TECNIMONT Tecnimont S.p.A.	REPSOL REPSOL POLIMEROS SA	4274_CONST ALBA PROJECT–PP AND PEL PLANTS	

MOD-ITP-XL_220 Rev.1	**RELEASE OF SPOOLS FROM WORKSHOP**	Report n° **IP-WSR-P-310-000187_RFI3231_MOD-ITP-XL_220**	
		RFI Nr.:	Date :

Unit	-
Plant Area	-
Isometric Number	
Inspection Package Number	**IP-WSR-P-310-000187_RFI3231 - IP Spool Release From Workshop**

Sheet 01/01

The Present Inspection Package contains the following Elements:

1111-FW68C08-2-PIPE-03;1111-FW68C08-2-PIPE-01;2121-FW68W31-4-PIPE-01;2121-FW68W31-3-PIPE-06;2121-FW68W32-1-PIPE-01;2121-FW68W30-3-PIPE-01;2121-FW68W24-1-PIPE-03;2121-FW68W24-1-PIPE-01;2121-FW68W11-4-PIPE-01;2121-FW68W11-3-PIPE-06;1115-FW68C08-1-PIPE-05;1111-FW68C08-2-PIPE-06;1115-FW68K06-2-PIPE-04;2121-FW68W31-4-PIPE-03;2121-FW68W24-2-PIPE-07;2121-FW68W10-1-PIPE-03;2121-FW68W30-1-PIPE-01;2121-FW68W31-6-PIPE-05;2121-FW68W11-8-PIPE-06;2121-FW68W11-5-PIPE-01;2121-FW68W11-3-PIPE-01;2121-FW68W11-1-PIPE-03;1115-FW68C08-1-PIPE-01;1111-FW68C08-2-PIPE-09;1111-FW68K06-2-PIPE-06;1111-FW68K06-2-PIPE-03;2121-FW68W24-2-PIPE-04;2121-FW68W24-2-PIPE-03;2121-FW68S07-1-PIPE-02;2121-FW68S07-1-PIPE-01;2121-FW68W11-7-PIPE-09;2121-FW68W11-6-PIPE-06;2121-FW68W11-1-PIPE-15;2121-FW68W11-1-PIPE-11;1111-FW68C08-2-PIPE-02;1115-FW68K06-2-PIPE-05;2121-FW68W31-4-PIPE-02;2121-FW68W31-3-PIPE-07;2121-FW68W31-3-PIPE-05;2121-FW68W32-1-PIPE-02;2121-FW68W30-3-PIPE-02;2121-FW68W24-1-PIPE-04;2121-FW68W24-1-PIPE-02;2121-FW68W11-4-PIPE-05;2121-FW68W11-3-PIPE-10;1111-FW68C08-2-PIPE-04;1115-FW68K06-2-PIPE-02;2121-FW68W31-4-PIPE-05;2121-FW68W24-2-PIPE-05;2121-FW68W10-1-PIPE-01;2121-FW68W30-1-PIPE-04;2121-FW68W24-1-PIPE-05;2121-FW68W11-8-PIPE-04;2121-FW68W11-6-PIPE-01;2121-FW68W11-2-PIPE-01;2121-FW68W11-1-PIPE-01;1115-FW68C08-1-PIPE-03;1115-FW68C08-1-PIPE-02;1111-FW68C08-2-PIPE-08;1111-FW68K06-2-PIPE-05;1111-FW68K06-2-PIPE-04;2121-FW68W24-2-PIPE-02;2121-FW68W24-2-PIPE-01;2121-FW68S07-1-PIPE-05;2121-FW68S07-1-PIPE-03;2121-FW68W33-3-PIPE-02;2121-FW68W11-7-PIPE-05;2121-FW68W11-7-PIPE-01;2121-FW68W11-1-PIPE-07;2121-FW68W11-1-PIPE-06;1111-FW68C08-2-PIPE-07;1111-FW68C08-2-PIPE-05;2121-FW68W31-3-PIPE-01;2121-FW68W24-2-PIPE-06;2121-FW68W10-1-PIPE-02;2121-FW68W32-1-PIPE-03;2121-FW68W11-8-PIPE-05;2121-FW68W11-8-PIPE-01;2121-FW68W11-6-PIPE-05;2121-FW68W11-5-PIPE-05;2121-FW68W11-4-PIPE-06;1115-FW68K06-2-PIPE-03;1115-FW68K06-2-PIPE-01;1111-FW68K06-2-PIPE-01;2121-FW68W31-4-PIPE-04;2121-FW68W30-2-PIPE-01;2121-FW68W30-1-PIPE-02;2121-FW68W33-3-PIPE-01;2121-FW68W33-6-PIPE-01;2121-FW68W11-3-PIPE-05;2121-FW68W11-2-PIPE-05;2121-FW68W11-1-PIPE-02

