


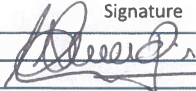

 Tecnimont S.p.A.	 REPSOL REPSOL POLIMEROS SA	4274_CONST 4274-ALBA PROJECT-PP AND PEL PLANTS	
MOD-ITP-XL_220 Rev.1		RELEASE OF SPOOLS FROM WORKSHOP	
		Report n° IP-WSR-P-310-000005_MOD-ITP-XL_220	
		RFI Nr.:	Date :
Unit -			
Plant Area -			
Isometric Number			
Inspection Package Number IP-WSR-P-310-000005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

 **TECNIMONT**
 JOAQUIM PINTO
 PIPING SUP
 Joaquim 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 / 1242

Page 1

Client **TECNIMONT/REPSOL**

Job # **22635**

% RT/UT

Local **Portugal**

Project **4274 ALBA-I007 Piping Fabrication**

% PT/MT




ISO # **2121-VA00030-1**

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	S03	BW	4" 90 LR ELBOW ASME B16.9 A234-WPB BE S 4" PIPE - A106-B BE SMLS	341 19	17357 23211707	CE23001997.3.1.01 23310548	5 Varela PVX1312824	MW.20_BW	18/08/2023 S138	VT-I-006 ✓							
02	S02	BW	4" PIPE - A106-B BE SMLS 4" 90 LR ELBOW ASME B16.9 A234-WPB BE S	19 341	23211707 17357	23310548 CE23001997.3.1.01	5 Varela PVX1312824	MW.20_BW	18/08/2023 S138	VT-I-006 ✓		RT: RT-I-089-A ✓					
03	S01	BW	4x4" WN FLANGE ASME B16.5 150# A105N RF 4" PIPE - A106-B BE SMLS	36 19	10EE23 23211707	224878 23310548	5 Varela PVX1312824	MW.20_BW	18/08/2023 S138	VT-I-006 ✓							
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 				Name: B. 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: 				Sign: 				Sign:	
HT-Hardness Test; PN-Pneumatic Test; FT-Ferrites Test								QC									

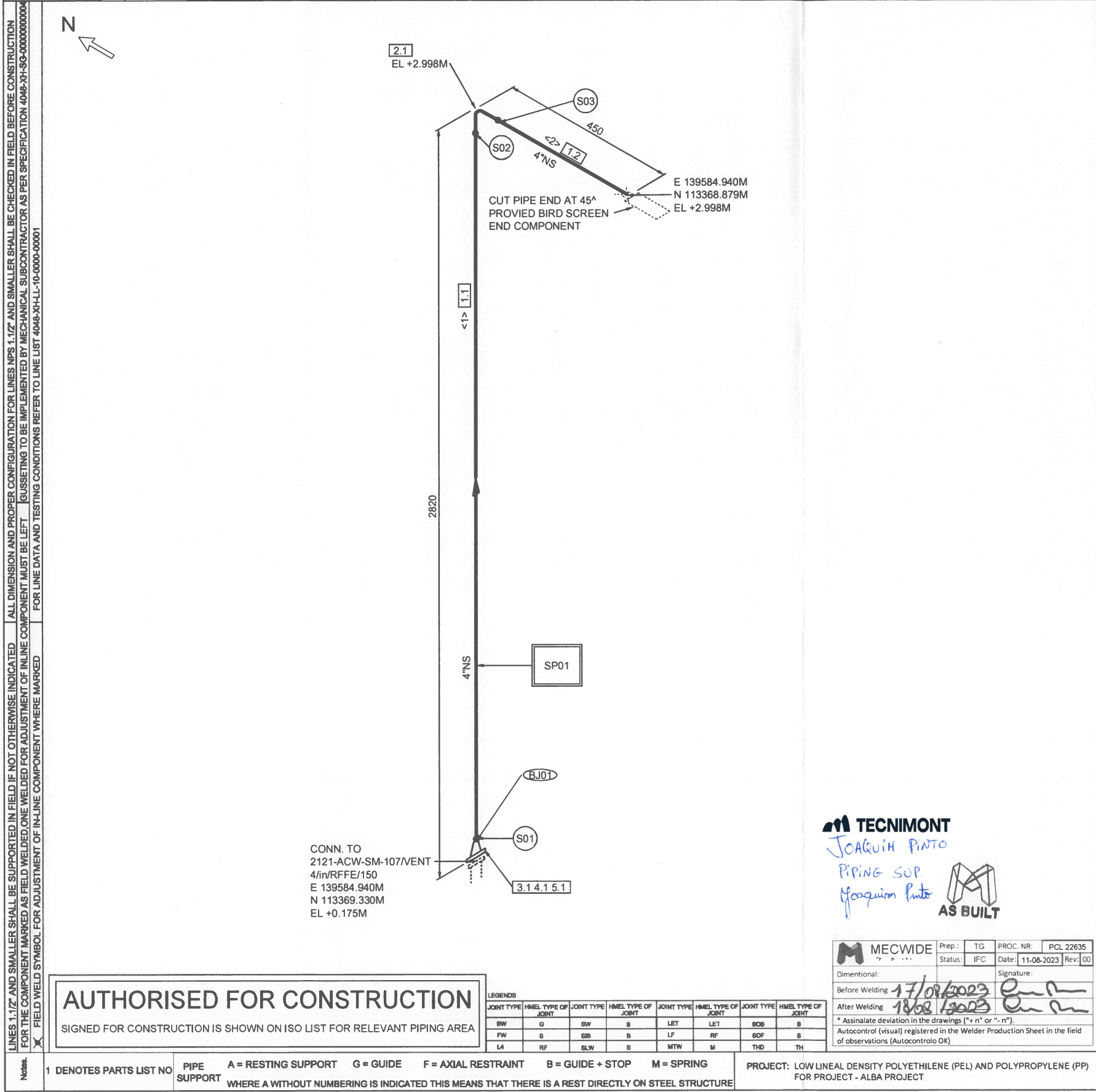
M MECWIDE
PENGADAAN PONDOK KAMPUNG & BUNGLO
A **AMPER**
SOLUSI **AMPER**
Servis Industri

