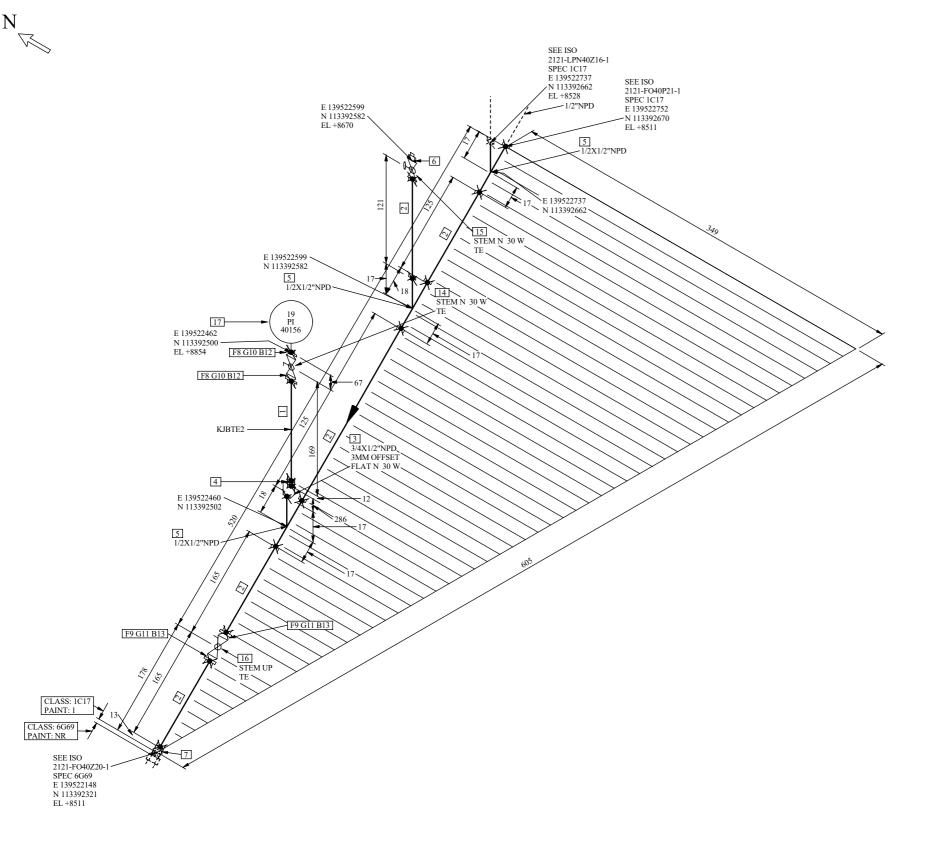
REV.

SUPPORTS LEGEND:

ISSUED FOR REFERENCE

ISSUED FOR REFERENCE

DESCRIPTION



BILL OF MATERIAL				
PT NO COMPONENT DESCRIPTION	N.S. (IN)	ITEM CODE	QTY.	HOLD
PIPE 1 PIPE - A106-B PE SMLS T01AC03Z02 S-XS <pipa010a13 4xs=""> (L-6679)</pipa010a13>	3/4	1132785	0.2 M	
PIPE - A106-B PE SMLS T01AC03Z02 S-XS <pipa010a13 (e-007)<="" 4x3="" td=""><td>1/2</td><td>I132777</td><td>0.6 M</td><td></td></pipa010a13>	1/2	I132777	0.6 M	
FITTINGS		1132///	0.0 1.1	
SECENTRIC SWAGE MSS SP-95 - A105N PE PE SMLS SCH1-XS SCH2-XS R22FQC44ZZ01 <eswa010ar11161016> (L-ESW31)</eswa010ar11161016>	3/4X1/2	I63782592	1	
4 COUPLING ASME B16.11 3000# A105N SWE SWE - R01FNC441101 NREQD <fcpa300lbk3 4=""> (L-180)</fcpa300lbk3>	3/4	11651676	1	
5 TEE ASME B16.11 3000# A105N SWE SWE - R11FNC441101 NREQD <tesa300lbk1 2=""> (L-179)</tesa300lbk1>	1/2X1/2	11651299	3	
6 PLUG ROUND HEAD ASME B16.11 - A105N MTE NREQD - R42FQC44W001 NREQD <plua300ck1 2=""> (L-77)</plua300ck1>	1/2	I10088243	1	
7 COUPLING ASME B16.11 3000# A105N SWE SWE - R01FNC441101 NREQD <fcpa300lbk1 2=""> (L-180)</fcpa300lbk1>	1/2	11651675	1	
FLANGES 8 SW FLANGE ASME B16.5 150# A105N RFFE SWE 125 - 250 AARH F02CDC44B105 S-XS	3/4	15378342	2	
<swfa300r153 4xs=""> (L-295) 9 SW FLANGE ASME B16.5 150# A105N RFFE SWE 125 - 250 AARH F02CDC44B105 S-XS</swfa300r153>	1/2	I5378341	2	
<\$WFA300R151/2X\$> (L-295) GASKETS				
10 SPIRAL WOUND GASKET ASME B16.20 150# RFTBE 304/GRAFOIL CARBON STEEL SS 304 ASME B16.5 G03GDP1IS12 <n a=""> (N/A)</n>	3/4	163508895	2	
11 SPIRAL WOUND GASKET ASME B16.20 150# RFTBE 304/GRAFOIL CARBON STEEL SS 304 ASME B16.5 G03GDP1IS12 <n a=""> (N/A) BOLTS</n>	1/2	163508894	2	
12 STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE 1010B0301	1/2	153437190	8	
13 STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE 1010B0301	1/2	153437179	8	
<u>VALVES / IN-LINE ITEMS.</u> 14 BALL VALVE API 608 150# A216-WCB RFFE 316/R-PTFE, GF B7/2H 125 - 250 AARH	3/4	I10013686	1	
2PSB-FULL BORE FLOATING BALL OHW ASME B16.5 V04JDC29BZZG NREQD <n a=""> (N/A</n>)			
15 BALL VALVE ASME B16.34 800# A105N SWE FTE 316/R-PTFE, GF 3PSB-RED BORE FLOATING BALL OHW FIRE SAFE :API 607 & ANTISTATIC DEVICES "A60T series"	1/2	I67130076	1	
TEAL V04JIC44126IG NREQD <n a=""> (N/A) 16 BALL VALVE API 608 150# A216-WCB RFFE 316/R-PTFE, GF B7/2H 125 - 250 AARH 2PSB-FULL BORE FLOATING BALL OHW ASME B16.5 V04JDC29BZZG NREQD <n a=""> (N/A)</n></n>	1/2	I10013685	1	
INSTRUMENTS	,			
17 INSTRUMENT COMPONENT	3/4	19-PI-40156	1	

