

 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	 Pinto Joaquim Mechanical Piping Spv. Joaquim Pinto	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			
SUBCONTRACTOR	Date [DD-MMM-YYYY]	Name	Signature
CONTRACTOR	20/02/2024	Patricia Teixeira	Patricia Teixeira
COMPANY			
(Free)			



ISO Summary List

22635 / 1628

Page 1

Client **TECNIMONT/REPSOL**
Local **Portugal**

Job # **22635**
Project **4274 ALBA-I007 Piping Fabrication**

% RT/UT
% PT/MT

ISO # **2121-CWS40G03-1**

Revision **01**

Priority **6**

Piping Size/Class **28-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
01	S05	BW	28" PIPE - A672-C60 BE EFW CL.22 ✓ 28x24" REDUCING TEE ASME B16.9 A234-WPB ✓	42 617	VK641479 ✓ 33258 ✓	DSC-23-080-01 CE23004213_3.1_01	3:Eletrodo - SBX1211788 17:Vareta - PVX4010501	MW.21_BW	29/11/2023 S46	VT-I-080							
03	S02	OL	28" PIPE - A672-C60 BE EFW CL.22 ✓ 28x1.5" REDUCING SOCKOLET MSS SP-97 300 ✓	42 425	VK641479 ✓ 2171207 ✓	DSC-23-080-01 CE/2022/1596	17:Vareta PVX4010501	MW.20_SBR	04/12/2023 S46	VT-I-082							
05	S01	BW	28x28" WN FLANGE ASME B16.47-B 150# A10 ✓ 28" PIPE - A672-C60 BE EFW CL.22 ✓	39 42	31HC2 ✓ VK641479 ✓	225263 DSC-23-080-01	3:Eletrodo - SBX1211788 17:Vareta - PVX4010501	MW.21_BW	29/11/2023 S46	VT-I-080	MT: MT-I-050-A						

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: *19/02/2024*
Sign: *Patricia Teixeira*

