

 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-310-000120_RFI2220_MOD-ITP-XL_220	
		RFI Nr.:	Date :
Unit -			
Plant Area -			
Isometric Number			
Inspection Package Number IP-WSR-P-310-000120_RFI2220 - IP Spool Release From Workshop			

Sheet 01/01

The Present Inspection Package contains the following Elements:




2121-VRG52A10-2-SP04;2121-VRG52A10-2-SP03;2121-VRG52A10-2-SP02;1121-PR43048-2-SP03;2121-VRG52A10-1-SP01;2121-FL40B04-1-SP01;2121-FL40K01-2-SP02;1121-PR40026-2-SP03;1121-PR40026-2-SP02;1121-PR40026-2-SP01;1121-HCM24078-6-SP11;1121-HCM24078-5-SP10-ZZ;1121-HCM24078-5-SP09;2121-FL40C01-1-SP01;1121-PR43027-4-SP10;1121-PR43027-4-SP09;1121-PR43027-4-SP08;1121-PR43027-4-SP07;1121-PR43027-4-SP06;1121-HCM24082-2-SP04;1121-HCM24082-2-SP05;1121-HCM24082-2-SP03;1121-PR43037-3-SP08;1121-PR43037-3-SP07;1121-PR43037-3-SP06;1121-PR43037-3-SP05;1121-PR43037-2-SP01;1121-PR33019-4-SP06;1121-PR33019-4-SP05;1121-PR24034-5-SP12;1121-PR24034-5-SP11;1121-PR24034-5-SP10;1121-PR23031-2-SP05;1121-PR23031-1-SP07;1121-PR23031-1-SP06-ZZ;1121-CHWS24002-2-SP02;2121-VRG41B09-5-SP09;2121-VRG41B09-5-SP08;2121-VRG41B09-5-SP07;2121-VRG41B09-5-SP06;2121-ET40J06-2-SP05;2121-ET40J06-2-SP04;2121-ET40J06-2-SP03;1121-ET71039-5-SP04;1121-ET71039-5-SP03;1121-ET71039-5-SP02;1121-ET71039-5-SP01;1121-ET71039-4-SP05;1121-VA23003-2-SP06;1121-VA23003-2-SP05;1121-VA23003-2-SP04-ZZ;1121-VA23003-1-SP03;1121-VA23003-1-SP02;1121-VA23003-1-SP01;1121-PR24038-1-SP03;1121-PR24038-1-SP02;1121-PR24038-1-SP01;1121-PR36015-1-SP02;1121-PR36015-1-SP01;1121-HCM31022-2-SP04;1121-HCM31022-2-SP03;1121-HCM31022-2-SP02;1121-HCM24081-2-SP02;1121-HCM24081-2-SP01;1121-HCM24052-1-SP04;1121-HCM24052-1-SP03;1121-HCM24052-1-SP02;1121-HCM24052-1-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"

 L. Gomes NWI	 Pinto Joaquim Mechanical Piping Spv. Joaquim Pinto	 NoBo 1155 João Nunes
02/05/2024	02/05/2024	02/05/2024

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

QC

ISO Summary List

22635 / 6205
Page 1

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

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

% RT/UT
% PT/MT

ISO # **2121-VRG52A10-2**
Piping Size/Class **4-C-42**

Revision **00**
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
02	S15	BW	4" PIPE - A333-6 BE SMLS 4" 90 LR ELBOW ASME B16.9 A420-WPL6 BE	26 372	23211478 720157	23310555 CE23002065_3.1_01	17:Vareta PVX4010501	MW.23_BW	05/04/2024 S285	VT-M-076		RT: RT-I-0641					
03	S16	BW	4" 90 LR ELBOW ASME B16.9 A420-WPL6 BE 4x4" WN FLANGE ASME B16.5 300# A350-LF2	372 37	720157 07EE23	CE23002065_3.1_01 224997	17:Vareta PVX4010501	MW.23_BW	05/04/2024 S285	VT-M-076		RT: RT-I-0641					
04	S17	BW	4x4" WN FLANGE ASME B16.5 300# A350-LF2 4" PIPE - A333-6 BE SMLS	37 26	07EE23 23211478	224997 23310555	17:Vareta PVX4010501	MW.23_BW	04/04/2024 S285	VT-M-075		RT: RT-I-0641					
05	S18	BW	4" PIPE - A333-6 BE SMLS 4x4" WN FLANGE ASME B16.5 300# A350-LF2	26 37	23211478 07EE23	23310555 224997	17:Vareta PVX4010501	MW.23_BW	04/04/2024 S285	VT-M-075		RT: RT-I-0641					
06	S19	BW	4x4" WN FLANGE ASME B16.5 300# A350-LF2 4" 90 LR ELBOW ASME B16.9 A420-WPL6 BE	37 372	07EE23 720157	224997 CE23002065_3.1_01	17:Vareta PVX4010501	MW.23_BW	05/04/2024 S285	VT-M-076		RT: RT-I-0641					
07	S20	BW	4" 90 LR ELBOW ASME B16.9 A420-WPL6 BE 4" PIPE - A333-6 BE SMLS	372 26	720157 23211478	CE23002065_3.1_01 23310555	17:Vareta PVX4010501	MW.23_BW	05/04/2024 S285	VT-M-076		RT: RT-I-0641					

