REMARKS FOR MECHANICAL SUBCONTRACTOR:

TE
ALLIGNMENT BOLTS SUPPLIED BY VALVE VENDOR F3 G4 B5 SEE ISO 2121-FO40Z21-1 SPEC 1C17 F3 G4 B5 E 139521619 F3 G4 B5 N 113388400 EL +13011 T STEM SOUTH 1/2X1/2"NPD

BILL OF MATERIAL HOLD STATUS COMPONENT DESCRIPTION ITEM CODE QTY PIPE - A106-B PE SMLS T01AC03Z02 S-XS < PIPA010A11/2XS> (L-6679) I132777 90 ELBOW ASME B16.11 3000# A105N SWE SWE - R31FNC441103 NREQD I1651295 <90FA300LBK1/2>(L-178) FLANGES SW FLANGE ASME B16.5 150# A105N RFFE SWE 125 - 250 AARH F02CDC44B105 S-XS 15378341 <SWFA300R151/2XS> (L-295) SPIRAL WOUND GASKET ASME B16.20 150# RFTBE 304/GRAFOIL CARBON STEEL SS 304 1/2 163508894 ASME B16.5 G03GDP1IS12 <N/A> (N/A) I53437179 STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE I010B0301 <SB2R51G1/221/2> - 2 NUTS PER BOLT - 60 mm Length STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE I010B0301 I53437223 <SB2R51G1/231/4> - 2 NUTS PER BOLT - 80 mm Length ALVES / IN-LINE ITEMS BALL VALVE API 608 150# A216-WCB RFFE 316/R-PTFE, GF B7/2H 125 - 250 AARH I10013685 2PSB-FULL BORE FLOATING BALL OHW ASME B16.5 V04JDC29BZZG NREQD <N/A> (N/A) DISC CHECK WFR VALVE ASME B16.34 150# A216-WCB RFTBE 316/R-PTFE, GF 125 -I10016146 250 AARH SL VERTICAL&HORIZONTAL CRACK. PRESS. 1/2 PSI ASME B16.5 V40JDC29P01 NREQD <N/A> (N/A)

1	1) LINI	1) LINES 1.1/2" AND SMALLER SHALL BE SUPPORTED IN FIELD IF NOT OTHERWISE INDICATED.								
	2) 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. 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										
	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.									
: F		DIDE A DECEMBED	COURT	٦ ٢						
;	SUPPO	PPORTS LEGEND: DENOTES PARTS LIST NO PIPE A=RESTING SUPPORT G=GUIDE F=AXIAL STOP B=ANCHOR M=SPRING S=TEHLON PAD WHERE WITHOUT NUMBERING IS INDICATED, THIS MEANS THAT THERE IS A REST DIRECTLY ON STEEL STRUCTURE.								
١L		WHEREIA WITHO	WHEREIA WITHOUT NUMBERING IS INDICATED, THIS MEANS THAT THERE IS A REST DIRECTLY ON STEEL STRUCTURE.							
3								STRESS CALC. Nº	TI	
								_		
i ⊢									- 1	
. [P&ID	1	
! L								19-A-19-000-1-01-00001 sheet 45	┙	
00			25-AUG-23	U.CHAVAN	P.VAZE	G.PAGANONI		LINE LIST Nº		
	00	ISSUED FOR REFERENCE						19-L-19-000-2-00-80602		
:								PIPE LAYOUT Nº	7	
	REV.	DESCRIPTION	DATE	DRW. BY	CHECK BY	APPR. BY	APPR. CLIENT	19_I _19_000_2_00_86196 sheet 4		

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

1/2"-FO-40P22-1C17

ISSUED FOR

ISOMETRIC DRAWING LINE INSULATION CODE / THK. (mm)

NOTES: 1. FOR TECHNICAL DETAILS SEE LINE LIST.

ANNEX

PIPE MATERIAL

HEAT TREATMENT (PWHT)

CS

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

19-000-2-02-00001 sheet 2121FO40P22-1

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-2121FO40P22-1

DRAWING NUMBER

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

CLIENT / COMPLEX REPSOL POLYMEROS/ SINES INDUSTRIAL COMPLEX

00

FILENAME: 19-000-2-02-00001 sheet 2121FO40P22-1.dwg