Spool No.	Ready for destination to: P: Painting (1) W: Wrapping F: Field	Check List NDE Class	Visual Inspect	Traceability OK (2)	Pending NDE / PMI (Yes/No/NA)	PWHT / HARDNESS (Yes/No/NA)	Inside Cleaning (3) (Yes/No/NA)	Spool Identified (Yes/No/NA)

Ion Dragos Andrei
03.07.2024
On behalf of TCM

ZEGHEANU ADRIAN
03/07/2024
ON BEHALF OF TCM

LEGEND OF CHECK RESULT	☒ Checked & NOT Accepted	☑ Checked & Accepted	N.A. Not Applicable	Y / N Punch List Produced

	Date [DD-MMM-YYYY]	Name	Signature
SUBCONTRACTOR	03/07/2024	Flavia Simon	QC
CONTRACTOR			
COMPANY			
(Free)			

MECWIDE ENGINEERING CHALLENGES
GRUPOAMPER Nervión Industrial
TECNIMONT
REPSOL

ISO Summary List

22635 / 5964
Page 1

Client **TECNIMONT/REPSOL**	Job # **22635**		% RT/UT
Local **Portugal**	Project **4274 ALBA-I007 Piping Fabrication**		% PT/MT
ISO # **2121-FW68W30-2**	Revision **00**	Priority **2B**	
Piping Size/Class **3-B-13**	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	Extension 1	Extension 2
01	01	GJ06	GJ	3" GROOVED END 90 ELBOW MFTR 150# A536 3" PIPE - A53-B GALV PE SMLS	CERT. TCM	819090016	230371064 ✓			26/02/2024								
03	01	GJ08	GJ	3" PIPE - A53-B GALV PE SMLS 3" GROOVED END TEE MFTR 150# A536 GR. 6	CERT. TCM	819090016	230371064 ✓			26/02/2024								

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: Maria Timoteo	Name: ZEGHEDAN. A	Name:
PT-Penetrant Test; MT-Magnetic Test; RT-Radiographic Test		Date: 04/07/2024	Date: 04/07/2024	Date:
UT-Ultrasonic Test; PMI-Positive Material Identification HT-Hardness Test; PN-Pneumatic Test; FT-Ferrites Test		Sign: [signature] QC	Sign: [signature]	Sign:

TECNIMONT	Punch List **PUNCH LIST**	IDENTIFICATION CODE		
		SHEET 1 / 1	DOC.CLASS 1	ISSUE 01
MECWIDE ENGINEERING CHALLENGES ampar Nervión Industrial	**ISO ID: 2121 - FW68W30 - 2**			

No.	Field	Descripton	Date	Completed
		NO COMMENTS		

Ion Dragos Andrei
03.07.2024
On behalf of TCM

NOTES AND REMARKS

ZEGAEANU ADRIAN
03/07/2024
ON BEHALF OF TCM

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

This document is Tecnimont's property, and cannot be used by others for any purpose, without prior written consent

