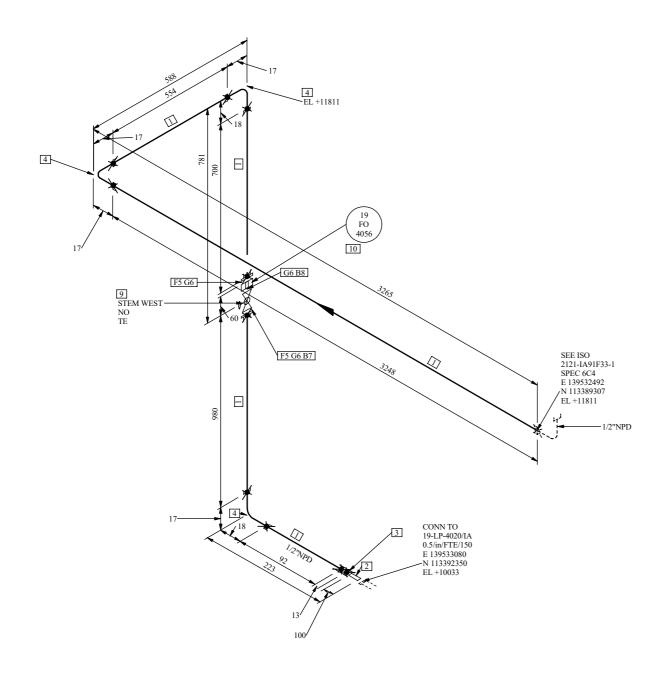
REV.

SUPPORTS LEGEND:



BILL OF MATERIAL						
PT	) COMPONENT DESCRIPTION	N.S. (IN)	ITEM CODE	QTY.	HOLD STATUS	
PII 1	PIPE - A312-TP304/304L DUAL GR PE SMLS T01AL2CZ02 S-40S <pipb04da21 240s=""> (L-PIP111)</pipb04da21>	1/2	12257937	5.5 M		
ΕIJ	TINGS.					
2	NIPPLE A312-TP304/304L DUAL GR PE MTE SMLS LENGTH 100mm R03AQL2CZW04 S-80S <ntob04de2100424> (L-NTO09)</ntob04de2100424>	1/2	12258067	1		
3	COUPLING ASME B16.11 3000# A182-F304/304L DUAL GR SWE SWE - R01FNL2A1101 NREQD <fcpb450lbk1 2=""> (L-FCP08)</fcpb450lbk1>	1/2	12258103	1		
4	90 ELBOW ASME B16.11 3000# A182-F304/304L DUAL GR SWE SWE - R31FNL2A1103 NREQD <90FB450LBK1/2> (L-90F05)	1/2	12258115	3		
FL	ANGES					
5	SW FLANGE ASME B16.5 150# A182-F304/304L DUAL GR RFFE SWE 125 - 250 AARH	1/2	I2260361	2		
_	F02CDL2AB105 S-40S <swfb450r151 240s=""> (L-SWF30)</swfb450r151>					
	<u>ISKETS</u> SPIRAL WOUND GASKET ASME B16.20 150# RFTBE 304/GRAFOIL SS 304 SS 304 ASME  B16.5 G03GDP11S04 < N/A> (N/A)	1/2	I1654480	3		
BC	DLTS					
7	STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B8M CL2/A194-8MA INCH SIZE I010B1601 <sb2r58g1 2="" 221=""> - 2 NUTS PER BOLT - 60 mm Length</sb2r58g1>	1/2	163801399	4		
8	STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B8M CL2/A194-8MA INCH SIZE  I010B1601 <sb2r58g1 2="" 221=""> - 2 NUTS PER BOLT - 65 mm Length</sb2r58g1>	1/2	I63801410	4		
VΔ	LVES / IN-LINE ITEMS.					
	BALL VALVE API 608 150# A351-CF8M RFFE 316/R-PTFE, GF A193-B8M CL2/8MA 125 - 250 AARH 2PSB-FULL BORE FLOATING BALL OHW ASME B16.5 V04JDL08B05C NREQD	1/2	163782952	1		
TN 74	<b41_2l-al082> (L-AL082)</b41_2l-al082>					
	STRUMENTS  DISTRIBUTE COMPONENT	1/2	10 FO 4056	1		
10	INSTRUMENT COMPONENT	1/2	19-FO-4056	1		

ARKS FOR MECHANICAL SUBCONTRACTOR:	
IES 1.1/2" AND SMALLER SHALL BE SUPPORTED IN FIELD IF NOT OTHERWISE INDICATED.	ISSUED FOR
L DIMENSION AND PROPER CONFIGURATION FOR LINES NPS 1.1/2" AND SMALLER SHALL BE CHECKED IN FIELD BEFORE CONSTRUCTION.	ISSULDION
R THE COMPONENTS MARKED AS FIELD WELDED WITH THIS SYMBOL ズ , ONE WELD FOR ADJUSTMENT OF IN LINE COMPONENT MUST BE LEFT	DEFEDENCE
R EXTRA PIPE LENGTH REFER TO 4274-LZ-PC-00000603.	REFERENCE
SSETING TO BE IMPLEMENTED BY MECHANICAL SUBCONTRACTOR AS PER 45-L-45-000-2-00-80004 / 4274-XH-SG-00000002.	
OSSING BETWEEN WELDS ON PIPELINE SHALL NOT BE ADMITTED.	
CASE OF DISCREPANCIES BETWEEN DATA SHOWN ON ISO AND IN LINE LIST (AS APPLICABLE, DATA SHOWN IN LINE LIST GOVERN.	
TUAL CUT LENGTH OF PIPE AND FIELD WELDS SHALL BE DEFINED BY MECHANICAL SUBCONTRACTOR (REF.TO 4274-LZ-PC-00000603).	

STRESS CALC. Nº

Signature for construction is shown on Iso list of relevant CWA

ISOMETRIC DRAWING PED CATEGORY LINE INSULATION CODE / THK. (mm) 1/2"-IA-91F33-6C4

PIPE MATERIAL NOTES: 1. FOR TECHNICAL DETAILS SEE LINE LIST.

CONTRACTOR:

ANNEX 19

304, dual grade

HEAT TREATMENT (PWHT)

PAINTING SCHEME (3)

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

CONTRACTOR DRAWING NUMBER:

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

NR 4001008 PIPING CLASS 4274-XH-DL-2121IA91F33-2 WELDING CLASS (4) LOW LINEAL DENSITY POLYETHILENE (PEL)

AND POLYPROPYLENE (PP) PLANTS FOR PROJECT - ALBA PROJECT REPSQL Art 4.3

CLIENT / COMPLEX REPSOL POLYMEROS/ SINES INDUSTRIAL COMPLEX

00

PROJECT:

FILENAME: 19-000-2-02-00001 sheet 2121IA91F33-2.dwg

19-A-19-000-1-01-00001 sheet 38 ISSUED FOR REFERENCE 21-JUL-23 U.CHAVAN P.VAZE G.PAGANONI 19-L-19-000-2-00-80602 PIPE LAYOUT Nº DESCRIPTION CHECK BY APPR. BY 19-L-19-000-2-00-86197 sheet 3

DENOTES PARTS LIST NO PIPE — A=RESTING SUPPORT G=GUIDE F=AXIAL STOP B=ANCHOR M=SPRING S=TEFLONPAD WHERE WITHOUT NUMBERING IS INDICATED, THIS MEANS THAT THERE IS A REST DIRECTLY ON STEEL STRUCTURE.

DRAWING NUMBER 19-000-2-02-00001 sheet 2121IA91F33-2