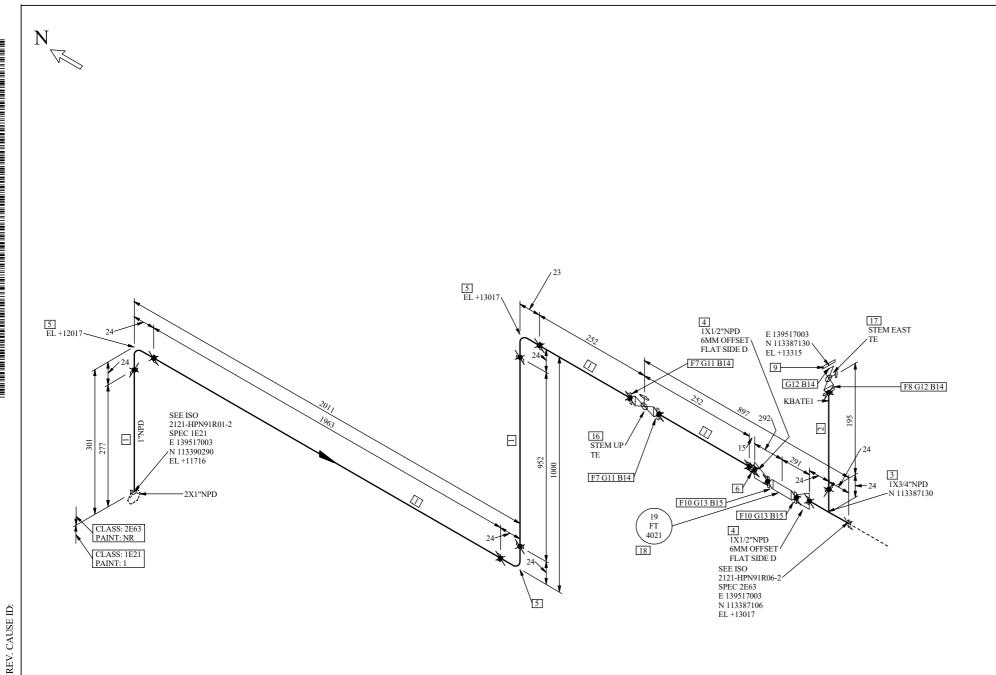
. No. : 7

STREAM REV.

STREAM NO.:4214

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 - A312-TP304/304L DUAL GR PE SMLS T01AL2CZ02 S-40S < PIPB04DA2140S > I2257939 (L-PIP111) PIPE - A312-TP304/304L DUAL GR PE SMLS T01AL2CZ02 S-40S < PIPB04DA23/440S I2257938 0.1 M (L-PIP111) TITTINGS REDUCING TEE ASME B16.11 3000# A182-F304/304L DUAL GR SWE SWE -1X3/4 12258205 R12FNL2A1101 NREQD < RTEB450LBK13/4> (L-RTE18) ECCENTRIC SWAGE MSS SP-95 - A182-F304/304L DUAL GR PE PE SMLS SCH1-40S 149166458 SCH2-40S R22FOL2AZZ04 <ESWB04DAR12011001> (L-ESW23) 90 ELBOW ASME B16.11 3000# A182-F304/304L DUAL GR SWE SWE - R31FNL2A1103 I2258117 NREOD < 90FB450LBK 1> (L-90F05) COUPLING ASME B16.11 3000# A182-F304/304L DUAL GR SWE SWE - R01FNL2A1101 I2258105 NREQD <FCPB450LBK1> (L-FCP08) LANGES SW FLANGE ASME B16.5 300# A182-F316/316L DUAL GR RFFE SWE 125 - 250 AARH I2500941 F02CFL1MB105 S-40S <SWFB34DR35140S> (L-SWF37) SW FLANGE ASME B16.5 300# A182-F316/316L DUAL GR RFFE SWE 125 - 250 AARH I2500940 F02CFL1MB105 S-40S < SWFB34DR353/440S > (L-SWF37) BLIND FLANGE ASME B16.5 300# A182-F316/316L DUAL GR RFFE NREQD 125 - 250 I2254550 AARH F10CFL1MB005 < BLFB34DR353/4 > (L-BLF36) SW FLANGE ASME B16.5 300# A182-F316/316L DUAL GR RFFE SWE 125 - 250 AARH I2500939 F02CFL1MB105 S-40S <SWFB34DR351/240S> (L-SWF37) ASKETS SPIRAL WOUND GASKET ASME B16.20 300# RFTBE 304/PTFE SS 304 SS 304 ASME I219568 B16.5 G03GFP1IG04 < N/A > (N/A) SPIRAL WOUND GASKET ASME B16.20 300# RFTBE 304/PTFE SS 304 SS 304 ASME I219567 B16.5 G03GFP1IG04 < N/A > (N/A) 3 SPIRAL WOUND GASKET ASME B16.20 300# RFTBE 304/PTFE SS 304 SS 304 ASME I219566 B16.5 G03GFP1IG04 < N/A > (N/A) 4 STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A320-L7/A194-7 INCH SIZE I010B5301 155705037 <SB2R55G5/831/4> - 2 NUTS PER BOLT - 80 mm Length STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A320-L7/A194-7 INCH SIZE I010B5301 <SB2R55G1/221/2> - 2 NUTS PER BOLT - 65 mm Length VALVES / IN-LINE ITEMS 6 BALL VALVE ASME B16.34 300# A351-CF8M RFFE 316/R-PTFE, GF A193-B8M CL2/8MA 164815734 125 - 250 AARH 2PSB-FULL BORE FLOATING BALL OHW ASME B16.5 V04JFL08B05C BALL VALVE ASME B16.34 300# A351-CF8M RFFE 316/R-PTFE, GF A193-B8M CL2/8MA 164815733 125 - 250 AARH 2PSB-FULL BORE FLOATING BALL OHW ASME B16.5 V04JFL08B05C NREOD <N/A> (N/A) INSTRUMENTS 18 INSTRUMENT COMPONENT 19-FT-4021

