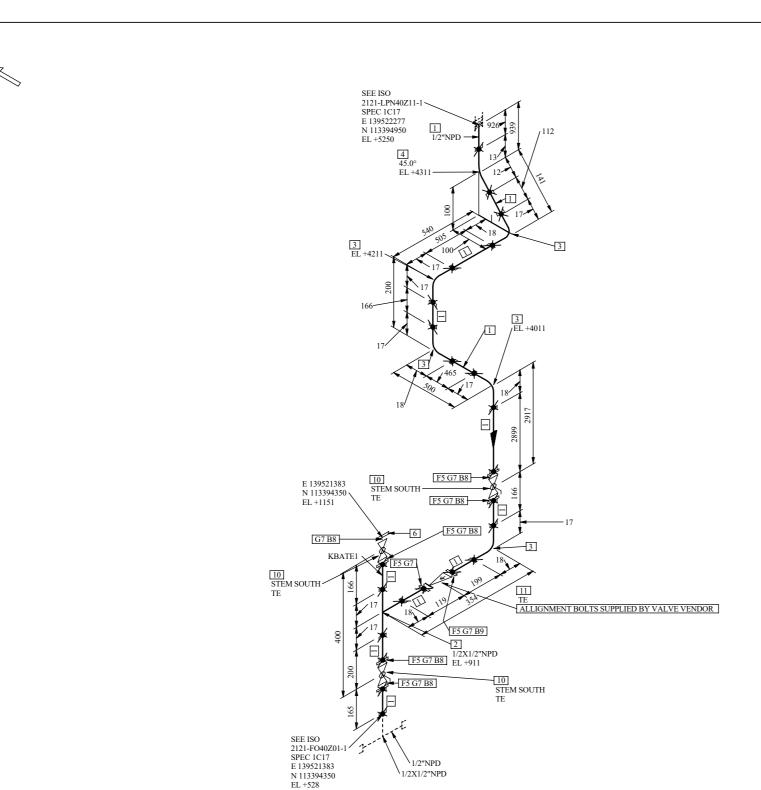
REMARKS FOR MECHANICAL SUBCONTRACTOR:

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.



BILL OF MATERIAL HOLD COMPONENT DESCRIPTION ITEM CODE QTY STATUS (IN) PIPE - A106-B PE SMLS T01AC03Z02 S-XS < PIPA010A11/2XS > (L-6679) I132777 FITTINGS TEE ASME B16.11 3000# A105N SWE SWE - R11FNC441101 NREQD < TESA300LBK1/2> 1/2X1/2 I1651299 (L-179) 90 ELBOW ASME B16.11 3000# A105N SWE SWE - R31FNC441103 NREQD I1651295 <90FA300LBK1/2>(L-178) 45 ELBOW ASME B16.11 3000# A105N SWE SWE - R32FNC441101 NREQD 11651291 <45FA300LBK1/2>(L-184) FLANGES SW FLANGE ASME B16.5 150# A105N RFFE SWE 125 - 250 AARH F02CDC44B105 S-XS I5378341 <SWFA300R151/2XS> (L-295) BLIND FLANGE ASME B16.5 150# A105N RFFE NREQD 125 - 250 AARH F10CDC44B005 I1652355 <BLFA300R151/2> (L-140) ASKETS SPIRAL WOUND GASKET ASME B16.20 150# RFTBE 304/GRAFOIL CARBON STEEL SS 304 1/2 I63508894 ASME B16.5 G03GDP1IS12 < N/A > (N/A) 153437179 STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE I010B0301 <SB2R51G1/221/2> - 2 NUTS PER BOLT - 60 mm Length STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE I010B0301 153437223 <SB2R51G1/231/4> - 2 NUTS PER BOLT - 80 mm Length ALVES / IN-LINE ITEMS 0 BALL VALVE API 608 150# A216-WCB RFFE 316/R-PTFE, GF B7/2H 125 - 250 AARH 110013685 2PSB-FULL BORE FLOATING BALL OHW ASME B16.5 V04JDC29BZZG NREQD <N/A> (N/A) DISC CHECK WFR VALVE ASME B16.34 150# A216-WCB RFTBE 316/R-PTFE, GF 125 -I10016146 250 AARH SL VERTICAL&HORIZONTAL CRACK. PRESS. 1/2 PSI ASME B16.5 V40JDC29P01 NREQD <N/A> (N/A)

3) FOR THE COMPONENTS MARKED AS FIELD WELDED WITH THIS SYMBOL ✗, ONE WELD FOR ADJUSTMENT OF IN LINE COMPONENT MUST BE LEFT									1
	4) FOR	EXTRA PIPE LENGTH REFER TO 4274-LZ-PC-00000603.							
J	5) GUS	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.								1
3 I	7) IN CASE OF DISCREPANCIES BETWEEN DATA SHOWN ON ISO AND IN LINE LIST (AS APPLICABLE, DATA SHOWN IN LINE LIST GOVERN.								1
٠ ا	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.								FEA005 AND FE019.	1 9
3	TIDENOTES PARTS LIST NO PIPE — A=RESTING SUPPORT G=GLIDE F=AXIAL STOP B=ANCHOR M=SPRING S=TEFLON PAD								
3	SUPPORTS LEGEND: DENOTES PARTS LIST NO PIPE A RESTING SUPPORT G = GUIDE F = AXIAL STOP B = ANCHOR M = SPRING S = TEFLON PAD WHERE A WHERE A WHITHOUT NUMBERING IS INDICATED, THIS MEANS THAT THERE IS A REST DIRECTLY ON STEEL STRUCTURE.								
									\vdash
<u> </u>								STRESS CALC. Nº	T
٦I								_	1
ŏ ŀ								P & ID	1
۱ ي.	01	ISSUED FOR REFERENCE	24-NOV-23	M.YADAV	P.VAZE	G.PAGANONI			1
AIE								19-A-19-000-1-01-00001 sheet 51	1
	00	IGGLIED FOR REFERENCE	14 1111 22	MANADAM	D 1/4 7/F	C DA CANONII		LINE LIST N°	
۱ :	00	ISSUED FOR REFERENCE	14-JUL-23	M.YADAV	P.VAZE	G.PAGANONI		19-L-19-000-2-00-80602	
<u> </u>								PIPE LAYOUT Nº	
Y [REV.	DESCRIPTION	DATE	DRW. BY	CHECK BY	APPR. BY	APPR. CLIENT	19-L-19-000-2-00-86197 sheet 2	

REFERENCE Signature for construction is shown on Iso list of relevant CWA

ISSUED FOR

PIPE MATERIAL

PIPING CLASS

HEAT TREATMENT (PWHT)

INSULATION CODE / THK. (mm)

CS

ISOMETRIC DRAWING LINE 1/2"-LPN-40Z11-1C17

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"

4274-XH-DL-2121LPN40Z11-2

PAINTING SCHEME (3) CONTRACTOR: CONTRACTOR DRAWING NUMBER: PROJECT:

DRAWING NUMBER

1C17 WELDING CLASS (4) LOW LINEAL DENSITY POLYETHILENE (PEL) AND POLYPROPYLENE (PP) PLANTS PED CATEGORY FOR PROJECT - ALBA PROJECT REPSQL Art 4.3

ANNEX

CLIENT / COMPLEX REPSOL POLYMEROS/ SINES INDUSTRIAL COMPLEX

4001008

01

FILENAME: 19-000-2-02-00001 sheet 2121LPN40Z11-2.dwg

19-000-2-02-00001 sheet 2121LPN40Z11-2