

 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-310-000047_RFI1029_MOD-ITP-XL_220 RFI Nr.: 1029 Date :	
Unit -			
Plant Area -			
Isometric Number			
Inspection Package Number IP-WSR-P-310-000047_RFI1029 - IP Spool Release From Workshop			

Sheet 01/01

The Present Inspection Package contains the following Elements:


6111-VA00086-1-SP01;4222-VA21D02-2-SP03;4222-VA21D02-2-SP02;2211-VRG50B04-2-SP09;2211-VRG50B04-2-SP08;2211-VRG50B04-2-SP07;2211-VRG50B04-2-SP06;2211-VA62F04-1-SP05;2211-VA62F04-1-SP01;2211-VA62E01-1-SP06;2211-VA62E01-1-SP05;2211-VA62E01-1-SP01;1123-BU73055-1-SP02;1123-BU73055-1-SP01;1211-CWR89026-2-SP04;1211-CWR89026-2-SP03;1211-CWR89026-2-SP02;1127-PW52012-3-SP05;1126-BDL32037-1-SP01;1126-BDL32036-1-SP03;1124-VA00012-1-SP01;2211-FW68T51-1-SP01;2211-FW68T39-1-SP01;2121-FL41D02-2-SP06;2121-FL41D02-2-SP05;2121-FL41D02-2-SP04;2121-FL41C01-1-SP01;2121-FL41A01-2-SP02;2121-FL41A01-1-SP01;2211-FW68T67-2-SP04;2211-FW68T67-1-SP03;2211-FW68T67-1-SP02;2211-FW68T67-1-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"


Pinto Joaquim
 Mechanical Piping Spv.
Joaquim Pinto
 05/02/2024


L. Gomes
 NWI
[Signature]
 05/02/2024

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	05/02/2024	Patricio Teixeira	Patricio Teixeira	
CONTRACTOR				
COMPANY				
(Free)				



ISO Summary List

22635 / 2533
Page 1

Client **TECNIMONT/REPSOL**

Job # **22635**

% RT/UT

Local **Portugal**

Project **4274 ALBA-I007 Piping Fabrication**

% PT/MT

ISO # **2121-FL41A01-1**

Revision **00**

Priority **6**

Piping Size/Class **3-B32S1**

PED Category **I**

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	01	S02	BW 3x2" ECCENTRIC REDUCER ASME B16.9 A420- ✓ 3" PIPE - A333-6 BE SMLS ✓	155 453	51822K ✓ 23102064 ✓	0012023-36 23602074 ✓	18:Vareta F PVX2910998	MW.23_BW	28/12/2023 S71	VT-I-098		RT: RT-I-0406					
02	01	S03	OL 3" PIPE - A333-6 BE SMLS ✓ 3x.75" REDUCING SOCKLETT MSS SP-97 3000 ✓	453	23102064 ✓ 2304B-VD41 ✓	23602074 2023-06-283-40	18:Vareta F PVX2910998	MW.23_SBR	28/12/2023 S71	VT-I-098							
05	01	S06	BW 3" PIPE - A333-6 BE SMLS ✓ 3" 90 LR ELBOW ASME B16.9 A420-WPL6 BE ✓	453 587	23102064 ✓ 720406 ✓	23602074 CE23004182_3.1_01	18:Vareta F PVX2910998	MW.23_BW	28/12/2023 S71	VT-I-098		RT: RT-I-0406					
07	01	S01	BW 2x2" WN FLANGE ASME B16.5 150# A350-LF2 ✓ 3x2" ECCENTRIC REDUCER ASME B16.9 A420- ✓	155	22904159 ✓ 51822K ✓	BLD-25-0525-019 0012023-36	18:Vareta F PVX2910998	MW.23_BW	28/12/2023 S71	VT-I-098							

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: *05/02/2024*
Sign: *Patricia Teixeira*

