

	BILL OF MATERIAL				
PT NO COMPONENT DESCRIPTION PIPE	ON	N.S. (IN)	ITEM CODE	QTY.	HOLD
1 PIPE - A106-B PE SMLS T01AC	03Z02 S-XS <pipa010a11xs> (L-6679) 03Z02 S-XS <pipa010a13 4xs=""> (L-6679)</pipa010a13></pipa010a11xs>	1 3/4	I132793 I132785	1.1 M 0.1 M	
	3000# A105N SWE SWE - R12FNC441101 NREQD	1X3/4	11651305	1	
<rtea300kbk13 4=""> (L-RTE15) 4 90 ELBOW ASME B16.11 3000# &lt;90FA300LBK1&gt; (L-178)</rtea300kbk13>	A105N SWE SWE - R31FNC441103 NREQD	1	I1651296	2	
	A105N RFFE SWE 125 - 250 AARH F02CDC44B105 S-XS	1	15378343	2	
<swfa300r151xs> (L-295) 6 SW FLANGE ASME B16.5 150#. <swfa300r153 4xs=""> (L-295)</swfa300r153></swfa300r151xs>	A105N RFFE SWE 125 - 250 AARH F02CDC44B105 S-XS	3/4	15378342	1	
7 BLIND FLANGE ASME B16.5 15 <blfa300r153 4=""> (L-140)</blfa300r153>	50# A105N RFFE NREQD 125 - 250 AARH F10CDC44B005	3/4	11652356	1	
GASKETS 8 SPIRAL WOUND GASKET ASM ASME B16.5 G03GDP1IS12 <n <="" td=""><td>IE B16.20 150# RFTBE 304/GRAFOIL CARBON STEEL SS 304</td><td>1</td><td>163508896</td><td>3</td><td></td></n>	IE B16.20 150# RFTBE 304/GRAFOIL CARBON STEEL SS 304	1	163508896	3	
	IE B16.20 150# RFTBE 304/GRAFOIL CARBON STEEL SS 304	3/4	163508895	2	
<u>BOLTS</u> 10 STUD BOLTS&NUTS ASME B1: <sb2r51g1 2="" 221=""> - 2 NUTS PE</sb2r51g1>	8.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE I010B0301 R BOLT - 65 mm Length	1/2	I53437190	20	
	16-WCB RFFE 316/R-PTFE, GF B7/2H 125 - 250 AARH	1	I10013687	1	
12 BALL VALVE API 608 150# A21	BALL OHW ASME B16.5 V04JDC29BZZG NREQD <n a=""> (N/A 16-WCB RFFE 316/R-PTFE, GF B7/2H 125 - 250 AARH BALL OHW ASME B16.5 V04JDC29BZZG NREQD <n a=""> (N/A</n></n>	3/4	I10013686	1	
PIPE MATERIAL	NOTES: 1. FOR TECHNICAL DETAILS SEE LINE LIST.				
CS	FOR VENT, DRAIN OR INSTRUMENT CONNECTION DETAI     WELDING ACCORDING TO 45-L-45-000-2-00-80021.	LS SEE 45-L-	45-000-2-00-80102.		
	2. FOR VENT, DRAIN OR INSTRUMENT CONNECTION DETAIL			CODE IS "NOT A"	VAILABLE*

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.										Si
	SUPPORTS LEGEND:  Denotes parts list no Pipe — A=resting support G=Guide F=Aual stop B=Anchor M=spring S=thlonpad where A without numbering is indicated, this means that there is a rest directly on steel structure.  STRESS CALC. N°									TITL
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i	01	ISSUED FOR REFERENCE		24-NOV-23	M.YADAV	P.VAZE	G.PAGANONI		P & ID 19-A-19-000-1-01-00001 sheet 46	
	00	ISSUED FOR REFERENCE		30-JUN-2023	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	PIPE LAYOUT N° 19-L-19-000-2-00-86196 sheet 1	7

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

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

**ISSUED FOR** 

ISOMETRIC DRAWING LINE

1"-SCT-40N23-1C17 (HA)

INSULATION CODE / THK. (mm)

PROJECT: CONTRACTOR: CONTRACTOR DRAWING NUMBER: 4001008 PIPING CLASS 4274-XH-DL-2121SCT40N23-1

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

ANNEX 19

CLIENT / COMPLEX REPSOL POLYMEROS/ SINES INDUSTRIAL COMPLEX

01

DRAWING NUMBER 19-000-2-02-00001 sheet 2121SCT40N23-1