

 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-310-000120_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
	Date [DD-MMM-YYYY]	Name	Signature	
SUBCONTRACTOR	02/05/2024	Patrícia Texeira	Patrícia Texeira	
CONTRACTOR				
COMPANY				
(Free)				

QC

ISO Summary List

22635 / 2526

Page 1

Client **TECNIMONT/REPSOL**

Job # **22635**

% RT/UT

Local **Portugal**

Project **4274 ALBA-I007 Piping Fabrication**

% PT/MT

ISO # **2121-FL40B04-1**

Revision **00**

Priority **2**

Piping Size/Class **12-B32S1**

PED Category **II**

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
03 01	S01	BW	6x6" WN FLANGE ASME B16.5 300# A350-LF2	39	05HC23	225263	11:Eletrodo F - SFX0610630	MW.24_BW	19/12/2023	VT-I-092							
			12x6" ECCENTRIC REDUCER ASME B16.9 A420	146	L77866	0012023-23	18:Vareta F - PVX2910998	MW.24_BW	S138								
04 01	S02	BW	12x6" ECCENTRIC REDUCER ASME B16.9 A420	146	L77866	0012023-23	11:Eletrodo F - SFX0610630	MW.24_BW	19/12/2023	VT-I-092							
			12" PIPE - A333-6 BE SMLS	644	12104811C	G2305002-01	18:Vareta F - PVX2910998		S138								
05 01	S03	OL	12" PIPE - A333-6 BE SMLS	644	12104811C	G2305002-01	18:Vareta F	MW.23_SBR	19/12/2023	VT-I-092							
			12x.75" REDUCING SOCKOLET MSS SP-97 300	TCM	S220012000X	2023-03-225-45	PVX2910998		S138		MT: MT-I-060-A						
06 01	S06	BW	12" PIPE - A333-6 BE SMLS	644	12104811C	G2305002-01	11:Eletrodo F - SFX0610630	MW.24_BW	19/12/2023	VT-I-092							
			12x12" WN FLANGE ASME B16.5 150# A350-L	38	15EE23	225129	18:Vareta F - PVX2910998		S138								