APPROVED by Client

Name: **TECNIMONT**
Date: *L. Gomes*
Sign: *L. Gomes*

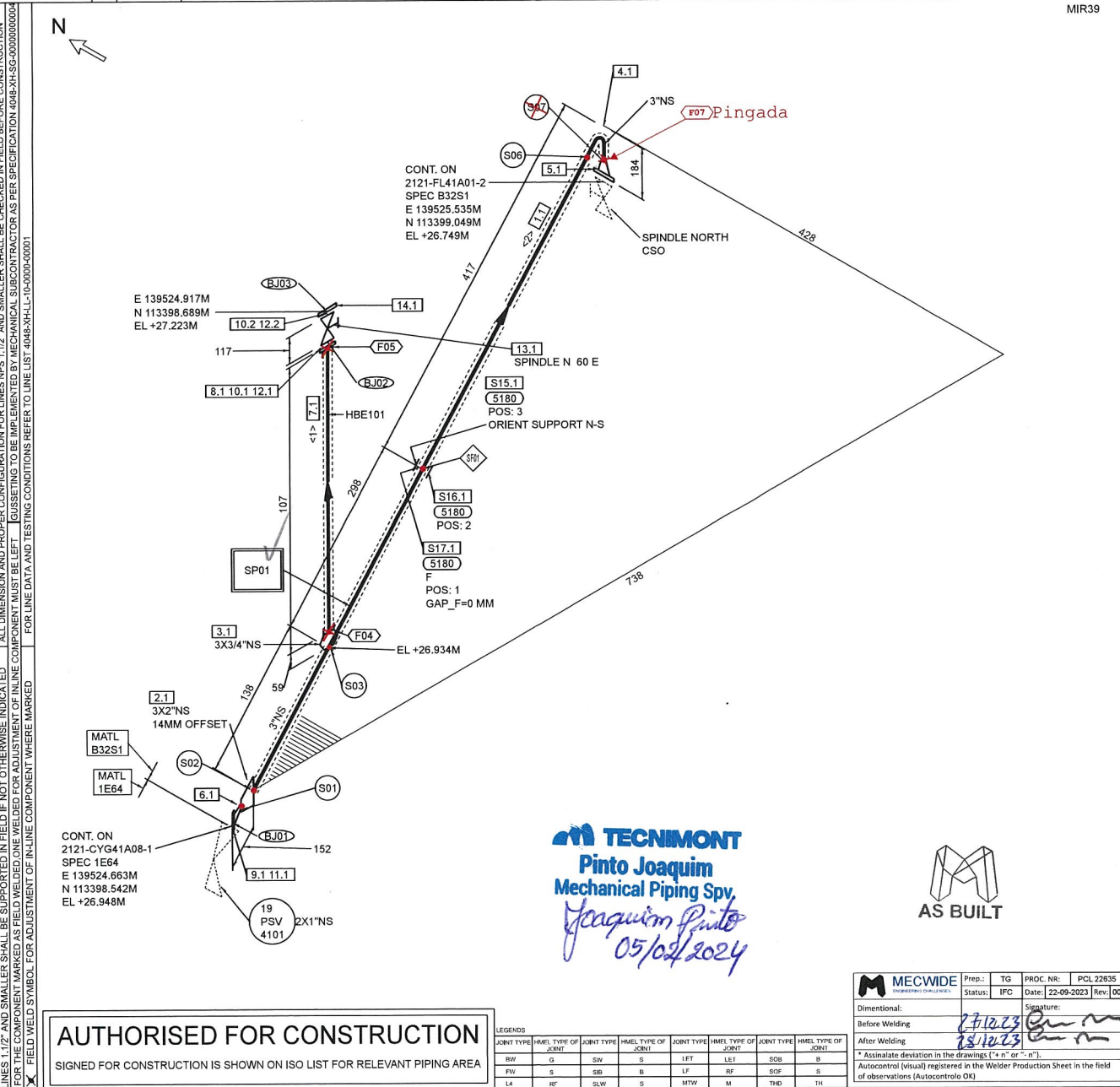
APPROVED by 3rd party or AI

Name:
Date:
Sign:



						LINE DATA				
						FLUID CODE: FL			LINE NO. 3"-FL-41A01-B32S1 (P)	
						PIPING MATERIAL CLASS	INSULATION	WELD CLASS	HEAT TREATMENT	PAINTING CODE
00	22-09-2023	ISSUED FOR CONSTRUCTION	TG	MW	TM	B32S1	P / 50	M	N	1
REV	DATE	REVISION DESCRIPTION	DRAWN UP	CHKD UP	APP'D	B32S1	P / 50	M	N	1

Tecnimont		PIPING ISOMETRIC		IDENTIFICATION CODE			
PLANT: SINES INDUSTRIAL COMPLEX		CLIENT REF: REPSOL POLYMEROS		Job	Area	Sheet	N
				4274	XHDL	2121	FL41A01
				UNIT	19	SHEET	1
				REV 00			
PIPING ASSEMBLY DRAWING		PIPING SUPPORT SPECIFICATION		PIPING STANDARD SUPPORT SUMMARY			
19-L-19-000-2-00-46197 sheet 7		XH-SG-00000002		XH-LP-00000001			
PIPING ISOMETRIC LIST		PIPING TYPICAL INSTALLATIONS		WELDING SPECIFICATION			
XH-LD-21210001		XH-SL-00000002		XH-SW-00000001			