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: *02/05/2024*
Sign: *[Signature]*

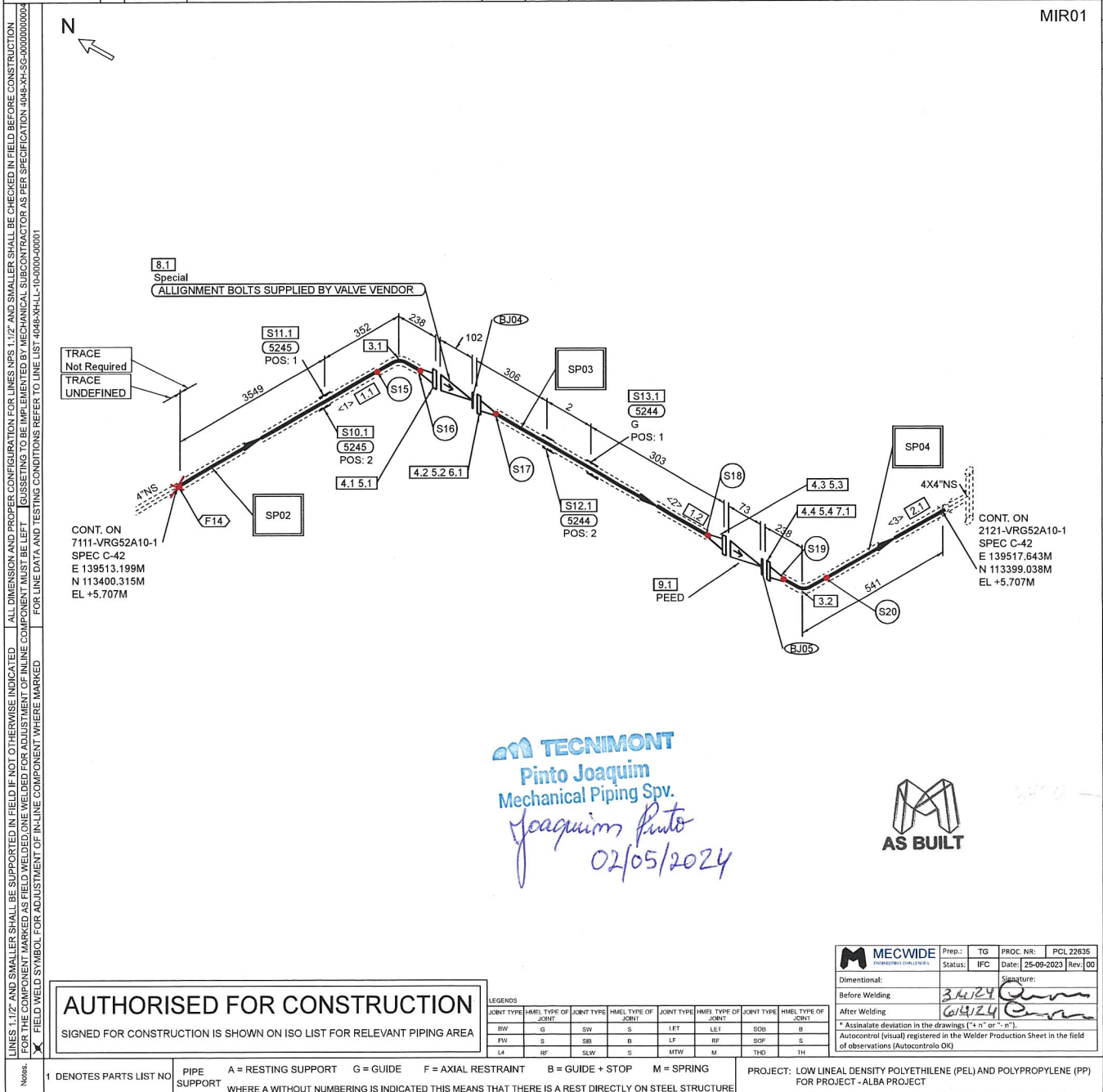
APPROVED by 3rd party or AI

Name: *Jose Antonio*
Date: *02/05/2024*
Sign: *[Signature]*



LINE DATA			
FLUID CODE: VRG			
LINE NO. 4"-VRG-52A10-C-42 (CG)			
PIPING MATERIAL CLASS	INSULATION	WELD CLASS	HEAT TREATMENT
C-42	CG / 65	M	N
PAINTING CODE		P&ID No.	
20		19-A-19-000-1-01-00001 sheet 53	
REV	DATE	REVISION DESCRIPTION	DRAWN UP
00	25-09-2023	ISSUED FOR CONSTRUCTION	TG
			MW
			TM

