

 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-310-000055_RFI1119 MOD-ITP-XL_220	
		RFI Nr.: 1119	Date :
Unit -			
Plant Area -			
Isometric Number			
Inspection Package Number IP-WSR-P-310-000055_RFI1119 - IP Spool Release From Workshop			

Sheet 01/01

The Present Inspection Package contains the following Elements:




2211-VRG50A09-1-SP02;2211-VRG50A09-1-SP01;2211-VRG50A08-1-SP11;2211-VRG50A08-1-SP07;2211-VRG50A08-1-SP06;2211-VRG50A08-1-SP05;2211-FL50A02-4-SP09;2211-FL50A02-4-SP08;2211-CWR40G04-3-SP04;2211-CWR40G04-2-SP03;2211-CWR40G04-2-SP02;2211-CWR40G04-1-SP01;2211-CWR40B02-3-SP04;2211-CWR40B02-3-SP03;2121-VRG41B13-1-SP05;2121-VG40P02-1-SP01;2121-FL40K02-1-SP02;2121-FL40K02-1-SP01;2121-FL40C01-3-SP04;2121-FL40C01-3-SP03;2121-ET40F04-1-SP02;2121-ET40F04-1-SP01;2121-ET40A07-7-SP04;2121-CWS40G04-1-SP03;2121-CWS40G04-1-SP02;2121-CWS40G04-1-SP01;2121-CWS40G03-2-SP02;2121-CWS40G03-1-SP01-ZZ;2121-CWR40B02-3-SP07;2121-CWR40B02-3-SP06;2121-CWR40B02-1-SP11;2121-CWR40B02-1-SP02;2121-CWR40B02-1-SP01;2121-COM40B01-1-SP02;2121-COM40B01-1-SP01;2121-BU10C13-2-SP05;2121-BU10C13-2-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 20/02/2024	 Pinto Joaquim Mechanical Piping Spv. Joaquim Pinto 20/02/2024	JOT Amora 20/02/2024  NoBo 1155			
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	20/02/2024	Patricia Teixeira	Patricia Teixeira		
CONTRACTOR					
COMPANY					
(Free)					



ISO Summary List

22635 / 1629

Page 1

Client **TECNIMONT/REPSOL**

Job # **22635**

% RT/UT

Local **Portugal**

Project **4274 ALBA-I007 Piping Fabrication**

% PT/MT

ISO # **2121-CWS40G03-2**

Revision **00**

Priority **6**

Piping Size/Class **24-B-1**

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-PMI/HT	NDT-PN	NDT-FT	Extension 1	Extension 2
02	S11	BW	24" PIPE - A106-B BE SMLS ✓ 24x24" WN FLANGE ASME B16.5 150# A105N ✓	121 39	23301997 ✓ 03EE23 ✓	23503492 225263	3:Eletrodo - SBX1211788 5:Vareta - PVX1312824	MW.21_BW	31/10/2023 S08	VT-I-060							
02	S08	BW	24x24" WN FLANGE ASME B16.5 150# A105N ✓ 24" PIPE - A106-B BE SMLS ✓	39 121	03EE23 ✓ 23301997 ✓	225263 23503492	3:Eletrodo - SBX1211788 5:Vareta - PVX1312824	MW.21_BW	31/10/2023 S08	VT-I-060							
01	S07	BW	28x24" ECCENTRIC REDUCER ASME B16.9 A23 ✓ 24x24" WN FLANGE ASME B16.5 150# A105N ✓	616 39	33258 ✓ 03EE23 ✓	CE23004212_3_1_01 225263	3:Eletrodo - SBX1211788 5:Vareta - PVX1312824	MW.21_BW	30/10/2023 S260	VT-I-059							
01	S06	BW	28x24" REDUCING TEE ASME B16.9 A234-WPB ✓ 28x24" ECCENTRIC REDUCER ASME B16.9 A23 ✓	617 616	33258 ✓ 33258 ✓	CE23004213_3_1_01 CE23004212_3_1_01	3:Eletrodo - SBX1211788 5:Vareta - PVX1312824	MW.21_BW	30/11/2023 S46	VT-I-081							

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: Patrícia Teixeira
Date: 19/02/2024
Sign: Patrícia Teixeira

QC

APPROVED by Client

Name: L. Gomes
Date: 20/02/2024
Sign: [Signature]

APPROVED by 3rd party or AI

Name: João Amaro
Date: 20/02/2024
Sign: [Signature]

SGS
NoBo 1155

ALL DIMENSION AND PROPER CONFIGURATION FOR LINES NPS 1.1/2" AND SMALLER SHALL BE CHECKED IN FIELD BEFORE CONSTRUCTION. LINES 1.1/2" AND SMALLER SHALL BE SUPPORTED IN FIELD IF NOT OTHERWISE INDICATED. THE DRILLING AND TAPPING FOR JACK SCREW SHALL BE DONE BY MECHANICAL CONTRACTOR ACCORDING TO PE-L-0100.13 "JACK SCREW".