BILL OF MATERIALS				
FABRICATION MATERIALS				
PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY. HOLD
1	PIPE - A333-6 BE SMLS T01AC22V02 S-STD <PIPL020B13STD> (L-8199)	3	1146278	0.8 M
2	ECCENTRIC REDUCER ASME B16.9 A420-WPL6 BE SMLS C22DC09V01 S-STD S-STD <EREL210F315151415> (L-8238)	3X2	1213207	1
3	REDUCING SOCKLETT MSS-SP-97 3000# A350-LF2 Class 1 BE SWE - R13DNC07V101 NREQD <SOKL300L801511> (L-7906)	3X3/4	1368227	1
4	90 LR ELBOW ASME B16.9 A420-WPL6 BE SMLS C01DC09V01 S-STD <90LL210F33STD> (L-7966)	3	1213645	1
5	WN FLANGE ASME B16.5 150# A350-LF2 Class 1 RFFE BE 125 - 250 AARH F01CDC07BV05 S-STD <WNFL300R153STD> (L-7971)	3	1140827	1
6	WN FLANGE ASME B16.5 150# A350-LF2 Class 1 RFFE BE 125 - 250 AARH F01CDC07BV05 S-STD <WNFL300R153STD> (L-7971)	2	1140779	1

ERECTION MATERIALS				
PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY. HOLD
7	PIPE - A333-6 PE SMLS T01AC22Z02 S-XS <PIPL020A13/4XS> (L-PIP01)	3/4	1146384	0.1 M
8	SW FLANGE ASME B16.5 150# A350-LF2 Class 1 RFFE SWE 125 - 250 AARH F02CDC07B105 S-XS <SFWL300R153/4XS> (L-7970)	3/4	1820457	1
9	SPRALL WOUND GASKET ASME B16.20 150# RFTBE 316/GRAP LTCS SS 316 ASME B16.5 G03GDP1IAG8 <N/A> (N/A)	2	146364680	1
10	FLAT RING GASKET ASME B16.21 150# RFTBE N/CARBON/NBR ASME B16.5 G02HDP2QS01 <NMGQ102R1F3/4> (L-NMG17)	3/4	11655198	2
11	STUD BOLTS/NUTS ASME B18.31 2/ B18.2.2 A320-L/7/16-7 INCH SIZE I010B5301 <SB2R55G5/831/2> - 2 NUTS PER BOLT - 85 mm Length	5/8	155705048	4
12	STUD BOLTS/NUTS ASME B18.31 2/ B18.2.2 A320-L/7/16-7 INCH SIZE I010B5301 <SB2R55G1/221/2> - 2 NUTS PER BOLT - 65 mm Length	1/2	155704809	8
13	GATE VALVE API 602 150# A350-LF2 Class 1 RFFE 10-316 API 602 L7/7 125 - 250 AARH BB-OS&Y SOW API 602 HW ASME B16.5 V01GDC07BHX1 NREQD <G43_4L-AL011> (L-AL011)	3/4	163584653	1
14	BLIND FLANGE ASME B16.5 150# A350-LF2 Class 1 RFFE NREQD 125 - 250 AARH F10CDC07B005 <BLFL300R153/4> (L-7972)	3/4	1560221	1
15	PIPING SUPPORT - BEAMS - BE03 HEA160	3	5180	1
16	STAKES SUPPORTS ST05 HEA120	3	5180	1
17	WELDED AXIAL STOP - C1F1 H = 100 L = 120	3	5180	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>	100	3/4"	S01	S	2"	BW	BJ01	2"	5/8"	85
<2>	737	3"	S02	S	3"	BW	BJ02	3/4"	1/2"	65
			S03	S	3/4"	OL	BJ03	3/4"	1/2"	65
			F04	F	3/4"	SW				
			F05	F	3/4"	SW				
			SF01	F	3"	FT				
			S06	S	3"	BW				
			S07 F07	S	3"	BW				
							INCH METER			
							PIPE NS (IN)		CL LENGTH (M)	
							3		1.8	
							2		0.2	
							0.75		0.2	
ISOMETRIC NO. 4274-SP-XH-DL-2121-FL41A01-1-IS00								SPOOLING REV NO. 00		

TECNIMONT
Pinto Joaquim
Mechanical Piping Spv.
Joaquim Pinto
05/02/2024



MECOWIDE		Prep.: TG	Proc. NR: PCL 22935
Status: IFC		Date: 22-09-2023	Rev: 00
Dimensional:		Signature:	
Before Welding:		After Welding:	
L4		L4	
RF		RF	
SLW		SLW	
S		S	
M		M	
TH		TH	

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

Notes:	1 DENOTES PARTS LIST NO	PIPE SUPPORT	A = RESTING SUPPORT G = GUIDE F = AXIAL RESTRAINT B = GUIDE + STOP M = SPRING	PROJECT: LOW LINEAL DENSITY POLYETHYLENE (PEL) AND POLYPROPYLENE (PP) FOR PROJECT - ALBA PROJECT
WHERE A WITHOUT NUMBERING IS INDICATED THIS MEANS THAT THERE IS A REST DIRECTLY ON STEEL STRUCTURE				

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. SUBSISTING TO BE IMPLEMENTED BY MECHANICAL SUBCONTRACTOR AS PER SPECIFICATION 4045-XX-SG-0000000004. FOR LINE DATA AND TESTING CONDITIONS REFER TO LINE LIST 4045-XX-L-10-000-0001.