



ISO Summary List

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Client	TECNIMONT/REPSOL	Job #	22635
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	% RT/UT
1	100
2	100
3	100
4	100
5	100
6	100
7	100
8	100
9	100
10	100
11	100
12	100
13	100
14	100
15	100
16	100
17	100
18	100
19	100
20	100
21	100
22	100
23	100
24	100
25	100
26	100
27	100
28	100
29	100
30	100
31	100
32	100
33	100
34	100
35	100
36	100
37	100
38	100
39	100
40	100
41	100
42	100
43	100
44	100
45	100
46	100
47	100
48	100
49	100
50	100
51	100
52	100
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57	100
58	100
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62	100
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67	100
68	100
69	100
70	100
71	100
72	100
73	100
74	100
75	100
76	100
77	100
78	100
79	100
80	100
81	100
82	100
83	100
84	100
85	100
86	100
87	100
88	100
89	100
90	100
91	100
92	100
93	100
94	100
95	100
96	100
97	100
98	100
99	100
100	100

Local Portugal

Project 4274 ALBA-I007 Piping Fabrication

% PT/MT

ISO # 2121-FW68W11-3

Revision 00

Priority 2B

Piping Size/Class	2-B-13	PED Category	Art 4.3	Assessment Inspection/Results
12" and larger				
8" and 10"				
6"				
4"				
3"				
2"				
1 1/2"				
1"				
3/4"				
1/2"				
1/4"				

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	F157M	THD	2" PIPE - A53-B GALV THREADED NPT MALE	CERT. TCM 731175 ✓		06-23-12519											
02	F158M	THD	2" THD FLANGE ASME B16.5 150# A105 GALV														
03	F158M	THD	2" THD FLANGE ASME B16.5 150# A105 GALV														
03	F52	THD	2" PIPE - A53-B GALV THREADED NPT MALE	CERT. TCM 731175 ✓		06-23-12519			17/02/2024								
04	F53	THD	2" PIPE - A53-B GALV THREADED NPT MALE	CERT. TCM 731175 ✓		06-23-12519			17/02/2024								
04	F53	THD	2" PIPE - A53-B GALV THREADED NPT MALE	CERT. TCM 731175 ✓		06-23-12519			17/02/2024								
13	F63	THD	2x1" REDUCING TEE ASME B16.11 3000# A10														
13	F63	THD	2x1" REDUCING TEE ASME B16.11 3000# A10						17/02/2024								
14	F64	THD	2" PIPE - A53-B GALV THREADED NPT MALE	CERT. TCM 731175 ✓		06-23-12519			17/02/2024								
14	F64	THD	2" PIPE - A53-B GALV THREADED NPT MALE	CERT. TCM 731175 ✓		06-23-12519			17/02/2024								
23	F74	THD	2x1" REDUCING TEE ASME B16.11 3000# A10														
23	F74	THD	2x1" REDUCING TEE ASME B16.11 3000# A10						17/02/2024								
24	F75	THD	2" PIPE - A53-B GALV THREADED NPT MALE	CERT. TCM 731175 ✓		06-23-12519			17/02/2024								
24	F75	THD	2" PIPE - A53-B GALV THREADED NPT MALE	CERT. TCM 731175 ✓		06-23-12519			17/02/2024								
24	F75	THD	2" 45 ELBOW ASME B16.11 3000# A105 GALV														
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: <i>Fluic timote</i>			Name: <i>Leg Bano</i>						
PT-Penetrant Test; MT-Magnetic Test; RT-Radiographic Test								Date: <i>06/07/2024</i>			Date: <i>01/07/2024</i>						
UT-Ultrasonic Test; PMI-Positive Material Identification								Sign: <i>[Signature]</i>			Sign: <i>[Signature]</i>						
HT-Hardness Test; PN-Pneumatic Test; FT-Ferrites Test																	

