






Sheet 01/01

2121-VA40U07-2-SP03;2121-VA40U07-2-SP02;2121-VA40U05-2-SP03;2121-VA40U05-2-SP02;2121-VA40R01-2-SP04;2121-VA40R01-2-SP03;1211-VA00020-1-SP01;1211-VA00017-1-SP01;1211-VA00015-1-SP01;1211-VA00014-1-SP01;1211-VA00013-1-SP01;2121-VA00037-1-SP01;2121-VA00025-1-SP01;2121-VA00033-1-SP01;2121-VA00032-1-SP01;2121-VA00030-1-SP01;2121-VA49A08-2-SP03;2121-VA49A08-2-SP02;2121-VA49A01-2-SP02;2121-VA40N01-2-SP03;2121-VA40N01-2-SP02;2121-VA49A07-2-SP03;2121-VA49A07-2-SP02;2121-VA00027-1-SP02;2121-VA00027-1-SP01;2121-VA00026-1-SP02;2121-VA00026-1-SP01;1111-OG53001-1-SP01

[illegible]

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"


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	19/09/23	F. ALMEIDA			
CONTRACTOR	19/09/23	Luís Garcia			
COMPANY					
(Free)					

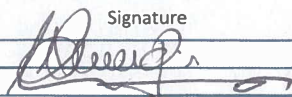
 Tecnimont S.p.A.	 REPSOL REPSOL POLIMEROS SA	4274_CONST 4274-ALBA PROJECT-PP AND PEL PLANTS	
MOD-ITP-XL_220 Rev.1		RELEASE OF SPOOLS FROM WORKSHOP	Report n° IP-WSR-P-310-000005_MOD-ITP-XL_220
		RFI Nr.:	Date :
Unit -			
Plant Area -			
Isometric Number			
Inspection Package Number IP-WSR-P-310-000005 - IP Spool Release From Workshop			

Sheet 01/01

The Present Inspection Package contains the following Elements:

2121-VA40U07-2-SP03;2121-VA40U07-2-SP02;2121-VA40U05-2-SP03;2121-VA40U05-2-SP02;2121-VA40R01-2-S
P04;2121-VA40R01-2-SP03;1211-VA00020-1-SP01;1211-VA00017-1-SP01;1211-VA00015-1-SP01;1211-VA00014-1
-SP01;1211-VA00013-1-SP01;2121-VA00037-1-SP01;2121-VA00025-1-SP01;2121-VA00033-1-SP01;2121-VA00032
-1-SP01;2121-VA00030-1-SP01;2121-VA49A08-2-SP03;2121-VA49A08-2-SP02;2121-VA49A01-2-SP02;2121-VA40
N01-2-SP03;2121-VA40N01-2-SP02;2121-VA49A07-2-SP03;2121-VA49A07-2-SP02;2121-VA00027-1-SP02;2121-V
A00027-1-SP01;2121-VA00026-1-SP02;2121-VA00026-1-SP01;1111-OG53001-1-SP01

 **TECNIMONT**
JOAQUIM PINTO
PIPING SUP.
Joaoquin Pinto

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	19/09/2023	F. Almeida			
CONTRACTOR	19/09/2023	Luis Gauer			
COMPANY					
(Free)					

