

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]

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 Pipina 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"


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	Luis Garcia			
COMPANY					
(Free)					



 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-310-000005_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


JOAQUIM PINTO
PIPING SUP.
Joachim 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 Gouveia			
COMPANY					
(Free)					

ISO Summary List

22635 / 1245
Page 1

Client **TECNIMONT/REPSOL**

Job # **22635**

% RT/UT

Local **Portugal**

Project **4274 ALBA-I007 Piping Fabrication**

% PT/MT

ISO # **2121-VA00037-1**

Revision **00**

Priority **6**

Piping Size/Class **4-B-1**

PED Category **NA**

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	01	S03	BW	4" 90 LR ELBOW ASME B16.9 A234-WPB BE S	✓ 341	17357	CE23001997_3.1.01	5-Varela	MW.20_BW	17/08/2023	VT-I-005						
			4" PIPE - A106-B BE SMLS	✓ 19	23211707	23310548	PVX1312824		S71								
02	01	S02	BW	4" PIPE - A106-B BE SMLS	✓ 19	23211707	23310548	5-Varela	MW.20_BW	17/08/2023	VT-I-005	RT: RT-I-058-A					
			4" 90 LR ELBOW ASME B16.9 A234-WPB BE S	✓ 341	17357	CE23001997_3.1.01	PVX1312824		S71								
03	01	S01	BW	4x4" WN FLANGE ASME B16.5 150# A105N RF	✓ 36	10EE23	224878	5-Varela	MW.20_BW	17/08/2023	VT-I-005						
			4" PIPE - A106-B BE SMLS	✓ 19	23211707	23310548	PVX1312824		S71								

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: *Ficheiro*

Date: *19/09/23*

Sign: *[Signature]*

APPROVED by Client

Name: *b. katsivelos*

Date: *19/09/23*

Sign: *[Signature]*

APPROVED by 3rd party or AI

Name:

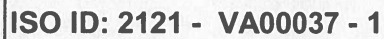
Date:

Sign:



PUNCH LIST

SHEET	DOC.CLASS	ISSUE
1 / 1	1	01



NO COMMENTS

TECNIMONT
L. Gomes NWI R W

TECNIMONT
JOAQUIM PINTO
PIPING SUP.
Joaquim Pinto

NOTES AND REMARKS

(Free)



LINE DATA									
FLUID CODE: VA					LINE NO. 4"-VA-00037-B-1				
PIPING MATERIAL CLASS		INSULATION	WELD CLASS	HEAT TREATMENT	PAINTING CODE	P&ID No.			
B-1		N / 0	E	N	1	45-A-45-000-1-01-00001 Sheet 4			
00	11-08-2023	ISSUED FOR CONSTRUCTION		TG	MW	TM			
REV	DATE	REVISION DESCRIPTION		DRAWN UP	CHKD UP	APP'D			



IDENTIFICATION CODE			
Job	EIC	T	Area
4274	XHDL	2121	VA00037
UNIT	45	SHEET	1 REV 00
PLANT: SINES INDUSTRIAL COMPLEX			
CLIENT REF: REPSOL POLYMEROS			
PIPING ISOMETRIC			
REFERENCES			
PIPING ASSEMBLY DRAWING		PIPING SUPPORT SPECIFICATION	
19-L-19-000-2-00-88192 sheet 2		XH-SG-00000002	
PIPING ISOMETRIC LIST		PIPING STANDARD SUPPORT SUMMARY	
XH-LD-21210001		XH-LP-00000001	
PIPING TYPICAL INSTALLATIONS		WELDING SPECIFICATION	
XH-SL-00000002		XH-SW-00000001	

BILL OF MATERIALS

FABRICATION MATERIALS

PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.	HOLD
1	PIPE PIPE - A106-B BE SMLS T01AC03V02 S-STD <PIPA010B14STD> (L-7806)	4	I117953	6.9 M	
2	FITTINGS 90 LR ELBOW ASME B16.9 A234-WPB BE SMLS C01DC04V01 S-STD <90LA200F34STD> (L-7955)	4	I128635	1	
3	FLANGES WN FLANGE ASME B16.5 150# A105N RFFE BE 125 - 250 AARH F01CDC44BV05 S-STD <WNFA300R154STD> (L-149)	4	I5355796	1	

ERECTION MATERIALS

PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.	HOLD
4	GASKETS FLAT RING GASKET ASME B16.21 150# RFTBE NA/ARAMIDIC/NBR ASME B16.5 G02HDP2QR01 <NMGQ009R1FC4> (L-NMG11)	4	I1169033	1	
5	BOLTS STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE I010B0301 <SB2R51G5/831/2> - 2 NUTS PER BOLT - 90 mm Length	5/8	I53437440	8	
6	SUPPORTS STOP HORIZ VERT FOR NOT INS. PIPING-N1F1	4	627	1	
7	U BOLT (FOR GUIDE)-P02D	4	627	1	
8	WELDED BRACKET TO STRUCT. SB01 L100X100X10	4	627	1	

CUT 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>	6583	4"	S01	S	4"	BW	BJ01	4"	5/8"	90
<2>	296	4"	S02	S	4"	BW				
			S03	S	4"	BW				