	2) ALL	ALL DIMENSION AND PROPER CONFIGURATION FOR LINES NPS 1.1/2" AND SMALLER SHALL BE CHECKED IN FIELD BEFORE CONSTRUCTION.							
		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).									
3	-,) ACTUAL CUT LENGTH OF PIPE AND FIELD WELDS SHALL BE DEFINED BY MELHANICAL SUBCONTRACTOR (REF. 10 42/4+LZ-Pt00000003). WHERE EARTHING BONDING IS REQUIRED, MECHANICAL SUBCONTRACTOR TO PERFORM IT BASED ON DOC. 457-P-000-7-06-00909/2 4274 -NN-DW-00000002 AND ASSEMBLY NO FEA005 AND FE019.							~
.	9) WIII	WHERE EACHING BONDING IS REQUIRED, RECHARGED SOBCOTHERE FOR TO LERE ORBITE BASED OF DOC. 43-7-400-7-40-000002 42-7-11-11-W-40000002 AND ASSEMBLE INCIDENCE AND FEMTO.							_ S
į	CHIDDO	PORTS LEGEND: DENOTES PARTS LIST NO PIPE — A = RESTING SUPPORT G = GUIDE F = AVIAL STOP B = ANCHOR M = SPRING S = TEPLON PAD WILEDED ANALY OF THE DESCRIPTION OF THE SPRING S = TEPLON PAD WILEDED ANALY OF THE DESCRIPTION OF THE SPRING S = TEPLON PAD WILEDED ANALY OF THE SPRING S = TEPLON PAD WILED ANALY OF THE SPRING S							
í	SULL	SUPPORTS LEGEND: SUPPORT — WHERE A WITHOUT NUMBERING IS INDICATED, THIS MEANS THAT THERE IS A REST DIRECTLY ON STEEL STRUCTURE.							
† [STRESS CALC. Nº	TIT
								-	
>								P&ID	1 I
i								19-A-19-000-1-01-00001 sheet 114	*
EAIR. DAI			07-APR-23					LINE LIST Nº	1
	00	ISSUED FOR REFERENCE		U.CHAVAN	P.VAZE	G.PAGANONI		19-L-19-000-2-00-80602	
		DESCRIPTION		DRW. BY	CHECK BY	APPR. BY	ADDD CLIENT	PIPE LAYOUT Nº	1
	REV.							19-L-19-000-2-00-86196 sheet 4	

Signature for construction is shown on Iso list of relevant CWA

ISSUED FOR

REFERENCE

ISOMETRIC DRAWING LINE

1"-HPN-91R06-2E63

NOTES: 1. FOR TECHNICAL DETAILS SEE LINE LIST.

ANNEX

CS, low temperature

INSULATION CODE / THK. (mm)

NR

2E63

HEAT TREATMENT (PWHT)

PAINTING SCHEME (3)

PIPING CLASS

2. FOR VENT, DRAIN OR INSTRUMENT CONNECTION DETAILS SEE 45-L-45-000-2-00-80102

DRAWING NUMBER

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-2121HPN91R06-1

CONTRACTOR: CONTRACTOR DRAWING NUMBER: PROJECT:

19-000-2-02-00001 sheet 2121HPN91R06-1

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

CLIENT / COMPLEX REPSOL POLYMEROS/ SINES INDUSTRIAL COMPLEX

4001008

00

FILENAME: 19-000-2-02-00001 sheet 2121HPN91R06-1.dwg