Tecnimont		PIPING ISOMETRIC	
Job	E C T N	Area	N
4274	XHDL	2121	VRG52A10
UNIT	19	SHEET	2
REV	00		
PLANT: SINES INDUSTRIAL COMPLEX		CLIENT REF: REPSOL POLYMEROS	
REFERENCES: E C T N		E C T N	
P&ID ASS BY DRAWING: 19-L-19-000-1-00-00197 sheet 2		PIPING SUPPORT SPECIFICATION: XH-SG-000000002	
PIPING ISOMETRIC LIST: XH-LD-21210001		PIPING TYPICAL INSTALLATIONS: XH-SL-000000002	
		WELDING SPECIFICATION: XH-SW-000000001	



BILL OF MATERIALS				
FABRICATION MATERIALS				
PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.
1	PIPE - A333-6 BE SMLS T01AC22V02 S-STD <PIPL020B14STD> (L-8199).	4	I146310	4.2 M
2	PIPE - A333-6 BE SMLS T01AC22V02 S-STD <PIPL020B14STD> (L-8199).	4	I146310	0.4 M
3	90 LR ELBOW ASME B16.9 A420-WPL6 BE SMLS C01DC09V01 S-STD <90LL210F34STD> (L-7966).	4	I213646	2
4	WN FLANGE ASME B16.5 300# A350-LF2 Class 1 RFFE BE 125 - 250 AARH F01CF07BV05 S-STD <WNFL300R354STD> (L-7981).	4	I219623	4
ERECTION MATERIALS				
PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.
5	GASKETS SPIRAL WOUND GASKET ASME B16.20 300# RFTBE 316/GRAP LTCSS SS 316 ASME B16.5 G03GFP1AG8 <N/A> (N/A).	4	I46364709	4
6	BOLTS STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A320-L7/A194-7 INCH SIZE I01OB5301 <SB2R55G3483/4> - 2 NUTS PER BOLT - 220 mm Length	3/4	I55705106	8
7	STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A320-L7/A194-7 INCH SIZE I01OB5301 <SB2R55G3473/4> - 2 NUTS PER BOLT - 195 mm Length	3/4	I55705101	8
8	DISC CHECK WFR VALVE ASME B16.34 300# A352-LCC RFTBE 316/PEEK 125 - 250 AARH SL VERTICAL&HORIZONTAL CRACKING PRESSURE AT 4.25 PSI ASME B16.5 V40JFC82P12 NREQD <N/A> (N/A).	4	I66040922	1
9	TILTING CHECK LUG ASME B16.34 300# A352-LCC RFTBE DISC:DI SEAT:PEEK 125 - 250 AARH ASME B16.5 V48JFC82P13 NREQD <N/A> (N/A).	4	I66040865	1
10	SUPPOTS STAKES SUPPORTS ST01 HEA100	4	5245	1
11	RESTING SHOE CLAMPED,COLD INS. -F2A1 H=150 L=300	4	5245	1
12	STAKES SUPPORTS ST02 HEA120	4	5244	1
13	CLAMPED GUIDE,COLD INS.-F2G1 H=150 L=300	4	5244	1
CUT LIST				
PIECE NO	LENGTH (MM)	SIZE (IN)	WELD NO	WELD CAT.
<1>	3549	4"	F14	F
<2>	437	4"	S15	S
<3>	387	4"	S16	S
			S17	S
			S18	S
			S19	S
			S20	S
WELD LIST				
WELD NO	WELD CAT.	SIZE (IN)	WELD TYPE	BOLT NO
F14	F	4"	BW	BJ04
S15	S	4"	BW	BJ05
S16	S	4"	BW	
S17	S	4"	BW	
S18	S	4"	BW	
S19	S	4"	BW	
S20	S	4"	BW	
BOLT LIST				
BOLT NO	FLANGE SIZE(IN)	SIZE (IN)	LENGTH (MM)	
BJ04	4"	3/4"	220	
BJ05	4"	3/4"	195	
INCH METER				
PIPE NS (IN)		CL LENGTH (M)		
4		5.7		