Γ	REMARKS FOR MECHANICAL SUBCONTRACTOR:
l	1) LINES 1.1/2" AND SMALLER SHALL BE SUPPORTED IN FIELD IF NOT OTHERWISE INDICATED.
l	2) ALL DIMENSION AND PROPER CONFIGURATION FOR LINES NPS 1.1/2" AND SMALLER SHALL BE CHECKED IN FIELD BEFORE CONSTRUCTION.
l	3) FOR THE COMPONENTS MARKED AS FIELD WELDED WITH THIS SYMBOL 🗶 , ONE WELD FOR ADJUSTMENT OF IN LINE COMPONENT MUST BE LEFT
l	4) FOR EXTRA PIPE LENGTH REFER TO 4274-LZ-PC-00000603.
l	5) GUSSETING TO BE IMPLEMENTED BY MECHANICAL SUBCONTRACTOR AS PER 45-L-45-000-2-00-80004 / 4274-XH-SG-00000002.
l	6) CROSSING BETWEEN WELDS ON PIPELINE SHALL NOT BE ADMITTED.
l	7) IN CASE OF DISCREPANCIES BETWEEN DATA SHOWN ON ISO AND IN LINE LIST (AS APPLICABLE, DATA SHOWN IN LINE LIST GOVERN.
l	8) ACTUAL CUT LENGTH OF PIPE AND FIELD WELDS SHALL BE DEFINED BY MECHANICAL SUBCONTRACTOR (REF.TO 4274-LZ-PC-00000603).
l	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.

12-JAN-24

25-AUG-23

M.YADAV

U.CHAVAN

A=RESTING SUPPORT G=GUIDE F=AXIAL STOP B=AXCHOR M=SPRING S=TEFLON PAD WHERE A WITHOUT NUMBERING IS INDICATED, THIS MEANS THAT THERE IS A REST DIRECTLY ON STEEL STRUCTURE.

P.VAZE

P.VAZE

CHECK BY

G.PAGANONI

G.PAGANONI

APPR. BY

STRESS CALC. Nº

PIPE LAYOUT Nº

APPR. CLIENT

19-A-19-000-1-01-00001 sheet 51

19-L-19-000-2-00-86197 sheet 3

19-L-19-000-2-00-80602

Signature for construction is shown on Iso list of relevant CWA

ISSUED FOR

REFERENCE

ISOMETRIC DRAWING LINE INSULATION CODE / THK. (mm) 3/4"-FO-40Z19-1C17

CS

PAINTING SCHEME (3)

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 HEAT TREATMENT (PWHT)

5. CODE SHOWN IN BOM BETWEEN "<" & ">" DENOTES REPSOL UNICODE. "<N/A>" MEANS UNICODE IS "NOT AVAILABLE"

DRAWING NUMBER 19-000-2-02-00001 sheet 2121FO40Z19-1

CONTRACTOR: CONTRACTOR DRAWING NUMBER: PROJECT: 4001008 PIPING CLASS 4274-XH-DL-2121FO40Z19-1

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

01

FILENAME: 19-000-2-02-00001 sheet 2121FO40Z19-1.dwg