ISO Summary List

22635 / 1255

Page 1

Client **TECNIMONT/REPSOL**

Job # **22635**

% RT/UT

Local **Portugal**

Project **4274 ALBA-I007 Piping Fabrication**

% PT/MT

ISO # **2121-VA40U05-2** ✓

Revision **00**

Priority **6**

Piping Size/Class **3-1C2**


PED Category **Art 4.3**

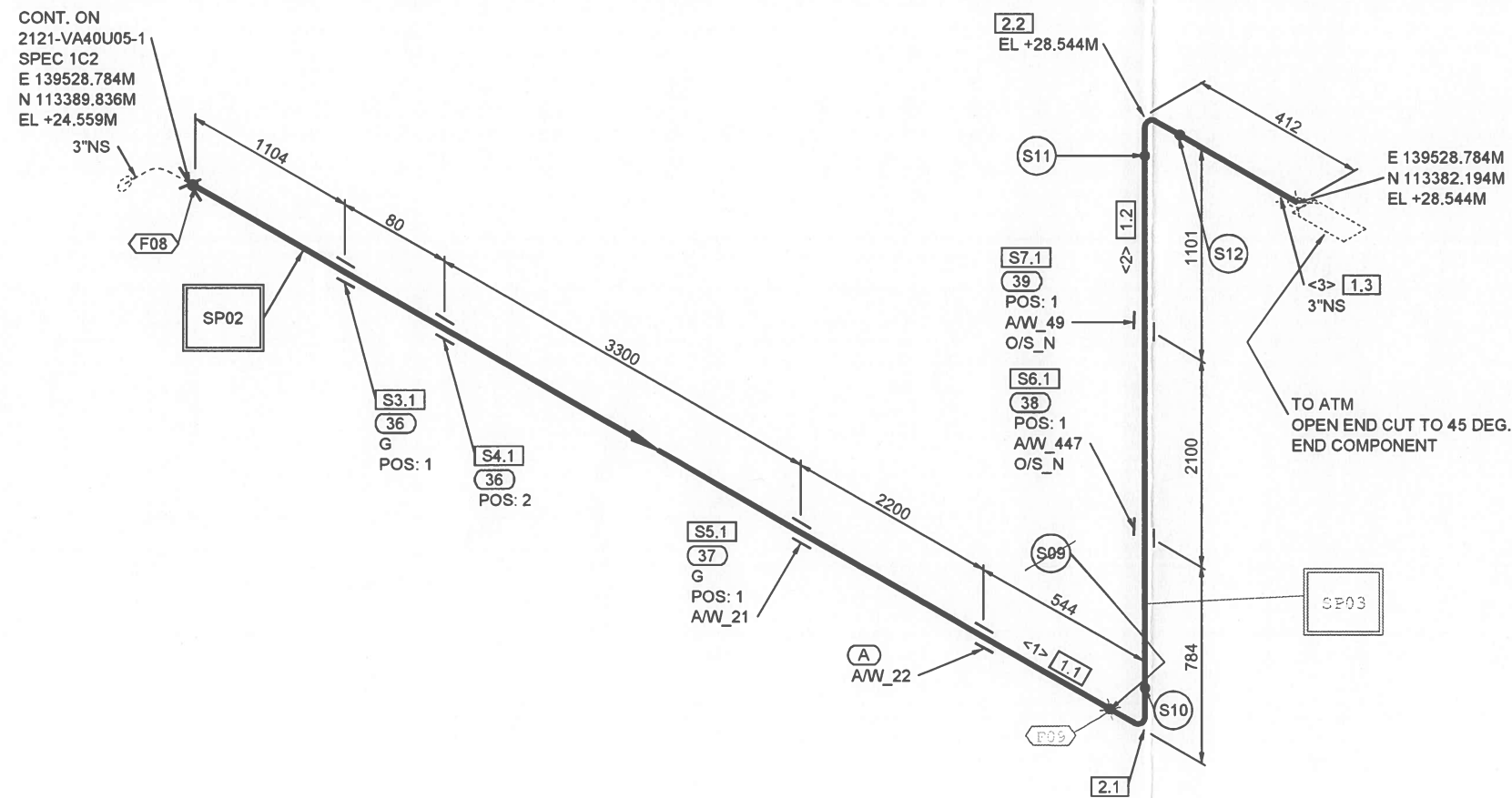
Assessment Inspection/Results

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	Repair 1	Repair 2
01	03	S12	BW 3" 90 LR ELBOW ASME B16.9 A234-WPB BE S	✓ 228	215148 ✓	CE23002054_3.1.01	5-Varela ✓	MW.20_BW	22/08/2023	VT-I-008							
			3" PIPE - A106-B BE SMLS	✓ 17	23211709 ✓	23310546	PVX1312824	✓	S46 ✓	✓							
02	03	S11	BW 3" PIPE - A106-B BE SMLS	✓ 17	23211709 ✓	23310546	5-Varela ✓	MW.20_BW	22/08/2023	VT-I-008		RT: RT-I-071-A ✓					
			3" 90 LR ELBOW ASME B16.9 A234-WPB BE S	✓ 228	215148 ✓	CE23002054_3.1.01	PVX1312824	✓	S46 ✓	✓							
03	03	S10	BW 3" 90 LR ELBOW ASME B16.9 A234-WPB BE S	✓ 228	215148 ✓	CE23002054_3.1.01	5-Varela ✓	MW.20_BW	22/08/2023	VT-I-008							
			3" PIPE - A106-B BE SMLS	✓ 17	23211709 ✓	23310546	PVX1312824	✓	S46 ✓	✓							
04	02	F09	BW 3" PIPE - A106-B BE SMLS	✓ 17	23211709 ✓	23310546											
			3" 90 LR ELBOW ASME B16.9 A234-WPB BE S	✓ 228	215148 ✓	CE23002054_3.1.01											
05	02	F08	BW 3" 90 LR ELBOW ASME B16.9 A234-WPB BE S														
			3" PIPE - A106-B BE SMLS	✓ 17	23211709 ✓	23310546											

