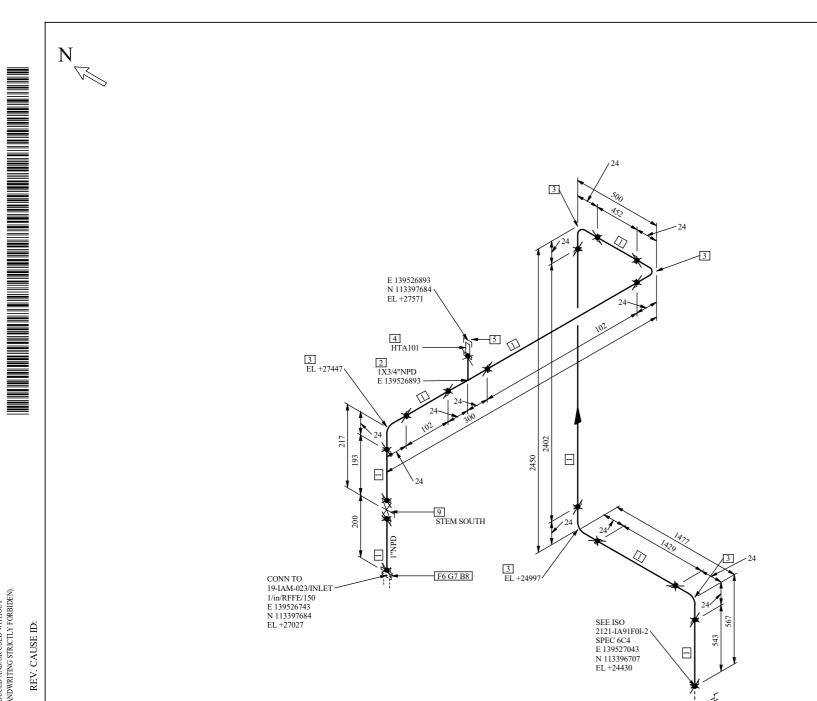
REMARKS FOR MECHANICAL SUBCONTRACTOR:

1) LINES 1.1/2" AND SMALLER SHALL BE SUPPORTED IN FIELD IF NOT OTHERWISE INDICATED.



BILL OF MATERIAL HOLD COMPONENT DESCRIPTION ITEM CODE QTY STATUS (IN) PIPE - A312-TP304/304L DUAL GR PE SMLS T01AL2CZ02 S-40S < PIPB04DA2140S > 12257939 (L-PIP111) REDUCING TEE ASME B16.11 3000# A182-F304/304L DUAL GR SWE SWE -1X3/4 12258205 R12FNL2A1101 NREQD < RTEB450LBK13/4> (L-RTE18) 90 ELBOW ASME B16.11 3000# A182-F304/304L DUAL GR SWE SWE - R31FNL2A1103 12258117 NREQD <90FB450LBK1> (L-90F05) NIPPLE - - A312-TP304/304L DUAL GR PE MTE SMLS LENGTH 100mm R03AQL2CZW04 I2258068 S-80S < NTOB04DE2110424> (L-NTO09) CAP ASME B16.11 3000# A182-F304/304L DUAL GR FTE NREQD - R41FNL2A2001 I2259129 NREOD <CATB450KBK3/4> (L-CAT04) FLANGES SW FLANGE ASME B16.5 150# A182-F304/304L DUAL GR RFFE SWE 125 - 250 AARH 12260363 F02CDL2AB105 S-40S <SWFB450R15140S> (L-SWF30) SPIRAL WOUND GASKET ASME B16.20 150# RFTBE 304/GRAFOIL SS 304 SS 304 ASME 11654482 B16.5 G03GDP1IS04 <N/A> (N/A) STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B8M CL2/A194-8MA INCH SIZE I63801410 101OB1601 <SB2R58G1/221/2> - 2 NUTS PER BOLT - 65 mm Length VALVES / IN-LINE ITEMS GATE VALVE API 602 800# A182-F316/316L DUAL GR SWE SWE 12-316&HF API 602 I3404187 A193-B8M CL2/8MA BB-OS&Y SOW API 602 HW V01GIL1M114N NREQD <G61L-AL021>

3) FOI 4) FOI 5) GU 6) CRO 7) IN 0 8) AC	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 SUPPORT SUPPORT G=GLIDE F=AXIAL STOP B=ANCHOR M=SPRING S=TEFLON PAD WHERE A WITHOUT NUMBERING IS INDICATED, THIS MEANS THAT THERE IS A REST DIRECTLY ON STEEL STRUCTURE.										
									STRESS CALC. Nº	TIT
									P & ID 19-A-19-000-1-01-00001 sheet 106	]   I
00	ISSUED FOR REFERENCE			04-AUG-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 7		
		·	·						·	

REFERENCE

**ISSUED FOR** 

PIPE MATERIAL

304, dual grade

HEAT TREATMENT (PWHT)

INSULATION CODE / THK. (mm)

NR

Art 4.3

ANNEX

Signature for construction is shown on Iso list of relevant CWA

ISOMETRIC DRAWING LINE

1"-IA-91F0K-6C4

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

5. CODE SHOWN IN BOM BETWEEN "<" & ">" DENOTES REPSOL UNICODE. "<N/A>" MEANS UNICODE IS "NOT AVAILABLE" PAINTING SCHEME (3) CONTRACTOR: CONTRACTOR DRAWING NUMBER: PROJECT:

PIPING CLASS 4001008 4274-XH-DL-2121IA91F0K-1 WELDING CLASS (4) LOW LINEAL DENSITY POLYETHILENE (PEL) AND POLYPROPYLENE (PP) PLANTS PED CATEGORY

FOR PROJECT - ALBA PROJECT REPSQL

DRAWING NUMBER

CLIENT / COMPLEX REPSOL POLYMEROS/ SINES INDUSTRIAL COMPLEX

00

FILENAME: 19-000-2-02-00001 sheet 2121IA91F0K-1.dwg

19-000-2-02-00001 sheet 2121IA91F0K-1