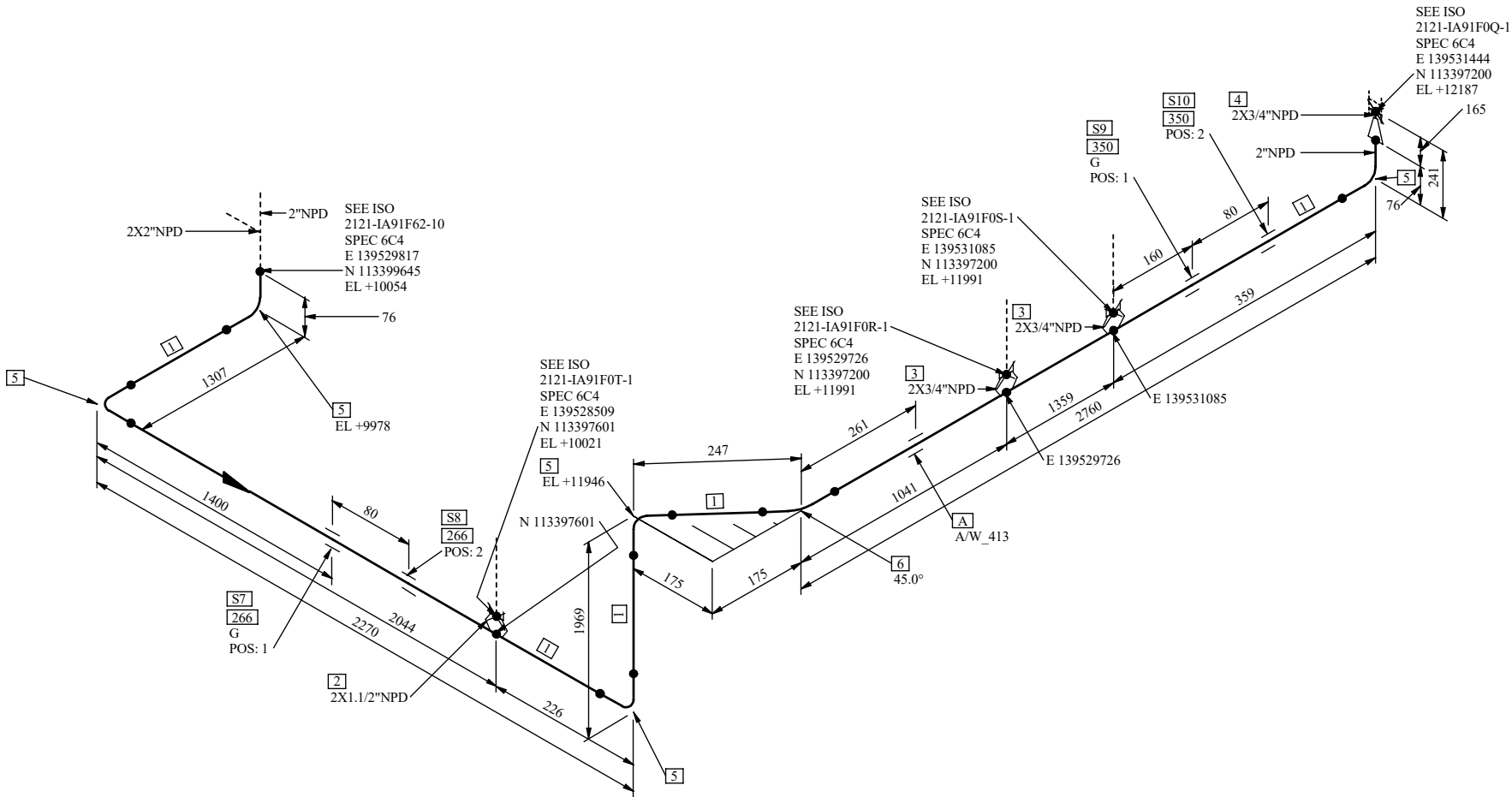
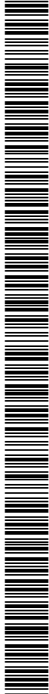








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EXTR. DATE: 21-10-2023 09:40:23 STREAM NO.: 3250 STREAM REV. NO. : 10 REV. CAUSE ID:



BILL OF MATERIAL					
PT NO	COMPONENT DESCRIPTION	N.S. (IN)	ITEM CODE	QTY	HOLD STATUS
PIPE					
1	PIPE - A312-TP304/304L DUAL GR BE SMLS T01AL2CV02 S-10S <PIPB04DB2210S> (L-PIP113)	2	13364302	7.9 M	
FITTINGS					
2	REDUCING SOCKOLET MSS-SP-97 3000# A182-F304/304L DUAL GR BE SWE - R13DNL2AV101 NREQD <SOKB450LB01413> (L-SOK04)	2X1.1/2	12258341	1	
3	REDUCING SOCKOLET MSS-SP-97 3000# A182-F304/304L DUAL GR BE SWE - R13DNL2AV101 NREQD <SOKB450LB01411> (L-SOK04)	2X3/4	12258338	2	
4	CONCENTRIC SWAGE MSS SP-95 - A403-WP304/304L DG BE PE SMLS SCH1-10S SCH2-40S R21FQL2FVZ10 <CSWB04DGR14071101> (L-CSW21)	2X3/4	12495660	1	
5	90 LR ELBOW ASME B16.9 A403-WP304/304L DG BE SMLS C01DL2FV01 S-10S <90LB23DF3210S> (L-8052)	2	12259133	5	
6	45 LR ELBOW ASME B16.9 A403-WP304/304L DG BE SMLS C02DL2FV01 S-10S <45LB23DF3210S> (L-45L28)	2	12259145	1	
PIPE SUPPORTS					
7	SUPPORT HOR.NOT INS.PIP.N4G1	2	266	1	
8	VERTICAL STAKES WELDED TO STR. ST42 L80X80X10	2	266	1	
9	SUPPORT HOR.NOT INS.PIP.N4G1	2	350	1	
10	VERTICAL STAKES WELDED TO STR. ST42 L80X80X10	2	350	1	

REMARKS FOR MECHANICAL SUBCONTRACTOR:						
1) LINES 1.1/2" AND SMALLER SHALL BE SUPPORTED IN FIELD IF NOT OTHERWISE INDICATED.						
2) ALL DIMENSION AND PROPER CONFIGURATION FOR LINES NPS 1.1/2" AND SMALLER SHALL BE CHECKED IN FIELD BEFORE CONSTRUCTION.						
3) FOR THE COMPONENTS MARKED AS FIELD WELDED WITH THIS SYMBOL  , ONE WELD FOR ADJUSTMENT OF IN LINE COMPONENT MUST BE LEFT						
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.						
8) ACTUAL CUT LENGTH OF PIPE AND FIELD WELDS SHALL BE DEFINED BY MECHANICAL SUBCONTRACTOR (REF.TO 4274-LZ-PC-00000603).						
9) WHERE EARTHING BONDING IS REQUIRED, MECHANICAL SUBCONTRACTOR TO PERFORM IT BASED ON DOC. 45-P-000-7-06-00902/ 4274 -NN-DW-00000002 AND ASSEMBLY NO FEA005 AND FE019.						
SUPPORTS LEGEND:		PIPE SUPPORT				
 DENOTES PARTS LIST NO		 A=RESTING SUPPORT G=GUIDE F=AXIAL STOP B=ANCHOR M=SPRING S=TEFLON PAD WHERE  WITHOUT NUMBERING IS INDICATED, THIS MEANS THAT THERE IS A REST DIRECTLY ON STEEL STRUCTURE.				
						STRESS CALC. N° -
						P & ID 19-A-19-000-1-01-00001 sheet 106
00	ISSUED FOR CONSTRUCTION	20-OCT-23	M.YADAV	P.VAZE	G.PAGANONI	LINE LIST N° 19-L-19-000-2-00-80602
REV.	DESCRIPTION	DATE	DRW. BY	CHECK BY	APPR. BY	APPR. CLIENT 19-L-19-000-2-00-86197 sheet 3

APPROVED FOR CONSTRUCTION		PIPE 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. 3. WELDING ACCORDING TO 45-L-45-000-2-00-80021. 4. PAINTING ACCORDING TO 45-A-45-000-1-00-20160. 5. CODE SHOWN IN BOM BETWEEN "<" & ">" DENOTES REPSOL UNICODE. "<N/A>" MEANS UNICODE IS "NOT AVAILABLE".					
		304, dual grade						
		HEAT TREATMENT (PWHIT)						
		N						
Signature for construction is shown on Iso list of relevant CWA		PAINTING SCHEME (3)	CONTRACTOR: 	CONTRACTOR DRAWING NUMBER: 4274-XH-DL-2121IA91F62-4		PROJECT: 4001008		
		NR						
TITLE ISOMETRIC DRAWING LINE 2"-IA-91F62-6C4		PIPING CLASS	6C4					
		WELDING CLASS (4)	M	LOW LINEAL DENSITY POLYETHYLENE (PEL) AND POLYPROPYLENE (PP) PLANTS FOR PROJECT - ALBA PROJECT  CLIENT / COMPLEX REPSOL POLYMEROS/ SINES INDUSTRIAL COMPLEX				
		PED CATEGORY	Art 4.3					
				INSULATION CODE / THK. (mm)	N 0	ANNEX 19	SPEC. L	DRAWING NUMBER 19-000-2-02-00001 sheet 2121IA91F62-4