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: *02/05/2024*

Sign: *Patricia Teixeira*

APPROVED by Client

Name: *TECNIMONT*

Date: *02/05/2024*

Sign: *[Signature]*


APPROVED by 3rd party or AI

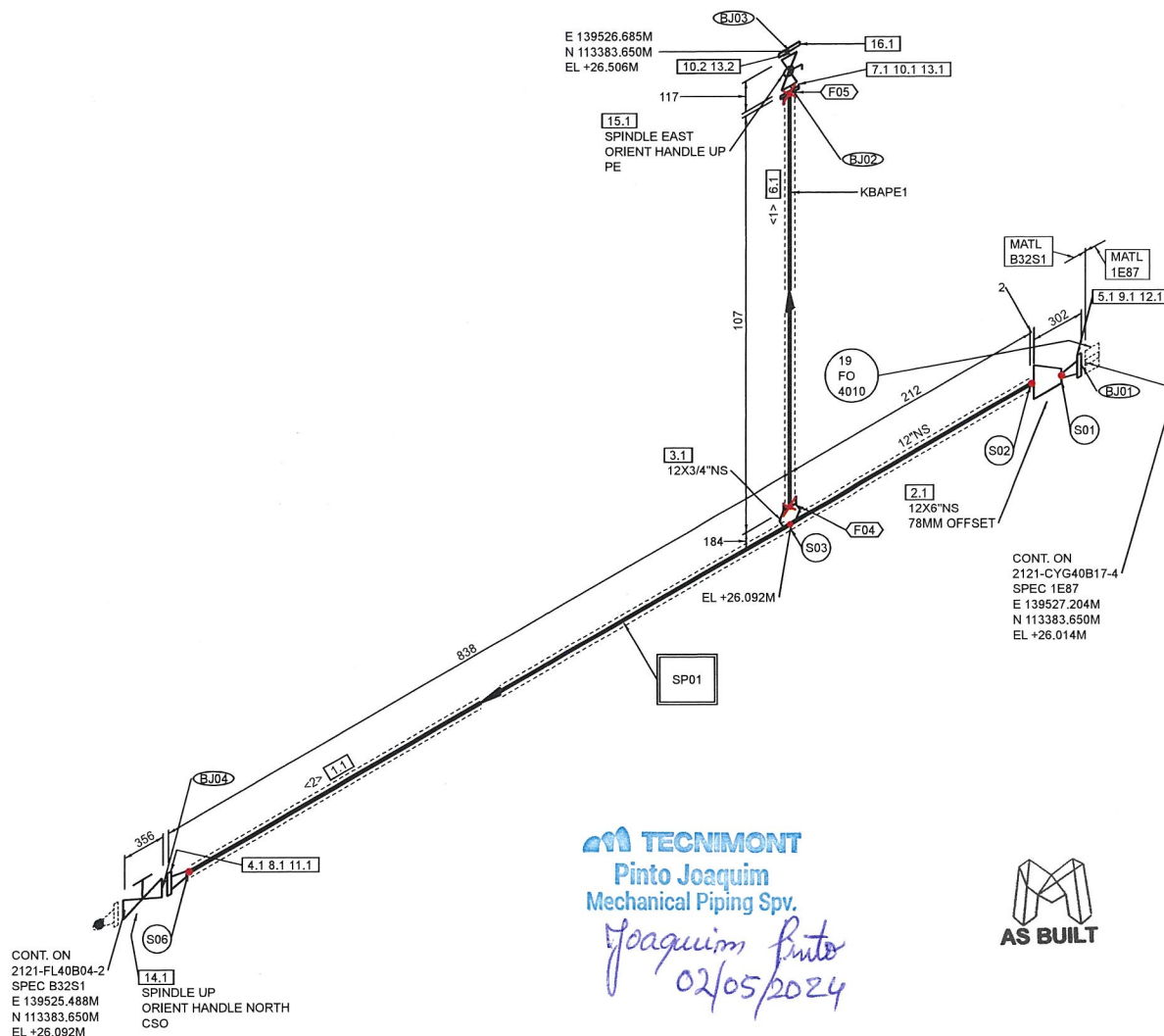
Name: *João Aurélio*

Date: *02/05/2024*

Sign: *[Signature]*

NoBo 1155 ☐ reviewed by ☐ witnessed by


 Technimont		PIPING ISOMETRIC		IDENTIFICATION CODE				
				Job	EIC	Area	N	
PLANT: SINES INDUSTRIAL COMPLEX		CLIENT REF: REPSOL POLYMEROS		4274	XHDL	2121	FL40B04	
				UNIT	19	SHEET	1 REV 00	
REFERENCES	E C T N		E C T N		E C T N		E C T N	
	PIPING AS-BUILT DRAWING		PIPING SUPPORT SPECIFICATION		PIPING STANDARD SUPPORT SUMMARY		X-H-L-00000000	
	194-19-0002-0-00-96196 sheet 1		X-H-SG-000000002				X-H-L-00000000	
	PIPING ISOMETRIC LIST		PIPING TYPICAL INSTALLATIONS		WELDING SPECIFICATION		X-H-SL-000000002	
	X-H-LD-21210001		X-H-SL-000000002		X-H-SL-000000002		X-H-SW-000000000	



TECNIMONT
Pinto Joaquim
Mechanical Piping Spv.

Joaquim Pinto
02/05/2024



 MEC WIDE ENGINEERING CHALLENGES	Prep.: _____	TG _____	PROC. NR.: _____	PCL 2263
	Status: IFC	Date: 22-09-2023	Rev: _____	
Dimensional:	Signature: _____			
Before Welding	8/12/23			
After Welding	30/12/23			

* Assilate deviation in the drawings ("°" or "mm").

Autocontrol (visual) registered in the Welder Production Sheet in the field of observations (Autocontrol OK)

AUTHORISED FOR CONSTRUCTION

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

LEGENDS							
JOINT TYPE	HMEI TYPE OF JOINT	JOINT TYPE	HMEI TYPE OF JOINT	JOINT TYPE	HMEI TYPE OF JOINT	JOINT TYPE	HMEI TYPE OF JOINT
BW	G	SW	S	LET	LET	SOB	B
FIV	S	SOB	B	LF	RF	SOF	S
LA	RF	SLM	S	MTW	M	TWD	TH

