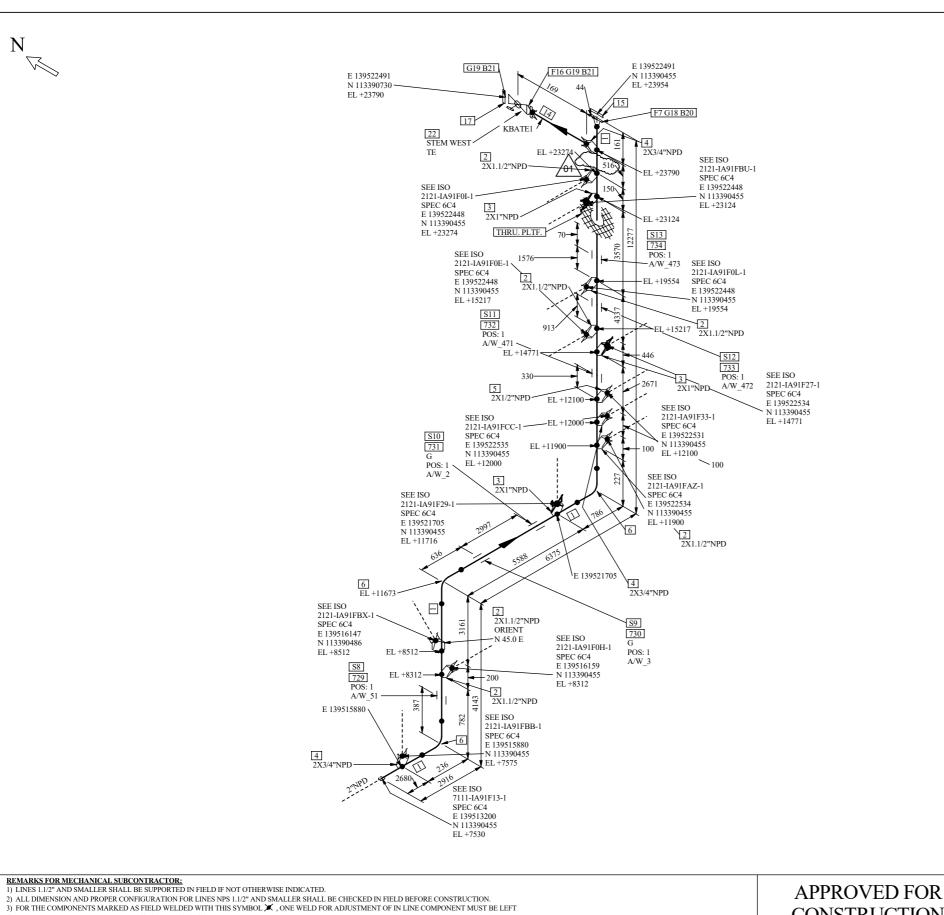
REV. CAUSE ID:

STREAM REV. NO.: 10

STREAM NO.:3250

REV.