[illegible]

	DATE (dd-Mmm-YYYY)	NAME	SIGNATURE
SUBCONTRACTOR			
CONTRACTOR			
COMPANY			
(Free)			


		LINE DATA									
		FLUID CODE: VA					LINE NO. 4"-VA-00030-B-1				
00	11-08-2023	ISSUED FOR CONSTRUCTION			TG	MW	TM	PIPING MATERIAL CLASS	INSULATION	WELD CLASS	HEAT TREATMENT
REV	DATE	REVISION DESCRIPTION			DRAWN UP	CHKD UP	APP'D	B-1	N / O	E	N

		PIPING ISOMETRIC		IDENTIFICATION CODE			
PLANT: SINES INDUSTRIAL COMPLEX		CLIENT REF: REPSOL POLYMEROS		Job	EIC	Area	N
				4274	XHDL	2121	VA00030
				UNIT	45	SHEET	1 REV 00
REFERENCES		PIPING ASSEMBLY / DRAWING	ECT N	PIPING SUPPORT SPECIFICATION	ECT N	PIPING STANDARD SUPPORT SUMMARY	ECT N
		19-L-19-000-2-00-86195 sheet 1		XH-SG-00000002		XH-LP-00000001	
		PIPING ISOMETRIC LIST	ECT N	PIPING TYPICAL INSTALLATIONS	ECT N	WELDING SPECIFICATION	ECT N
		XH-LD-21210001		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 <PPA010B14STD> (L-7806)	4	I117953	2.9 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 I01OB0301 <SB2R51G5/B31/2> - 2 NUTS PER BOLT - 90 mm Length	5/8	I53437440	8
CUT LIST				
PIECE NO	LENGTH (MM)	SIZE (IN)	WELD NO	WELD CAT.
<1>	2588	4"	S01	S
<2>	296	4"	S02	S
			S03	S
WELD LIST				
WELD NO	WELD CAT.	SIZE (IN)	WELD TYPE	
	S	4"	BW	
	S	4"	BW	
	S	4"	BW	
BOLT LIST				
BOLT NO	FLANGE SIZE(IN)	SIZE (IN)	LENGTH (MM)	
BJ01	4"	5/8"	90	
INCH METER				
PIPE NS (IN)		CL LENGTH (M)		
4		3.3		
ISOMETRIC NO. 4274-SP-XH-DL-2121-VA00030-1-S00				SPOOLING REV NO. 00

TECNIMONT
JOAQUIM PINTO
PIPING SUP.
Joaoquim Pinto
AS BUILT

	MECOWIDE T E C N I C A S	Prep.: TG	PROC. NR	PCL 22635
		Status: IFC	Date: 11-08-2023	Rev: 00
Dimensional:		Signature:		
Before Welding		17/08/2023		
After Welding		18/08/2023		
* Assinalate deviation in the drawings ("+" n" or "-" n").				
Autocontrol (visual) registered in the Welder Production Sheet in the field of observations (Autocontrolo OK)				

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

JOINT TYPE	HMEL TYPE OF JOINT	JOINT TYPE	HMEL TYPE OF JOINT	JOINT TYPE	HMEL TYPE OF JOINT	JOINT TYPE	HMEL TYPE OF JOINT
BW	G	SW	S	LET	LET	SOB	S
PW	S	SRB	B	LF	RF	SOB	S
LA	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

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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