Notes	Remarks	APPROVED QC	APPROVED by Client	APPROVED by 3rd party or AI
BW-Butt Weld; FW-Fillet Weld; LW-Lap Weld; SW-Socket Weld; TBW-Tee Butt Weld		Name: Francisco A/made	Name: D. Katsirelos	Name:
PT-Penetrant Test; MT-Magnetic Test; RT-Radiographic Test		Date: 19/09/23	Date: 19/09/23	Date:
UT-Ultrasonic Test; PMI-Positive Material Identification		Sign: [Signature]	Sign: [Signature]	Sign:
HT-Hardness Test; PN-Pneumatic Test; FT-Ferrites Test				

						LINE DATA					
						FLUID CODE: VA			LINE NO. 3"-VA-40U05-1C2		
						PIPING	INSULATION	WELD	HEAT	PAINING	P&ID No.
						MATERIAL CLASS		CLASS	TREATMENT	CODE	
00	10-08-2023	ISSUED FOR CONSTRUCTION		TG	MW	TM					
REV	DATE	REVISION DESCRIPTION		DRAWN UP	CHKD UP	APP'D	1C2	N / 0	E	N	1
19-A-19-000-1-01-00001 sheet 48											

 Tecnimont			PIPING ISOMETRIC		IDENTIFICATION CODE					
PLANT: SINES INDUSTRIAL COMPLEX			CLIENT REF: REPSOL POLIMEROS		Job	EICI	T	Area	N	
					4274	XHDL	2121	VA40U05		
					UNIT	19		SHEET	2	REV
REFERENCES	PIPING ASSEMBLY DRAWING	E C T N		PIPING SUPPORT SPECIFICATION	XH-SL-00000002	PIPING STANDARD SUPPORT SUMMARY			E C T N	
		19-L-19-000-2-00-86 sheet 6							XH-LP-00000001	
	PIPING ISOMETRIC LIST	E C T N		PIPING TYPICAL INSTALLATIONS	XH-SL-00000002	WELDING SPECIFICATION			E C T N	
		XH-LD-21210001							XH-SW-00000001	



BILL OF MATERIALS	
FABRICATION MATERIALS	

PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.	HOLD
1	<u>PIPE</u> PIPE - A106-B BE SMLS T01AC03V02 S-STD <PIPA010B13STD> (L-7806).	3	I117921	11.2 M	
2	<u>FITTINGS</u> 90 LR ELBOW ASME B16.9 A234-WPB BE SMLS C01DC04V01 S-STD <90LA200F33STD> (L-7955).	3	I128599	2	

ERECTION MATERIALS					
PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.	HOLD
	<u>SUPPORTS</u>				
3	STANDARD GUIDE FOR NOT INS. PIPING-N1G1	3	36	1	
4	VERT.TRESTLES WELDED TO STR TR31 L80X80X10	3	36	1	
5	STANDARD GUIDE FOR NOT INS. PIPING-N1G1	3	37	1	
6	U BOLT (FOR GUIDE)-P02D	3	38	1	
7	U BOLT (FOR GUIDE)-P02D	3	39	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>	7112	3"	F08	F	3"	BW				
<2>	3753	3"	S09 F09	S F	3"	BW				
<3>	296	3"	S10	S	3"	BW				
			S11	S	3"	BW				
			S12	S	3"	BW				
							INCH METER			
							PIPE NS (IN)		CL LENGTH (M)	
							3		11.6	
ISOMETRIC NO. 4274-SP-XH-DL-2121-VA40U05-2-IS00										SPOOLING REV NO. 00

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	SDB	B
FW	S	SIB	B	LF	RF	SDF	S
LA	RE	SLW	S	MTW	M	THD	TH

TECNIMONT
JOAQUIM PINTO
PIPING SUP
Joaquim Pinto
AS BUILT

 MECWIDE	Prep:	<div> <div> TG </div> </div>	PROC. NR:	<div> <div>PCL 22635</div> </div>
	Status:	<div> <div>IFC</div> </div>	Date:	<div> <div>10-08-2023</div> </div>
Dimensional:			Signature:	
Before Welding				
After Welding				
* Assinalate deviation in the drawings ("n" or "n").				
Autocontrol (visual) registered in the Welder Production Sheet in the field of observations (Autocontrol OK)				

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 (PE) AND POLYPROPYLENE (PP)
FOR PROJECT - ALBA PROJECT**

ISOMETRIC NO. 4274-SP-XH-DL-2121-VA40U05-2-IS00	SPOOLING REV NO. 00
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