APPROVED by Client

Name: **TECNIMONT**
Date: *L. Gomes*
Sign: *L. Gomes*

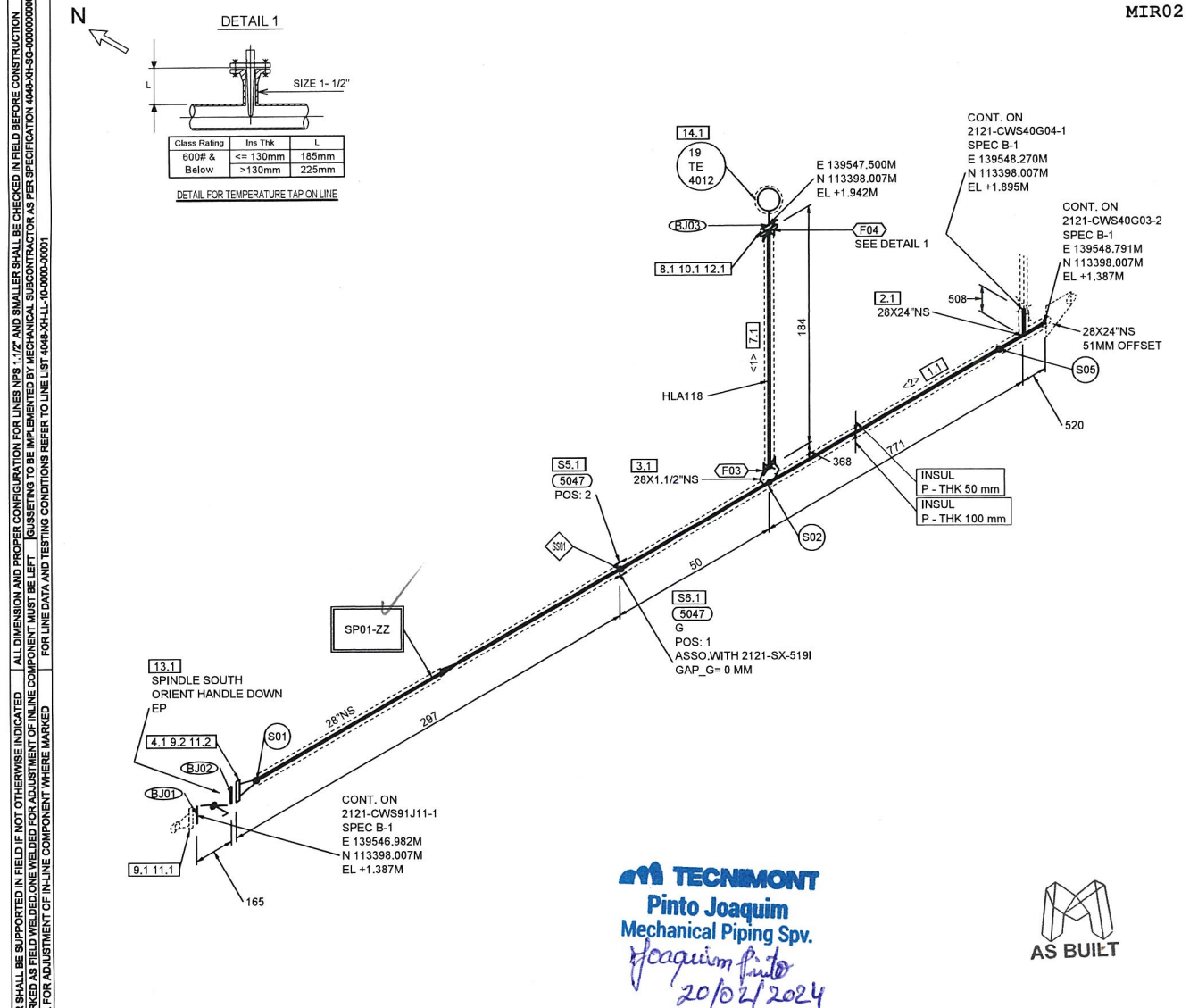
APPROVED by 3rd party or AI

Name: *JOAQUIM*
Date: *20/02/2024*
Sign: *JOAQUIM*

ALL DIMENSION AND PROPER CONFIGURATION FOR LINES 1/2" AND SMALLER SHALL BE CHECKED IN FIELD BEFORE CONSTRUCTION
LINES 1/2" AND SMALLER SHALL BE SUPPORTED IN FIELD IF NOT OTHERWISE INDICATED
FOR THE COMPONENT MARKED AS FIELD WELDED, ONE WELDED FOR ADJUSTMENT OF IN-LINE COMPONENT MUST BE LEFT
FIELD WELD SYMBOL FOR ADJUSTMENT OF IN-LINE COMPONENT WHERE MARKED

REPSOL				LINE DATA			
FLUID CODE: CWS				LINE NO. 28"-CWS-40G03-B-1 (P)			
PIPING MATERIAL CLASS				WELD CLASS			
INSULATION				HEAT TREATMENT			
PAINTING CODE				P&ID No.			
B-1				P / 100			
E				N			
1				19-A-19-000-1-01-00001 sheet 37			
01	01-09-2023	ISSUED FOR CONSTRUCTION	TG	MW	TM		
REV	DATE	REVISION DESCRIPTION	DRAWN UP	CHKD UP	APP'D		

Tecnimont		PIPING ISOMETRIC		IDENTIFICATION CODE			
Job		Area		N			
4274		XHDL		CWS40G03			
UNIT		SHEET		1			
19		REV		01			
PIPING ISOMETRIC LIST		PIPING SUPPORT SPECIFICATION		PIPING STANDARD SUPPORT SUMMARY			
TGL-19-000-1-00-86199 sheet 1		XH-SG-00000002		XH-LP-000000001			
PIPING ISOMETRIC LIST		PIPING TYPICAL INSTALLATIONS		WELDING SPECIFICATION			
XH-DL-21210001		XH-SL-00000002		XH-SW-000000001			






