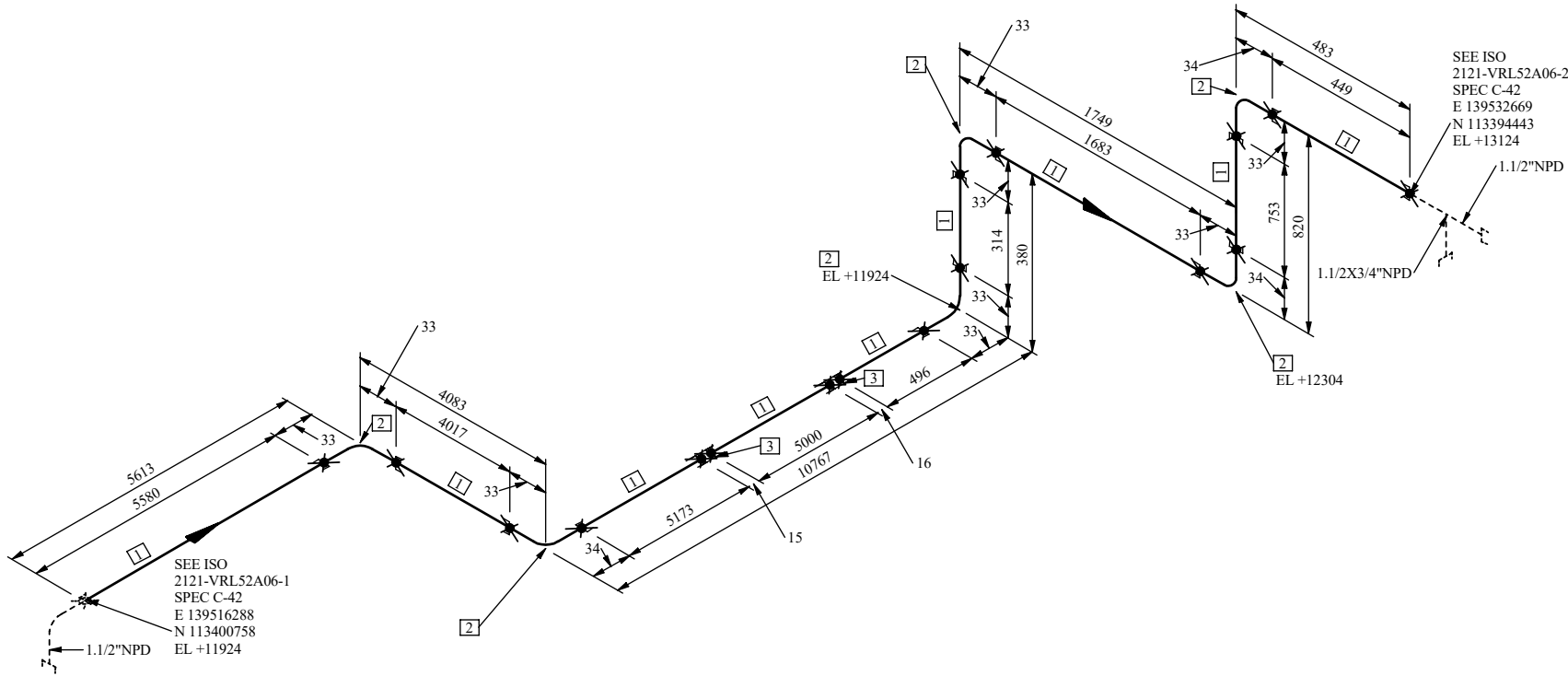
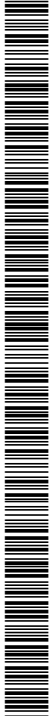


THIS DOCUMENT BELONGS TO REPSOL. IT CAN NOT BE COPIED, REPRODUCED AND/OR USED WITHOUT  
PREVIOUS AUTHORIZATION OF REPSOL. COMPUTERIZED DRAWING (HANDWRITING STRICTLY FORBIDDEN).

EXTR. DATE: 08-02-2024 22:07:03



STREAM NO.:5117

REV. CAUSE ID: 23



BILL OF MATERIAL					
PT NO	COMPONENT DESCRIPTION	N.S. (IN)	ITEM CODE	QTY	HOLD STATUS
PIPE					
1	PIPE - A333-6 PE SMLS T01AC22Z02 S-XS <PIPL020A111/2XS> (L-PIP01)	1.1/2	I146408	23.5 M	
FITTINGS					
2	90 ELBOW ASME B16.11 3000# A350-LF2 Class 1 SWE SWE - R31FNC071103 NREQD <90FL300LBK11/2> (L-7900)	1.1/2	I213765	6	
3	COUPLING ASME B16.11 3000# A350-LF2 Class 1 SWE SWE - R01FNC071101 NREQD <FCPL300LBK11/2> (L-6599)	1.1/2	I213069	2	

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:						
☐ DENOTES PARTS LIST NO		PIPE SUPPORT	—	A=RESTING SUPPORT WHERE	G=GUIDE	F=AXIAL STOP
				WITHOUT NUMBERING IS INDICATED, THIS MEANS THAT THERE IS A REST DIRECTLY ON STEEL STRUCTURE.	B=ANCHOR	M=SPRING
						S=TEFLON PAD
						STRESS CALC. N°
01	ISSUED FOR REFERENCE		09-FEB-24	M.YADAV	P.VAZE	G.PAGANONI
						P & ID 19-A-19-000-1-01-00001 sheet 65
00	ISSUED FOR REFERENCE		23-JUN-23	U.CHAVAN	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
						PIPE LAYOUT N° 19-L-19-000-2-00-86197 sheet 4

ISSUED FOR REFERENCE	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".							
	CS, low temperature									
	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-2121VRL52A06-3		PROJECT:  4001008			
	20									
	PIPING CLASS									
	C-42									
TITLE	WELDING CLASS (4)		 LOW LINEAL DENSITY POLYETHYLENE (PEL) AND POLYPROPYLENE (PP) PLANTS FOR PROJECT - ALBA PROJECT				CLIENT / COMPLEX REPSOL POLYMEROS/ SINES INDUSTRIAL COMPLEX			
ISOMETRIC DRAWING LINE	F									
	PED CATEGORY									
	II									
1-1/2"-VRL-52A06-C-42 (CG)	INSULATION CODE / THK. (mm)		ANNEX 19		SPEC. L		DRAWING NUMBER 19-000-2-02-00001 sheet 2121VRL52A06-3		REV. <b>01</b>	
	CG 50									