FC-5964

REPSOL

REV	DATE	REVISION DESCRIPTION	DRAWN UP	CHKD UP	APP'D
00	25-09-2023	ISSUED FOR CONSTRUCTION	TG	MW	TM

LINE DATA

FLUID CODE: FW — LINE NO. 3"-FW-68W30-B-13

PIPING MATERIAL CLASS	INSULATION	WELD CLASS	HEAT TREATMENT	PAINTING CODE	P&ID No.
B-13	N / 0	-	-	4	19-A-19-000-1-01-00001 sheet 124

Tecnimont — PIPING ISOMETRIC

PLANT: SINES INDUSTRIAL COMPLEX — CLIENT REF: REPSOL POLYMEROS

IDENTIFICATION CODE

Job	ECT	Area	N
4274	XHDL	2121	FW68W30

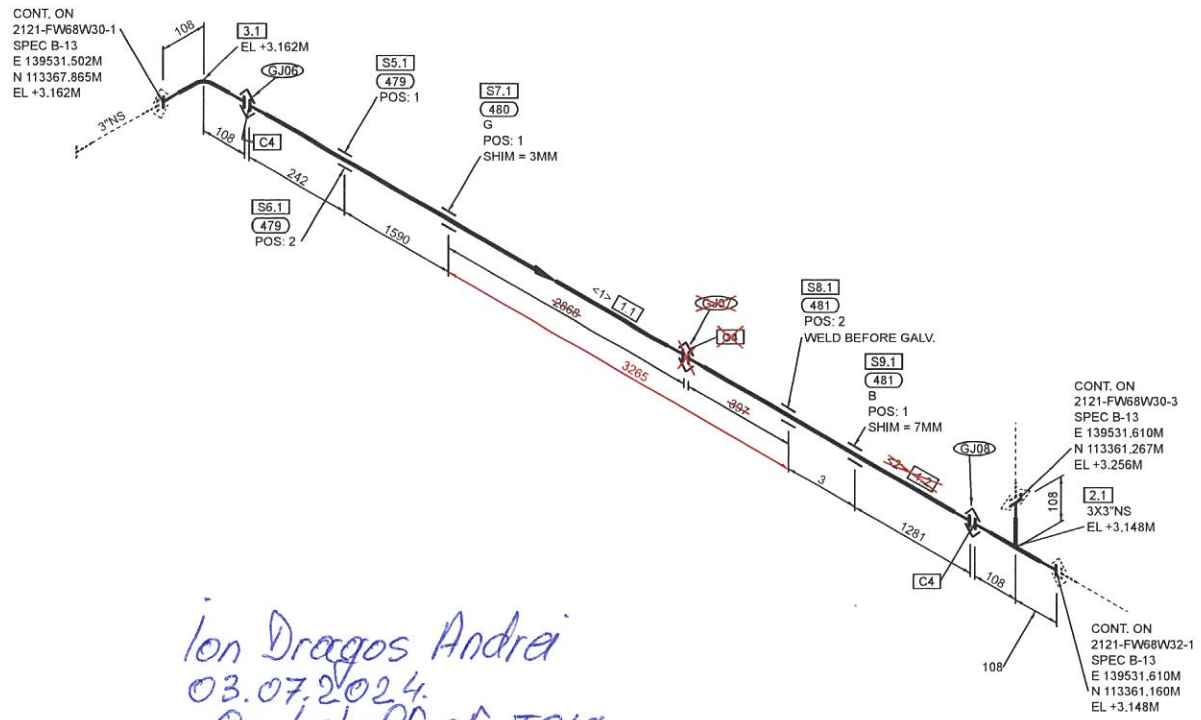
UNIT	SHEET	REV
19	2	00

REFERENCES

PIPING ASSEMBLY DRAWING	ECTN 19-L-19-000-2-00-86192 sheet 1	PIPING SUPPORT SPECIFICATION	ECTN XH-SG-00000002
PIPING ISOMETRIC LIST	ECTN XH-LD-21210001	PIPING TYPICAL INSTALLATIONS	ECTN XH-SL-00000002
PIPING STANDARD SUPPORT SUMMARY	ECTN XH-LP-00000001	WELDING SPECIFICATION	ECTN XH-SW-00000001