BILL OF MATERIALS										
FABRICATION MATERIALS										
PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.	HOLD					
1	PIPE PIPE - A672-C60 BE EFW CL.22 T01AC24V44 S-STD <PIPA0C0B128STD> (L-9633)	28	I2210449	0.5 M						
2	FITTINGS REDUCING TEE ASME B16.9 A234-WPB BE WELD C32DC04V03 S-STD x <TRBA20WF328152615> (L-9917-W)	28X24	I620315	1						
3	REDUCING SOCKOLET MSS-SP-97 3000# A105N BE SWE - R13DNC44V101 NREQD <SOKA300LB02813> (L-343)	28X1.1/2	I3362511	1						
4	FLANGES WN FLANGE ASME B16.47-B 150# A105N RFFE BE 125 - 250 AARH F01MDC44B05 S-STD <WNFA300R1628STD> (L-8517)	28	I7846328							
5	SUPPORTS SLIDING TEFLON PLATE- P69A-130mm	28	5047	1						
6	WELDED GUIDE-C4G1 H = 150 L = 300	28	5047	1						
ERECTION MATERIALS										
PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.	HOLD					
7	PIPE PIPE - A106-B PE SMLS T01AC03Z02 S-XS <PIPA010A111/ZXS> (L-6679)	1.1/2	I132809	0.2 M						
8	FLANGES SW FLANGE ASME B16.5 150# A105N RFFE SWE 125 - 250 AARH F02CDC44B105 S-XS <SWFA300R1511/2XS> (L-295)	1.1/2	I5378345	1						
9	GASKETS FLAT RING GASKET ASME B16.21 150# RFTBE NA/ARAMIDIC/NBR ASME B16.47-B G02HDP2QR05 <NMGQ009R1FC28> (L-NMG11)	28	I1676991	2						
10	FLAT RING GASKET ASME B16.21 150# RFTBE NA/ARAMIDIC/NBR ASME B16.5 G02HDP2QR01 <NMGQ009R1FC11/2> (L-NMG11)	1.1/2	I1655204	1						
11	BOLTS STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE I010B0301 <SB2R51G3/453/4> - 2 NUTS PER BOLT - 145 mm Length	3/4	I53437472	80						
12	STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE I010B0301 <SB2R51G1/223/4> - 2 NUTS PER BOLT - 70 mm Length	1/2	I53437201	4						
13	VALVES /IN-LINE ITEMS BUTTERFLY FLGD VALVE API 609 150# EPDM LIN A216-WCB RFTBCSE DISC-CFBM - SHAFT-316 FL API 609 GE ASME B16.47-B V31IDC35S112 NREQD <N/A> (N/A)	28	I65019122	1						
14	INSTRUMENTS INSTRUMENT COMPONENT 19TE4012	1.1/2		1						
CUT LIST			WELD 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>	176	1.1/2"	S01	S	28"	BW	BJ01	28"	3/4"	145
<2>	497	28"	SS01	S	28"	FT	BJ02	28"	3/4"	145
			S02	S	1.1/2"	OL	BJ03	1.1/2"	1/2"	70
			F03	F	1.1/2"	SW				
			F04	F	1.1/2"	SW				
			S05	S	28"	BW				
INCH METER										
PIPE NS (IN)								CL LENGTH (M)		
28								3.2		
1.5								0.2		
ISOMETRIC NO. 4274-SP-XH-DL-2121-CWS40G03-1-IS01									SPOOLING REV NO. 01	

AUTHORISED FOR CONSTRUCTION

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

JOINT TYPE	WELD TYPE OF JOINT	JOINT TYPE	WELD TYPE OF JOINT	JOINT TYPE	WELD TYPE OF JOINT	JOINT TYPE	WELD TYPE OF JOINT	JOINT TYPE	WELD TYPE OF JOINT
BW	G	BW	B	LET	LET	BOB	B		
FW	S	DB	B	LF	RF	BOF	B		
LA	RF	BLW	B	MTW	M	THD	TH		

 MECOWIDE ENGINEERING CHALLENGES		Prep:	TG	PROC. NR:	PCL 22635
		Status:	IFC	Date:	01-09-2023
Dimensional:		Signature:			
Before Welding					
After Welding					
* Assimilate deviation in the drawings ("n" or "n" - "n")					
Autocontrol [visual] registered in the Welder Production Sheet in the field of observations (Autocontrolo 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 (PEL) AND POLYPROPYLENE (PP) FOR PROJECT - ALBA PROJECT