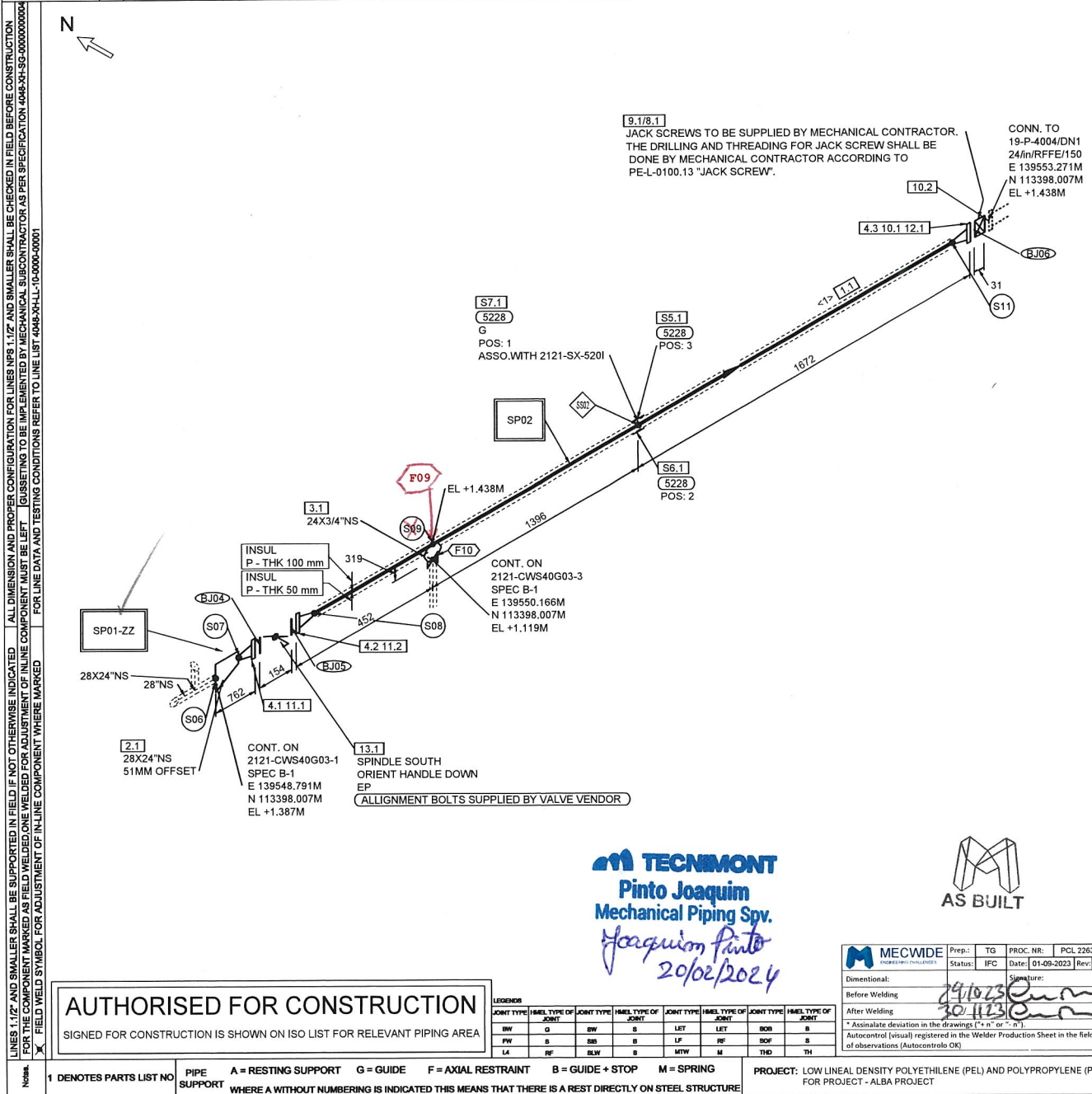
REVISION				FLUID CODE: CWS				LINE NO. 24"-CWS-40G03-B-1 (P)				P&ID No.			
REV	DATE	DESCRIPTION		PIPING MATERIAL CLASS	INSULATION	WELD CLASS	HEAT TREATMENT	PAINTING CODE							
00	01-09-2023	ISSUED FOR CONSTRUCTION	TG	MW	TM										
			DRAWN UP	CHKD UP	APP'D	B-1	P / 100	E	N	1		19-A-19-000-1-01-00001 sheet 37			

