Special
ALLIGNMENT BOLTS SUPPLIED BY VALVE VENDOR TRACE: F4 G9 UNDEFINED F4 G9 B11 SEE ISO 2121-VRG52A10-1 S5 5244 G POS: 1 SEE ISO 7111-VRG52A10-1 SPEC C-42 N 113399038 F 139513200 N 113400315 F4 G9

BILL OF MATERIAL HOLD COMPONENT DESCRIPTION ITEM CODE STATUS PIPE - A333-6 BE SMLS T01AC22V02 S-STD < PIPL020B14STD > (L-8199) I146310 0.4 M PIPE - A333-6 BE SMLS T01AC22V02 S-STD < PIPL020B14STD > (L-8199). I146310 4.2 M 90 LR ELBOW ASME B16.9 A420-WPL6 BE SMLS C01DC09V01 S-STD <90LL210F34STD> I213646 FLANGES WN FLANGE ASME B16.5 300# A350-LF2 Class 1 RFFE BE 125 - 250 AARH I219623 F01CFC07BV05 S-STD <WNFL300R354STD> (L-7981). PIPE SUPPORTS CLAMPED GUIDE, COLD INS.-F2G1 H=150 L=300 5244 STAKES SUPPORTS ST02 HEA120 5244 5245 RESTING SHOE CLAMPED, COLD INS. -F2A1 H=150 L=300 STAKES SUPPORTS ST01 HEA100 5245 SPIRAL WOUND GASKET ASME B16.20 300# RFTBE 316/GRAP LTCS SS 316 ASME B16.5 4 I46364709 G03GFP1IAG8 < N/A > (N/A) 10 STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A320-L7/A194-7 INCH SIZE I010B5301 155705101 <SB2R55G3/473/4> - 2 NUTS PER BOLT - 195 mm Length STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A320-L7/A194-7 INCH SIZE I010B5301 155705106 <SB2R55G3/483/4> - 2 NUTS PER BOLT - 220 mm Length ALVES / IN-LINE ITEMS 12 TILTING CHECK LUG ASME B16.34 300# A352-LCC RFTBE DISC:DI SEAT:PEEK 125 -166040865 250 AARH ASME B16.5 V49JFC82P13 NREQD <N/A> (N/A). DISC CHECK WER VALVE ASME B16 34 300# A352-LCC RETBE 316/PEEK 125 - 250 166040922 AARH SL VERTICAL&HORIZONTAL CRACKING PRESSURE AT 4.25 PSI ASME B16.5 V40JFC82P12 NREQD < N/A > (N/A).

- 1									
13:14:26 STRI	1) LINI 2) ALL 3) FOR 4) FOR 5) GUS 6) CRC 7) IN C 8) ACT	EMARKS FOR MECHANICAL SUBCONTRACTOR: LINES 1.1/2" AND SMALLER SHALL BE SUPPORTED IN FIELD IF NOT OTHERWISE INDICATED. 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 X, ONE WELD FOR ADJUSTMENT OF IN LINE COMPONENT MUST BE LEFT FOR EXTRA PIPE LENGTH REFER TO 4274-LZ-PC-00000603. GUSSETING TO BE IMPLEMENTED BY MECHANICAL SUBCONTRACTOR AS PER 45-L-45-000-2-00-80004 / 4274-XH-SG-00000002. CROSSING BETWEEN WELDS ON PIPELINE SHALL NOT BE ADMITTED. IN CASE OF DISCREPANCIES BETWEEN DATA SHOWN ON ISO AND IN LINE LIST (AS APPLICABLE, DATA SHOWN IN LINE LIST GOVERN. ACTUAL CUT LENGTH OF PIPE AND FIELD WELDS SHALL BE DEFINED BY MECHANICAL SUBCONTRACTOR (REF.TO 4274-LZ-PC-00000603). 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
-2023	SUPPO	SUPPORTS LEGEND: DENOTES PARTS LIST NO PIPE — A-RESTING 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.							
07-04								STRESS CALC. N° REP-PE-031	TITI
								P & ID 19-A-19-000-1-01-00001 sheet 53	
Ď	00	ISSUED FOR CONSTRUCTION	07-APR-2023	M.YADAV	P.VAZE	G.PAGANONI		LINE LIST N° 19-L-19-000-2-00-80602	
EXTR.	REV.	DESCRIPTION	DATE	DRW. BY	CHECK BY	APPR. BY	APPR. CLIENT	PIPE LAYOUT N° 19-L-19-000-2-00-86197 sheet 2	

CONSTRUCTION

APPROVED FOR

Signature for construction is shown on Iso list of relevant CWA

ISOMETRIC DRAWING LINE

NOTES: 1. FOR TECHNICAL DETAILS SEE LINE LIST.

ANNEX

PIPE MATERIAL

CS, low temperature

INSULATION CODE / THK. (mm)

HEAT TREATMENT (PWHT)

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

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

PAINTING SCHEME (3) CONTRACTOR: CONTRACTOR DRAWING NUMBER: PROJECT: PIPING CLASS 4001008 4274-XH-DL-2121VRG52A10-2 C-42

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

CLIENT / COMPLEX REPSOL POLYMEROS/ SINES INDUSTRIAL COMPLEX DRAWING NUMBER

00

FILENAME: 19-000-2-02-00001 sheet 2121VRG52A10-2.dwg

4"-VRG-52A10-C-42 (CG)

19-000-2-02-00001 sheet 2121VRG52A10-2