

 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-310-000030_RFI727 MOD-ITP-XL_220	
		RFI Nr.: 727	Date :
Unit -			
Plant Area -			
Isometric Number			
Inspection Package Number IP-WSR-P-310-000030_RFI727 - IP Spool Release From Workshop			

Sheet 01/01

The Present Inspection Package contains the following Elements:


2121-VG40P10-3-SP05;2121-VG40P10-3-SP04;2121-VG40P10-3-SP03;2121-VG40P10-2-SP02;2121-VG40P10-1-SP01;2121-VG40P02-2-SP05;2121-VG40P02-2-SP04;2121-VG40P02-2-SP03;2121-VG40P02-2-SP02;2121-VG40P02-2-SP01;2121-HCM40C01-1-SP02;2121-HCM40C01-1-SP01;2121-ET40J11-1-SP01;2121-ET40F04-7-SP16;2121-ET40F04-7-SP15;2121-ET40F04-5-SP10;2121-ET40F04-5-SP09;2121-ET40F04-3-SP04;2121-ET40F04-10-SP12;2121-ET40F04-10-SP11;2121-ET40A07-5-SP09;2121-ET40A07-5-SP08;2121-ET40A07-3-SP06;2121-ET40A07-2-SP05;2121-CWS40G02-5-SP05;2121-CWS40G02-5-SP04;2121-CWS40G02-1-SP06;2121-CWR40B02-7-SP05;2121-CWR40B02-7-SP04

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
 04/01/2024


 NoBo 1155
 reviewed by
 witnessed by
 04/01/2024

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	04/01/2024	Patricia Teixeira	Patricia Teixeira		
CONTRACTOR	04/01/2024	JOAQUIM PINTO	Joachim Pinto		
COMPANY					
(Free)					



QC SUR. TEM



ISO Summary List

22635 / 1971

Page 1

Client TECNIMONT/REPSOL

Job # 22635

% RT/UT

Local Portugal

Project 4274 ALBA-I007 Piping Fabrication

% PT/MT

ISO # 2121-ET40A07-3 ✓

Revision 00

Priority 6

Piping Size/Class 8-1E21

PED Category III

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-PM/HT	NDT-PN	NDT-FT	Extension 1	Extension 2
01	06	S28 ✓	OL	8" PIPE - A106-B BE SMLS ✓ 8x.75" REDUCING SOCKOLET MSS SP-97 3000 ✓	22 425	23302454 ✓ 244301 ✓ CE/2022/1596	23310551 16:Vareta - PVX2911394	1:Eletrodo - SBX0812275 MW.21_SBR 16:Vareta - PVX2911394	09/11/2023 B371	VT-I-067	MT: MT-I-035-A						
02	06	S32 ✓	BW	8" PIPE - A106-B BE SMLS ✓ 8x8" WN FLANGE ASME B16.5 300# A105N RF ✓	22 36	23302454 ✓ 04EE23 ✓ 224878	23310551 16:Vareta - PVX2911394	1:Eletrodo - SBX0812275 MW.21_BW 16:Vareta - PVX2911394	09/11/2023 B371	VT-I-067							
06	06	S24 ✓	OL	8" PIPE - A106-B BE SMLS ✓ 8x.75" REDUCING SOCKOLET MSS SP-97 3000 ✓	22 425	23302454 ✓ 244301 ✓ CE/2022/1596	23310551 16:Vareta - PVX2911394	1:Eletrodo - SBX0812275 MW.21_SBR 16:Vareta - PVX2911394	09/11/2023 B371	VT-I-067							
09	06	S23 ✓	BW	8x6" ECCENTRIC REDUCER ASME B16.9 A234- ✓ 8" PIPE - A106-B BE SMLS ✓	134 22	55280 ✓ 23302454 ✓ 23310551	0012023-07 16:Vareta - PVX2911394	1:Eletrodo - SBX0812275 MW.21_BW 16:Vareta - PVX2911394	09/11/2023 B371	VT-I-067							
10	06	S22 ✓	BW	6x6" WN FLANGE ASME B16.5 300# A105N RF ✓ 8x6" ECCENTRIC REDUCER ASME B16.9 A234- ✓	37 134	70HC22 ✓ 55280 ✓ 0012023-07	224997 16:Vareta - PVX2911394	1:Eletrodo - SBX0812275 MW.21_BW 16:Vareta - PVX2911394	09/11/2023 B371	VT-I-067							
11	06	S30 ✓	OL	8" PIPE - A106-B BE SMLS ✓ 8x1" REDUCING SOCKOLET MSS SP-97 3000#	22 425	23302454 ✓ 21/72994 ✓ CE/2022/1596	23310551 16:Vareta - PVX2911394	1:Eletrodo - SBX0812275 MW.21_SBR 16:Vareta - PVX2911394	09/11/2023 B371	VT-I-067							

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: 04/01/2024
Sign: Patricia Teixeira QC

