SLW	S	MTW	M	THD	TH		

M MECWIDE	Prep:	TG	PROC. NR:	PCL 22635
	Status:	IFC	Date:	17-11-2023
Dimensional:			Rev:	01
Before Welding:			Signature:	
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)				

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

Notes: 1 DENOTES PARTS LIST NO PIPE A = RESTING SUPPORT G = GUIDE F = AXIAL RESTRAINT B = GUIDE + STOP M = SPRING SUPPORT WHERE A WITHOUT NUMBERING IS INDICATED THIS MEANS THAT THERE IS A REST DIRECTLY ON STEEL STRUCTURE