		I	BILL OF MATERIAL				
PT NO COMPONENT DESCRIPTION					ITEM CO	DE QTY	HOLD STATUS
PIPE PIPE - A312-TP304/304L DUAL GR BE SMLS T01AL2CV02 S-10S < PIPB04DB2210S > (L-PIP113).					1336430	25.2 M	
ETTINGS 2 REDUCING SOCKOLET MSS-SP-97 3000# A182-F304/304L DUAL GR BE SWE -					1225834	11 6	
R13DNL2AV101 NREQD <sokb450lb01413> (L-SOK04) REDUCING SOCKOLET MSS-SP-97 3000# A182-F304/304L DUAL GR BE SWE - R13DNL2AV101 NREQD <sokb450lb01412> (L-SOK04)</sokb450lb01412></sokb450lb01413>				2X1	1225833	3	
4 REDUCING SOCKOLET MSS-SP-97 3000# A182-F304/304L DUAL GR BE SWE - R13DNL2AV101 NREQD < SOKB450LB01411> (L-SOK04)					1225833	3	
5 REDUCING SOCKOLET MSS-SP-97 3000# A182-F304/304L DUAL GR BE SWE - R13DNL2AV101 NREQD < SOKB450LB01410> (L-SOK04)					1225833	7 1	
6 90 LR ELBOW ASME B16.9 A403 <90LB23DF3210S> (L-8052).	3-WP304/304L DO	G BE SMLS	C01DL2FV01 S-10S	2	1225913	3	
FLANGES 7 WN FLANGE ASME B16.5 150# A F01CDL2ABV05 S-10S <wnfb45< td=""><td></td><td></td><td>F BE 125 - 250 AARH</td><td>2</td><td>1226068</td><td>36 1</td><td></td></wnfb45<>			F BE 125 - 250 AARH	2	1226068	36 1	
PIPE SUPPORTS 8 U BOLT (FOR GUIDE)-P02D				2	729	1	
O SUPPORT HOR.NOT INS.PIP.N4G1					730	1	
10 SUPPORT HOR.NOT INS.PIP.N4G1					731	1	
11 U BOLT (FOR GUIDE)-P02D					732	1	
12 U BOLT (FOR GUIDE)-P02D					733	1	
13 U BOLT (FOR GUIDE)-P02D					734	1	
PIPE 14 PIPE - A312-TP304/304L DUAL GR PE SMLS T01AL2CZ02 S-40S <pipb04da23 440s=""> (L-PIP111)</pipb04da23>					1225793	88 0.2 M	
FLANGES 15 BLIND FLANGE ASME B16.5 150# A182-F304/304L DUAL GR RF NREQD 125 - 250 AARH F10CDL2AB005 <blfb450r152> (L-BLF33)</blfb450r152>				2	1226040)4 1	
16 SW FLANGE ASME B16.5 150# A182-F304/304L DUAL GR RFFE SWE 125 - 250 AARH F02CDL2AB105 S-40S <swfb450r153 440s=""> (L-SWF30)</swfb450r153>				3/4	1226036	52 1	
17 BLIND FLANGE ASME B16.5 150 F10CDL2AB005 <blfb450r153 <br="">GASKETS</blfb450r153>		4L DUAL GF	R RF NREQD 125 - 250 AARH	3/4	1226039	96 1	
18 SPIRAL WOUND GASKET ASME B16.20 150# RFTBE 304/GRAFOIL SS 304 SS 304 ASME B16.5 G03GDP1IS04 < N/A > (N/A)				2	1165449	00 1	
19 SPIRAL WOUND GASKET ASME B16.20 150# RFTBE 304/GRAFOIL SS 304 SS 304 ASME B16.5 G03GDP1IS04 < N/A> (N/A) B0LTS				3/4	I165448	31 2	
20 STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B8M CL2/A194-8MA INCH SIZE I010B1601 <sb2r58g5 2="" 831=""> - 2 NUTS PER BOLT - 85 mm Length 21 STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B8M CL2/A194-8MA INCH SIZE I010B1601 <sb2r58g1 2="" 221=""> - 2 NUTS PER BOLT - 65 mm Length</sb2r58g1></sb2r58g5>				5/8	I534583	376 4	
				1/2	I638014	110 8	
VALVES / IN-LINE ITEMS. 22 BALL VALVE API 608 150# A351-CF8M RFFE 316/R-PTFE, GF A193-B8M CL2/8MA 125 - 250 AARH 2PSB-FULL BORE FLOATING BALL OHW ASME B16.5 V04JDL08B05C NREQI <b43 4l-al082=""> (L-AL082)</b43>					1637829	253 1	
PIPE MATERIAL	PE MATERIAL NOTES: 1. FOR TECHNICAL DETAILS SEE LINE LIST. 2. FOR VENT, DRAIN OR INSTRUMENT CONNECTION DETAILS SEE 45-L-45-000-2-00-80102.						
304, dual grade			N OR INSTRUMENT CONNECTION DETA RDING TO 45-L-45-000-2-00-80021.	oli: 43-L-4;	. 000-2-00-8010	±.	
HEAT TREATMENT (PWHT)	1		RDING TO 45-A-45-000-1-00-20160.				
N	5. CO	DDE SHOWN IN	BOM BETWEEN "<" & ">" DENOTES REPS	SOL UNICODE.	" <n a="">" MEA</n>	NS UNICODE IS "NOT AV.	AILABLE".
PAINTING SCHEME (3) NR	I CONTRACTOR:		CONTRACTOR DRAWING NUMBER:			PROJECT:	
PIPING CLASS 6C4	Tecnimont		4274-XH-DL-2121IA91F13-1			4001008	
WELDING CLASS (4) M PED CATEGORY	LO	LOW LINEAL DENSITY POLYE AND POLYPROPYLENE (P			NTS	CLIENT / CO REPSOL POLY!	
Art 4.3 INSULATION CODE / THK. (mm)	REPSOL		R PROJECT - ALBA PROJECT			SINES INDUSTRIAL	
N 0	ANNEX 19 DRAWING NUMBER 19-000-2-02-00001 sheet 2121IA91F13-1						01

4) FOR EXTRA PIPE LENGTH REFER TO 4274-LZ-PC-00000603.
5) GUSSETING TO BE IMPLEMENTED BY MECHANICAL SUBCONTRACTOR AS PER 45-L-45-000-2-00-80004 / 4274-XH-SG-00000002.

6) CROSSING BETWEEN WELDS ON PIPELINE SHALL NOT BE ADMITTED.
7) IN CASE OF DISCREPANCIES BETWEEN DATA SHOWN ON ISO AND IN LINE LIST (AS APPLICABLE, DATA SHOWN IN LINE LIST GOVERN.

ISOMETRIC DRAWING LINE 2"-IA-91F13-6C4

CONSTRUCTION

on Iso list of relevant CWA

FILENAME: 19-000-2-02-00001 sheet 2121IA91F13-1.dwg