APPROVED by Client

Name: L. Gomes
Date: 04/01/2024
Sign: L. Gomes

APPROVED by 3rd party or AI

Name: Joao Junior
Date: 09/04/2024
Sign: Joao Junior

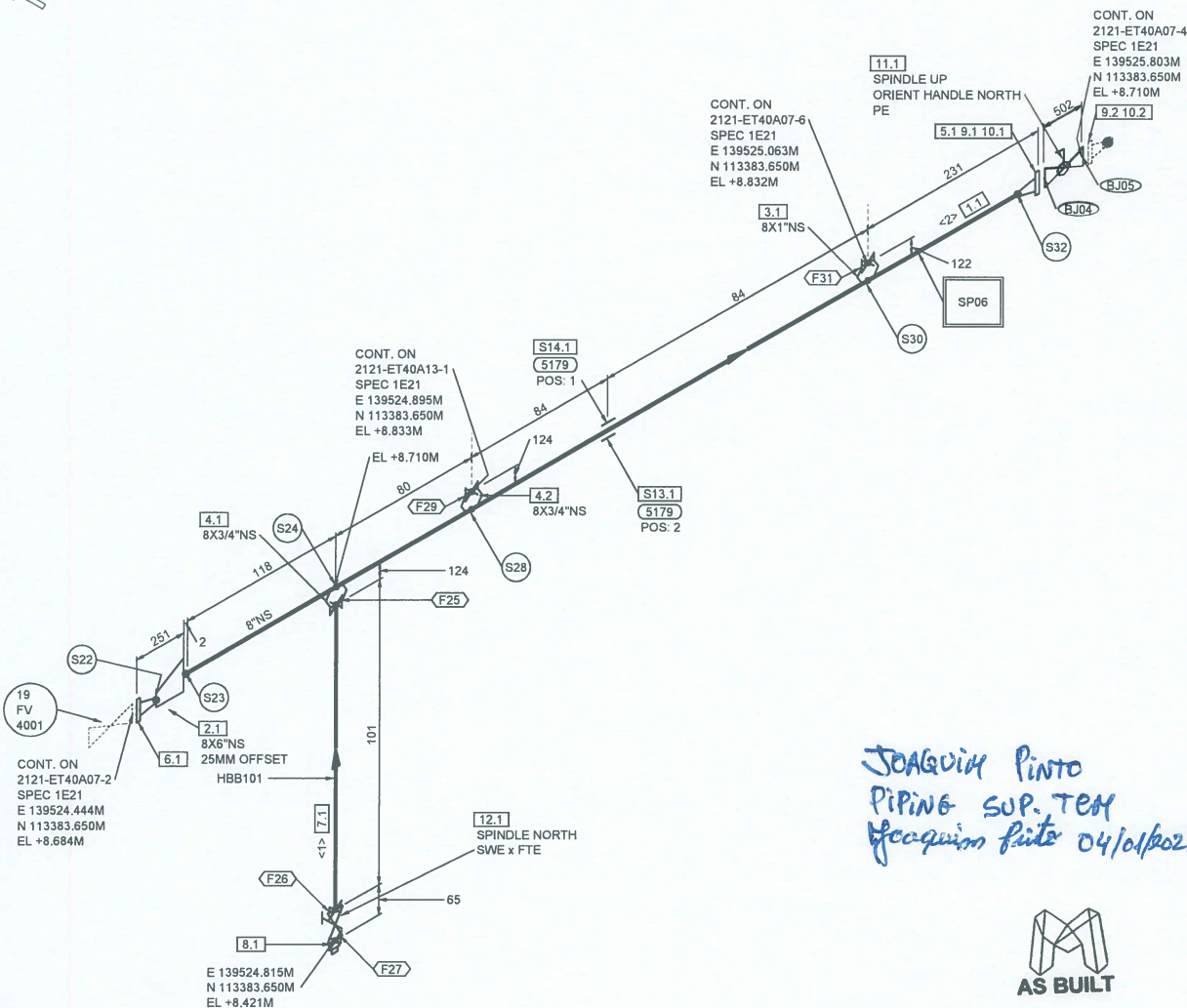
SGS
NoBo 1155
reviewed by
witnessed by

LINE 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. (GUSSETING TO BE IMPLEMENTED BY MECHANICAL SUBCONTRACTOR AS PER SPECIFICATION 4048-XH-SG-0000000004).
X FIELD WELD SYMBOL FOR ADJUSTMENT OF IN-LINE COMPONENT WHERE MARKED. FOR LINE DATA AND TESTING CONDITIONS REFER TO LINE LIST 4048-XH-L-10-0000-00001



FLUID CODE: ET				LINE DATA			
PIPING MATERIAL CLASS				INSULATION	WELD CLASS	HEAT TREATMENT	PAINTING CODE
1E21	N / 0	E	N	1	19-A-19-000-1-01-00001 sheet 28		
00	11-09-2023	ISSUED FOR CONSTRUCTION	TG	MW	TM		
REV	DATE	REVISION DESCRIPTION	DRAWN UP	CHKD UP	APP'D		