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

BILL OF MATERIALS					
FABRICATION MATERIALS					
PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.	HOLD
	PIPE				
1	PIPE - A333-6 BE SMLS T01AC22V02 S-20 <P1PLO20B11220> (L-8200).	12	I146153		
	FITTINGS				
2	ECCENTRIC REDUCER ASME B16.9 A420-WPL6 BE SMLS C22DC09V01 S-20 S-STD <EREL210F320101715> (L-8238).	12X6	I367941	1	
	REDUCING SOCKET WELD MSS-SP-97 3000# A350-LF2 Class 1 BE SWE - R11DNC07V101 NREQD <SOKL300L.B02011> (L-7906).	12X3/4	I368127	1	
	FLANGES				
4	WN FLANGE ASME B16.5 150# A350-LF2 Class 1 RFBE BE 125 - 250 AARH F01CDC07BV05 S-20 <WNFL300R151220> (L-7971).	12	I140719	1	
5	WN FLANGE ASME B16.5 300# A350-LF2 Class 1 RFBE BE 125 - 250 AARH F01FC07BV05 S-STD <WNFL300R356STD> (L-7981)	6	I219625	1	

ERECTION MATERIALS					
PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.	HOLD
	<u>PIPE</u>				
6	PIPE - A333-6 PE SMLS T01AC22202 X-S< <PIPL020A13/4XS> (L-PIPO1)	3/4	I146384	0.2 M	
	<u>FLANGES</u>				
	SW FLANGE ASME B16.5 150# A350-LF2 Class 1 RFFE SWE 125 - 250 AARH F00DCD07B105 X-S< <SWFL300R153/4XS> (L-7970)	3/4	I820457	1	
	<u>GASKETS</u>				
6	FLAT RING GASKET ASME B16.21 150# RTBTE NA/CARBON/NBR ASME B16.5 G02HPD20S01 <NMG0102R1F12> (L-NMG17)	12	I1169073	1	
6	FLAT RING GASKET ASME B16.21 300# RTBTE NA/CARBON/NBR ASME B16.5 G02HPF20S01 <NMG0102R3F6> (L-NMG18)	6	I1166094	1	
6	FLAT RING GASKET ASME B16.21 150# RTBTE NA/CARBON/NBR ASME B16.5 G02HPD20S01 <NMG0102R1F3/4> (L-NMG17)	3/4	I1655198	2	
	<u>BOLTS</u>				
11	STUD BOLTSANUTS ASME B18.31.2/ B18.2.2 A320-L7/A194-7 INCH SIZE I010B5301 <SBZR55G7/85> - 2 NUTS PER BOLT - 125 mm Length	7/8	I55705282	12	
11	STUD BOLTSANUTS ASME B18.31.2/ B18.2.2 A320-L7/A194-7 INCH SIZE I010B5301 <SBZR55G3/4x51/4> - 2 NUTS PER BOLT - 135 mm Length	3/4	I55705089	12	
11	STUD BOLTSANUTS ASME B18.31.2/ B18.2.2 A320-L7/A194-7 INCH SIZE I010B5301 <SBZR55G1/2x1/2> - 2 NUTS PER BOLT - 65 mm Length	1/2	I55704809	8	
	<u>VALVES / IN-LINE ITEMS</u>				
14	GATE VALVE API 600 150# A352-LCC RFFE 10-316 API 600 L7/7 125 - 250 AARH BB-OS&Y FLXW API 600 GE ASME B16.5 V01FDC82B123 NREQD <G412L-8353> (L-8353).	12	I63584488	1	
14	BALL VALVE BS EN ISO 17292 150# A352-LCC RFFE 304/PEEK L7/7 125 - 250 AARH 2PSB-FULL BORE FLOATING BALL LE ASME B16.5 V04FDC82B6L1 NREQD <B43_4L-AL052> (L-AL052)	3/4	I63584718		
14	BLIND FLANGE ASME B16.5 150# A350-LF2 Class 1 RFFE NREQD 125 - 250 AARH F10CDDC07B005 <BLFL300R153/4> (L-7972)	3/4	I560221	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>	101	3/4"	S01	S	6"	BW	BJ01	6"	3/4"	135
<2>	934	12"	S02	S	12"	BW	BJ02	3/4"	1/2"	65
			S03	S	3/4"	OL	BJ03	3/4"	1/2"	65
			F04	F	3/4"	SW	BJ04	12"	7/8"	125
			F05	F	3/4"	SW				
			S06	S	12"	BW				
INCH METER										
PIPE NS (IN)							CL LENGTH (M)			
6							0.4			
12							2.5			
0.75							0.2			
ISOMETRIC NO. 4274-SP-XH-DL-2121-FL40B04-1-IS00									SPOOLING REV.NO. 00	