BILL OF MATERIALS									
FABRICATION MATERIALS									
PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.	HOLD	PS NO	DESCRIPTION	NS (MM)	HOLD
1	PIPE - A53-B GALV NTE SMLS TOIAC11W02 S-XS <PRPG010C12XS> (N/A).	2	1145688	2.5 M		1	PIPE - A53-B GALV NTE SMLS TOIAC11W02 S-XS <PRPG010C12XS> (N/A).	2	
2	PIPE - A53-B GALV NTE SMLS TOIAC11W02 S-XS <PRPG010C11XS> (N/A).	1	1145694	1.0 M		2	PIPE - A53-B GALV NTE SMLS TOIAC11W02 S-XS <PRPG010C11XS> (N/A).	1	
3	PIPE - A53-B GALV NTE SMLS TOIAC11W02 S-XS <PRPG010C11XS> (N/A).	1	1145694	0.3 M		3	PIPE - A53-B GALV NTE SMLS TOIAC11W02 S-XS <PRPG010C11XS> (N/A).	1	
4	FLANGES	2	1214820	2		4	FLANGES	2	
5	CONCENTRIC SWAGE NISS SP-65 - A105 GALV NTE SMLS SCH-1XS	1X1/2	14198150	2		5	CONCENTRIC SWAGE NISS SP-65 - A105 GALV NTE SMLS SCH-1XS	1X1/2	
6	SCH-2XS R21FC022W01 <CSW0100R12161016> (L-CSW028)	1	1214820	2		6	SCH-2XS R21FC022W01 <CSW0100R12161016> (L-CSW028)	1	
7	90 ELBOW ASME B16.11 3000W A105 GALV FTE FTE - R31FNC022203	1	1214820	2		7	90 ELBOW ASME B16.11 3000W A105 GALV FTE FTE - R31FNC022203	1	
8	90 ELBOW ASME B16.11 3000W A105 GALV FTE FTE - R31FNC022203	1	1214820	2		8	90 ELBOW ASME B16.11 3000W A105 GALV FTE FTE - R31FNC022203	1	
9	COUPLING ASME B16.11 3000W A105 GALV FTE FTE - R01FNC022201	1/2	1214895	2		9	COUPLING ASME B16.11 3000W A105 GALV FTE FTE - R01FNC022201	1/2	
10	FLANGES	2	1215065	2		10	FLANGES	2	
11	FLAT RING GASKET ASME B16.21 150W RTTB NAARAMIDIC-NBR ASME	2	1166930	1		11	FLAT RING GASKET ASME B16.21 150W RTTB NAARAMIDIC-NBR ASME	2	
12	BOLTS	5/8	140881360	4		12	BOLTS	5/8	
13	STUD BOLTS/ANUTS ASME B18.2.2 A193-B7A184-2H GALV.	2	495	1		13	STUD BOLTS/ANUTS ASME B18.2.2 A193-B7A184-2H GALV.	2	
14	U BOLT FOR GUIDE-HOOD	2	495	1		14	U BOLT FOR GUIDE-HOOD	2	
ERECTION MATERIALS									
PS NO	DESCRIPTION	NS (MM)	ITEM CODE	QTY.	HOLD	PS NO	DESCRIPTION	NS (MM)	HOLD
1	PIPE - A53-B GALV NTE SMLS TOIAC11W02 S-XS <PRPG010C12XS> (N/A).	2	1145688	2.5 M		1	PIPE - A53-B GALV NTE SMLS TOIAC11W02 S-XS <PRPG010C12XS> (N/A).	2	
2	PIPE - A53-B GALV NTE SMLS TOIAC11W02 S-XS <PRPG010C11XS> (N/A).	1	1145694	1.0 M		2	PIPE - A53-B GALV NTE SMLS TOIAC11W02 S-XS <PRPG010C11XS> (N/A).	1	
3	PIPE - A53-B GALV NTE SMLS TOIAC11W02 S-XS <PRPG010C11XS> (N/A).	1	1145694	0.3 M		3	PIPE - A53-B GALV NTE SMLS TOIAC11W02 S-XS <PRPG010C11XS> (N/A).	1	
4	FLANGES	2	1214820	2		4	FLANGES	2	
5	CONCENTRIC SWAGE NISS SP-65 - A105 GALV NTE SMLS SCH-1XS	1X1/2	14198150	2		5	CONCENTRIC SWAGE NISS SP-65 - A105 GALV NTE SMLS SCH-1XS	1X1/2	
6	SCH-2XS R21FC022W01 <CSW0100R12161016> (L-CSW028)	1	1214820	2		6	SCH-2XS R21FC022W01 <CSW0100R12161016> (L-CSW028)	1	
7	90 ELBOW ASME B16.11 3000W A105 GALV FTE FTE - R31FNC022203	1	1214820	2		7	90 ELBOW ASME B16.11 3000W A105 GALV FTE FTE - R31FNC022203	1	
8	90 ELBOW ASME B16.11 3000W A105 GALV FTE FTE - R31FNC022203	1	1214820	2		8	90 ELBOW ASME B16.11 3000W A105 GALV FTE FTE - R31FNC022203	1	
9	COUPLING ASME B16.11 3000W A105 GALV FTE FTE - R01FNC022201	1/2	1214895	2		9	COUPLING ASME B16.11 3000W A105 GALV FTE FTE - R01FNC022201	1/2	
10	FLANGES	2	1215065	2		10	FLANGES	2	
11	FLAT RING GASKET ASME B16.21 150W RTTB NAARAMIDIC-NBR ASME	2	1166930	1		11	FLAT RING GASKET ASME B16.21 150W RTTB NAARAMIDIC-NBR ASME	2	
12	BOLTS	5/8	140881360	4		12	BOLTS	5/8	
13	STUD BOLTS/ANUTS ASME B18.2.2 A193-B7A184-2H GALV.	2	495	1		13	STUD BOLTS/ANUTS ASME B18.2.2 A193-B7A184-2H GALV.	2	
14	U BOLT FOR GUIDE-HOOD	2	495	1		14	U BOLT FOR GUIDE-HOOD	2	
CUT LIST									
PIECE NO	LENGTH (MM)	SIZE (IN)	WELD NO	WELD CAT.	WELD TYPE	PIECE NO	LENGTH (MM)	SIZE (IN)	WELD NO