PLANT: SINES INDUSTRIAL COMPLEX		CLIENT REF: REPSOL POLYMEROS		IDENTIFICATION CODE			
Job		Area		Job	Area	Job	Area
4274		XHDL		2121	ET40A07	3	REV 00
UNIT		SHEET		19			
PIPING ASSEMBLY DRAWING		PIPING SUPPORT SPECIFICATION		PIPING STANDARD SUPPORT SUMMARY			
19-L-19-000-1-01-00001 sheet 3		XH-LP-000000002		XH-LP-000000001			
PIPING ISOMETRIC LIST		PIPING TYPICAL INSTALLATIONS		WELDING SPECIFICATIONS			
XH-LD-21210001		XH-SL-000000002		XH-SW-000000001			



JOAQUIM PINTO
PIPING SUP. TEN
Joaquim Pinto 04/04/2023



AUTHORISED FOR CONSTRUCTION

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

LEGENDS		JOINT TYPE		JOINT TYPE		JOINT TYPE		JOINT TYPE		JOINT TYPE	
ISO	DESCRIPTION	ISO	DESCRIPTION	ISO	DESCRIPTION	ISO	DESCRIPTION	ISO	DESCRIPTION	ISO	DESCRIPTION
1	RESTING SUPPORT	2	GUIDE	3	AXIAL RESTRAINT	4	GUIDE + STOP	5	SPRING	6	OTHER
7	WHERE A WITHOUT NUMBERING IS INDICATED THIS MEANS THAT THERE IS A REST DIRECTLY ON STEEL STRUCTURE	8		9		10		11		12	

MECOWIDE		Prep:	TG	Proc. No:	PCL 22635
Status:		IFC	Date:	11-09-2023	Rev: 00
Dimensional:		Before Welding			
After Welding		9/11/2023			
Autocontrol (visual) registered in the Welder Production Sheet in the field of observations (Autocontrol OK)					

BILL OF MATERIALS				
PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY. HOLD
1	PIPE - A106-B BE SMLS T01AC03V02 S-STD <PIPA010B18STD> (L-7806)	8	117995	0.5 M
2	ECCENTRIC REDUCER ASME B16.9 A234-WPB BE SMLS C22DC04V01 S-STD S-STD <ERE200F318151715> (L-7959)	8X6	1128397	1
3	REDUCING SOCKOLET MSS-SP-97 3000# A105N BE SWE - R13DNC44V101 NREQD <SOKA300LB01812> (L-343)	8X1	11651356	1
4	REDUCING SOCKOLET MSS-SP-97 3000# A105N BE SWE - R13DNC44V101 NREQD <SOKA300LB01811> (L-343)	8X3/4	11651372	2
5	FLANGES VWN FLANGE ASME B16.5 300# A105N RFFE BE 125 - 250 AARH F01CFC44BV05 S-STD <WNFA300R358STD> (L-236)	8	14274966	1
6	VWN FLANGE ASME B16.5 300# A105N RFFE BE 125 - 250 AARH F01CFC44BV05 S-STD <WNFA300R356STD> (L-236)	6	14274965	1

ERECTION MATERIALS				
PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY. HOLD
7	PIPE - A106-B PE SMLS T01AC03Z02 S-XS <PIPA010A134XS> (L-6679)	3/4	1132785	0.1 M
8	PLUG ROUND HEAD ASME B16.11 - A105N MTE NREQD - R42FCQ44W001 NREQD <PLUA300CK3/4> (L-77)	3/4	110088232	1
9	GASKETS SPIRAL WOUND GASKET ASME B16.20 300# RFTBE 304/GRAFOIL CARBON STEEL SS 304 ASME B16.5 G03GFP11S12 <N/A> (N/A)	8	163508997	2
10	BOLTS STUD BOLTS/NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE 1010B0301 <SB2R5107/851/2> - 2 NUTS PER BOLT - 140 mm Length	7/8	153437666	24
11	VALVES IN-LINE ITEMS BALL V-TRUNN ASME B16.34 300# A216-WCB RFFE 316/PEEK B7/2H 125 - 250 AARH 2PSB-FULL BORE TRUNN-MOUNTED GE TIGHT SHUT-OFF (TSO) ASME B16.5 V48JFC29B01H NREQD <B48L-AL220> (L-AL220)	8	163782514	1
12	GATE VALVE API 602 800# A105N SWE FTE 8-F&HF WB-OS&Y SOW API 602 HW V01CIC4412BL NREQD <N/A> (N/A)	3/4	110015410	1
13	SUPPORTS PIPING SUPPORT - BEAMS- BE03 HEA140	8	5179	1
14	STAKES SUPPORTS ST01 HEA140	8	5179	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)
<1>	100	3/4"	S22	S	6"	BW	BJ04	8"	7/8"
<2>	484	8"	S23	S	8"	BW	BJ05	8"	7 8"
			S24	S	3/4"	OL			
			F25	F	3/4"	SW			
			F26	F	3/4"	SW			
			F27	F	3/4"	THD			
			S28	S	3/4"	OL			
			F29	F	3/4"	SW			
			S30	S	1"	OL			
			F31	F	1"	SW			
			S32	S	8"	BW			

INCH METER	
PIPE NS (IN)	CL LENGTH (M)
8	2.9
6	0.3
0.75	0.2