IDENTIFICATION CODE				PIPE ISOMETRIC			
Job	EIC	Area	N	PLANT: SINES INDUSTRIAL COMPLEX	CLIENT REF: REPOL POLYMEROS	UNIT	REV 00
4274	XHDL	2121	CWS40G03				

BILL OF MATERIALS				
PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.
1	PIPE - A106-B BE SMLS T01AC03V02 S-STD <PIPAD10B124STD> (L-7906)	24	I117907	3.3 M
2	ECCENTRIC REDUCER ASME B16.9 A234-WPB BE WELD C22DC04V02 S-STD S-STD <ERE20WF328152615> (L-7959-W)	28X24	I425714	1
3	REDUCING SOCKET MSS-SP-97 3000# A105N BE SWE - R13DNC44V101 NREQD <SOKA300LB02611> (L-343)	24X3/4	I1651367	1
4	WN FLANGE ASME B16.5 150# A105N RFFE BE 125 - 250 AARH F01CDC44BV05 S-STD <WNFA300R1524STD> (L-149)	24	I4067800	3
5	ADJUSTABLE DOUBLE PLATE-P70_500	24	5228	1
6	SLIDING TEFLON PLATE-P69A-130mm	24	5228	1
7	WELDED GUIDE-C401 H = 150 L = 300	24	5228	1
8	MISCELLANEOUS COMPONENTS			
9	SPACER RING ASME B16.48 150# A516-70 NORM. FFTBE 125 - 250 AARH SUPPL. REQ. S5 ASME B16.5 D0501DC65004 <SPRAS10F1A26> (L-SPR19)	24	I5393981	1

FABRICATION MATERIALS				
PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.
9	BLIND DISC ASME B16.48 150# A516-70 NORM. FFTBE 125 - 250 AARH SUPPL. REQ. S5 ASME B16.5 D0401DC65004 NREQD <BLIA510F1A26> (L-BLI19)	24	I5393957	1
10	FLAT RING GASKET ASME B16.21 150# RFTBE NA/ARAMIDIC/NBR ASME B16.5 S02HDP2GR01 <NMGQ009R1FC24> (L-NMG11)	24	I1169044	2
11	STUD BOLTS&NUTS ASME B18.31/2 B18.2.2 A193-B7/A194-2H INCH SIZE I01OB0301 <SB2R51G11/463/4> - 2 NUTS PER BOLT - 175 mm Length	1.1/4	I53438258	40
12	STUD BOLTS&NUTS ASME B18.31/2 B18.2.2 A193-B7/A194-2H INCH SIZE I01OB0301 <SB2R51G11/481/4> - 2 NUTS PER BOLT - 210 mm Length	1.1/4	I53438265	20
13	BUTTERFLY LUG VALVE API 609 150# EPDM LIN A216-WCB RFTBCSE DISC-CF8M , SHAFT-316 FL API 609 GE ASME B16.5 V33DC355B0 NREQD <N/A> (N/A)	24	I64945673	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>	3211	24"	S06	S	28"	BW	BJ04	24"	1.1/4"	175
			S07	S	24"	BW	BJ05	24"	1.1/4"	175
			S08	S	24"	BW	BJ06	24"	1.1/4"	210
			S09 F09	F	3/4"	OL				
			F10	F	3/4"	SW				
			SS02	S	24"	FT				
			S11	S	24"	BW				



TECNIMONT
Pinto Joaquim
Mechanical Piping Spv.
Joaquim Pinto
20/02/2024

AS BUILT

MECOWIDE				PROC. NR: PCL 22635			
Dimensional:	Status:	IFC	Date:	01-09-2023	Rev:	00	
Before Welding							
After Welding							

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
BW	G	BW	S	LET	LET	BOB	S	BOB	S
FW	S	FW	S	LP	LP	BOF	S	BOF	S
LA	RF	LA	RF	MTW	MTW	THD	TH	THD	TH

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