LINES 1.1/2" AND SMALLER SHALL BE SUPPORTED IN FIELD IF NOT OTHERWISE INDICATED — 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 INLINE COMPONENT MUST BE LEFT — SUSSETING TO BE IMPLEMENTED BY MECHANICAL SUBCONTRACTOR AS PER SPECIFICATION 4048-XH-SG-00000000004
X FIELD WELD SYMBOL FOR ADJUSTMENT OF IN-LINE COMPONENT WHERE MARKED — FOR LINE DATA AND TESTING CONDITIONS REFER TO LINE LIST 4048-XH-LL-10-0000-00001

This document is Technimont's property, and cannot be used by others for any purpose without prior written consent.



Ion Dragos Andrei
03.07.2024
On behalf of TCM

AS BUILT

MECWIDE	Prep.: TG	PROC. NR: PCL 22635
	Status: IFC	Date: 25-09-2023 Rev. 00
Dimentional:	Signature:	
Before Welding	25.2.24	
After Welding	27.2.24	

* 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

LEGENDS

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	LEI	SOB	B
FW	S	SIB	B	LF	RF	SOF	S
L4	RF	SLW	S	MTW	M	THD	TH

Notes:
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 POLYETHILENE (PEL) AND POLYPROPYLENE (PP) FOR PROJECT - ALBA PROJECT

BILL OF MATERIALS

FABRICATION MATERIALS

PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.	HOLD

ERECTION MATERIALS

PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.	HOLD
	PIPE				
1	PIPE - A53-B GALV PE SMLS T01AC11Z02 S-STD <PIPG010A13STD> (L-11).	3	I1179607	6.4 M	
	FITTINGS				
2	GROOVED END TEE MFTR 150# A536 GR. 65-45-12 GALV MGE MGE - R83ADA246602 NREQD <VT1I0107S15> (L-VT101).	3X3	I52836930	1	
3	GROOVED END 90 ELBOW MFTR 150# A536 GR. 65-45-12 GALV MGE MGE - R81ADA246602 NREQD <V9AI0107S15> (L-V9A01).	3	I52836902	1	
4	RIGID COUPLING MFTR 150# A536 GR. 65-45-12 GALV FGE FGE EPDM MANUFACTURER STD R80ADA24YY02 <VRCI01043S53> (L-VRC01)	3	I52837076	~~3~~ 2	
	SUPPORTS				
5	RESTING SHOE CLAMPED -C5A1 H = 100 L = 300	3	479	1	
6	VERTICAL STAKES WELDED TO STR. ST46 HEA100	3	479	1	
7	CLAMPED GUIDE-C5G1 H = 110 L = 300	3	480	1	
8	STOP PAD-P27C	3	481	1	
9	CLAMPED ANCHOR -C5B1 H = 100 L = 160	3	481	1	

CUT LIST

PIECE NO	LENGTH (MM)	SIZE (IN)
<1>	~~4700~~ 6381	3"
~~<2>~~	~~1681~~	~~3"~~

WELD LIST

WELD NO	WELD CAT.	SIZE (IN)	WELD TYPE
GJ06	F	3"	GJ
~~GJ07~~	~~F~~	~~3"~~	~~GJ~~
GJ08	F	3"	GJ

BOLT LIST

BOLT NO	FLANGE SIZE(IN)	SIZE (IN)	LENGTH (MM)

INCH METER

PIPE NS (IN)	CL LENGTH (M)
3	6.9

ISOMETRIC NO. 4274-SP-XH-DL-2121-FW68W30-2-IS00 — SPOOLING REV NO. 00

SHEET NO. 1 OF 1