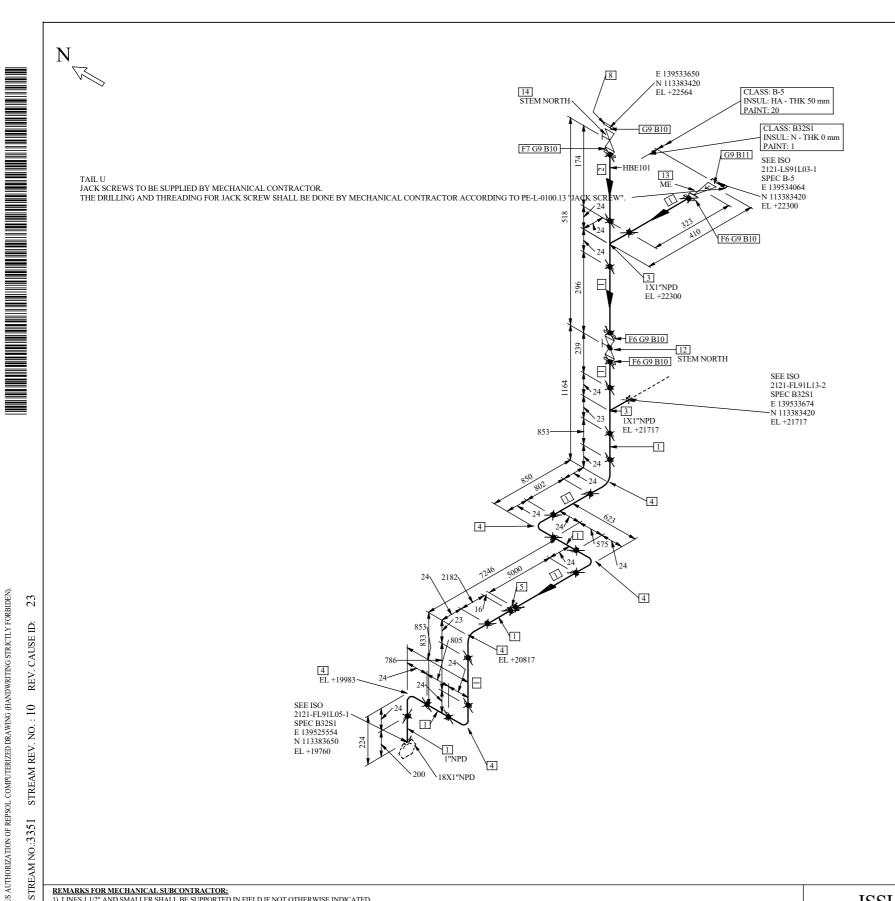
REMARKS FOR MECHANICAL SUBCONTRACTOR:

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 - A333-6 PE SMLS T01AC22Z02 S-XS < PIPL020A11XS > (L-PIP01) I146392 11.9 M PIPE - A333-6 PE SMLS T01AC22Z02 S-XS < PIPL020A11XS > (L-PIP01). I146392 0.2 M TEE ASME B16.11 3000# A350-LF2 Class 1 SWE SWE - R11FNC071101 NREQD I213733 90 ELBOW ASME B16.11 3000# A350-LF2 Class 1 SWE SWE - R31FNC071103 NREQD I213763 <90FL300LBK1>(L-7900) COUPLING ASME B16.11 3000# A350-LF2 Class 1 SWE SWE - R01FNC071101 NREQD I213067 <FCPL300LBK1> (L-6599) SW FLANGE ASME B16.5 150# A350-LF2 Class 1 RFFE SWE 125 - 250 AARH 1820467 F02CDC07B105 S-XS <SWFL300R151XS> (L-7970) SW FLANGE ASME B16.5 150# A350-LF2 Class 1 RFFE SWE 125 - 250 AARH 1820467 F02CDC07B105 S-XS <SWFL300R151XS> (L-7970). BLIND FLANGE ASME B16.5 150# A350-LF2 Class 1 RFFE NREQD 125 - 250 AARH I560222 F10CDC07B005 < BLFL300R151 > (L-7972). 11655197 FLAT RING GASKET ASME B16.21 150# RFTBE NA/CARBON/NBR ASME B16.5 G02HDP2QS01 < NMGQ102R1F1 > (L-NMG17) 0 STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A320-L7/A194-7 INCH SIZE I010B5301 155704809 <SB2R55G1/221/2> - 2 NUTS PER BOLT - 65 mm Length STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A320-L7/A194-7 INCH SIZE 1010B5301 155704820 <SB2R55G1/223/4> - 2 NUTS PER BOLT - 70 mm Length VALVES / IN-LINE ITEMS 2 GLOBE VALVE API 602 150# A350-LF2 Class 1 RFFE 10-316 API 602 L7/7 125 -I63584685 250 AARH BB-OS&Y API 602 HW ASME B16.5 V02GDC07B70A NREQD <A41L-AL036 (L-AL036) 3 SWING CHECK VALVE BS 1868 150# A350-LF2 Class 1 RFFE 10-316 BS 1868 L7/7 I63584754 125 - 250 AARH BC ASME B16.5 V21EDC07B0P6 NREOD <S41L-AL123> (L-AL123) GATE VALVE API 602 150# A350-LF2 Class 1 RFFE 10-316 API 602 L7/7 125 - 250 I63584654 AARH BB-OS&Y SOW API 602 HW ASME B16.5 V01GDC07BHX1 NREQD <G41L-AL011>

	2) ALL	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.									
i I ·	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.								5
	PIPE - A-DESTRUCTIONORY C-CHIEF F-AVAILATION D-AVCHOR M-CORDING C-TETLAVIAD								
SUPPORTS LEGEND: DENOTES PARTS LIST NO SUPPORT G=GUIDE 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.									
where a without numbering is indicated, this means that there is a rest directly on steel structure.								. STRUCTURE.	
!								STRESS CALC. Nº	TI
								_	
i								D A VD	1
. 0	1	ISSUED FOR REFERENCE	22-DEC-23	M.YADAV	P.VAZE	G.PAGANONI		P&ID	_
! _								19-A-19-000-1-01-00001 sheet 109	
		ISSUED FOR REFERENCE	23-JUN-2023	M.YADAV	P.VAZE	G.PAGANONI		LINE LIST Nº	
0	0							19-L-19-000-2-00-80602	
								PIPE LAYOUT Nº	1
]	REV.	DESCRIPTION	DATE	DRW. BY	CHECK BY	APPR. BY	APPR. CLIENT	19-L-19-000-2-00-86196 sheet 5	
- ↓								119-L-19-000-2-00-80190 Sheet 3	

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

ISSUED FOR

WELDING CLASS (4) ISOMETRIC DRAWING PED CATEGORY LINE INSULATION CODE / THK. (mm) 1"-FL-91L13-B32S1

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

ANNEX

CS, low temperature

B32S1

HEAT TREATMENT (PWHT)

PAINTING SCHEME (3)

PIPING CLASS

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"

CONTRACTOR: CONTRACTOR DRAWING NUMBER: PROJECT:

4274-XH-DL-2121FL91L13-1

LOW LINEAL DENSITY POLYETHILENE (PEL) AND POLYPROPYLENE (PP) PLANTS FOR PROJECT - ALBA PROJECT REPSQL Art 4.3

DRAWING NUMBER

CLIENT / COMPLEX REPSOL POLYMEROS/ SINES INDUSTRIAL COMPLEX

01

4001008

FILENAME: 19-000-2-02-00001 sheet 2121FL91L13-1.dwg

19-000-2-02-00001 sheet 2121FL91L13-1