WELD LIST

BOLT LIST

INCH METER

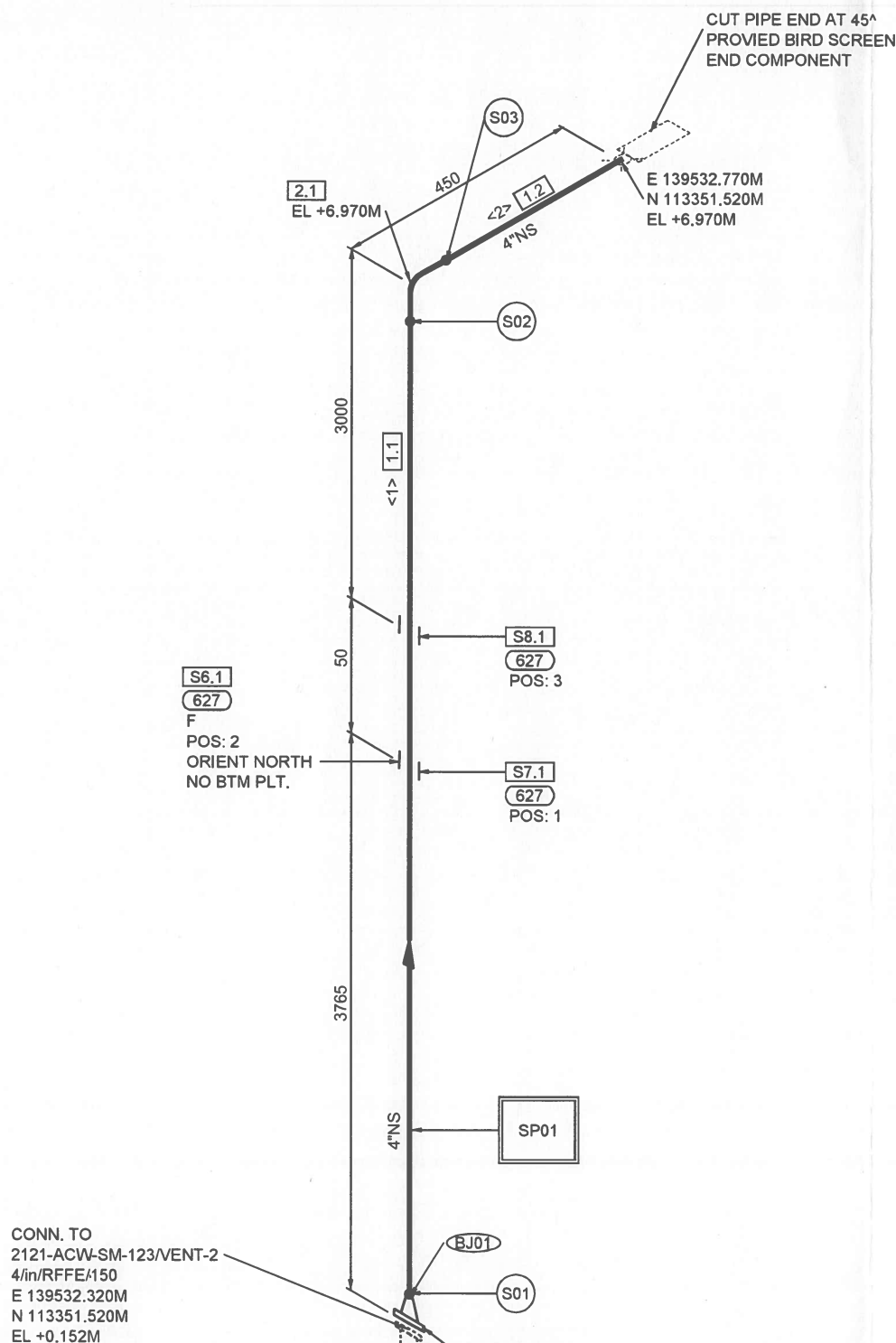
PIPE NS (IN)	CL LENGTH (M)
4	7.3

ISOMETRIC NO. 4274-SP-XH-DL-2121-VA00037-1-IS00

SPOOLING REV NO. 00

SHEET NO. 1 OF 1

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 FOR LINE DATA AND TESTING CONDITIONS REFER TO LINE LIST 4048-XH-L-10-0000-00001



AUTHORISED FOR CONSTRUCTION

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

LEGENDS	JOINT TYPE	HME TYPE OF JOINT	JOINT TYPE	HME TYPE OF JOINT	JOINT TYPE	HME TYPE OF JOINT	JOINT TYPE	HME TYPE OF JOINT
BW	G	SW	S	LET	LET	SOB	B	
FW	S	SIB	B	LF	RF	SOF	S	
L4	RF	SLW	S	MTW	M	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

TECNIMONT
JOAQUIM PINTO
PIPING SUP
Joaoquim Pinto
AS BUILT

M MECWIDE	Prep.: TG	PROC. NR: PCL 22635
Dimensional:	Status: IFC	Date: 11-08-2023 Rev: 00
Before Welding	Signature: 16/08/2023	
After Welding	Signature: 17/08/2023	
* Assinalate deviation in the drawings ("+" or "-").		
Autocontrol (visual) registered in the Welder Production Sheet in the field of observations (Autocontrolo OK)		