REV. CAUSE ID:

REMARKS FOR MECHANICAL SUBCONTRACTOR:

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.

6 1.1/2X3/4"NPD E 139515907 7111-DW69C10-SPEC B-13 E 139513200 N 113390625 EL +7624 1.1/2"NPD SEE ISO 2121-DW69C10-24 SPEC B-13 E 139524375 N 113391338 EL +3574

BILL OF MATERIAL HOLD COMPONENT DESCRIPTION ITEM CODE QTY STATUS (IN) PIPE - A53-B GALV MTE SMLS T01AC11W02 S-XS < PIPG010C111/2XS > (N/A) I145610 15.2 M REDUCING TEE ASME B16.11 3000# A105 GALV FTE FTE - R12FNC022201 NREQD 1.1/2X3/4 I214976 <RTEG300KBK11/23/4> (L-RTE01) 90 ELBOW ASME B16.11 3000# A105 GALV FTE FTE - R31FNC022203 NREQD I214922 <90TG300KBK11/2> (L-8907) COUPLING ASME B16.11 3000# A105 GALV FTE FTE - R01FNC022201 NREQD 1.1/2 I214899 <FCPG300KBK11/2> (L-8910) NIPPLE - - A106-B GALV MTE MTE SMLS R03AQC12WW01 S-XS <NTBG010D1111624> I1173414 CAP ASME B16.11 3000# A105 GALV FTE NREQD - R41FNC022001 NREQD 1215056

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). 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.  SUPPORTS LEGEND:  □ DENOTES PARTS LIST NO PIPE A-RESTING SUPPORT G=GUIDE F=AXIALSTOP B=AXCHOR M=SPRING S=TEHLONPAD WHERE A WITHOUT NUMBERING IS INDICATED, THIS MEANS THAT THERE IS A REST DIRECTLY ON STEEL STRUCTURE.									Si
									SI
								STRESS CALC. Nº	TITI
								P & ID 19-A-19-000-1-01-00001 sheet 118	] 13
	00	ISSUED FOR REFERENCE	01-SEP-23	U.CHAVAN	P.VAZE	G.PAGANONI		LINE LIST N° 19-L-19-000-2-00-80602	
	REV.	DESCRIPTION	DATE	DRW. BY	CHECK BY	APPR. BY	APPR. CLIENT	PIPE LAYOUT N° 19-L-19-000-2-00-86197 sheet 1	

Signature for construction is shown on Iso list of relevant CWA

**ISSUED FOR** 

REFERENCE

PIPE MATERIAL

PIPING CLASS

CS, Galvanized

HEAT TREATMENT (PWHT)

INSULATION CODE / THK. (mm)

NR

ISOMETRIC DRAWING LINE

1-1/2"-DW-69C10-B-13 (IS)

NOTES: 1. FOR TECHNICAL DETAILS SEE LINE LIST.

ANNEX

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:

4274-XH-DL-2121DW69C10-1 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

DRAWING NUMBER 19-000-2-02-00001 sheet 2121DW69C10-1 00