REV. CAUSE ID:

STREAM REV. NO.: 7

STREAM NO.:4203

REMARKS FOR MECHANICAL SUBCONTRACTOR:

1) LINES 1.1/2" AND SMALLER SHALL BE SUPPORTED IN FIELD IF NOT OTHERWISE INDICATED.

DESCRIPTION

ISSUED FOR CONSTRUCTION

REV.

SEE ISO 2121-LPN49A01-4 SPEC 1C13 N 113383799 SEE ISO 2121-LPN49A01-2 E 139525524 EL +1016 SEE ISO 2121-LPN91S10-2 SPEC 1C13 E 1395255201 E 139525524 N 113383799 F2 G6 FLAT SIDE D ALLIGNMENT BOLTS SUPPLIED BY VALVE VENDOR

BILL OF MATERIAL HOLD COMPONENT DESCRIPTION ITEM CODE QTY STATUS (IN) FITTINGS ECCENTRIC SWAGE MSS SP-95 - A234-WPB BE PE SMLS SCH1-STD SCH2-XS 1920266 R22FQC04VZ15 <ESWA010GR14151216> (L-ESW27) WN FLANGE ASME B16.5 150# A105N RFFE BE 125 - 250 AARH F01CDC44BV05 S-STD 15355795 PIPE - A106-B PE SMLS T01AC03Z02 S-XS < PIPA010A11XS > (L-6679) I132793 0.2 M REDUCING TEE ASME B16.11 3000# A105N SWE SWE - R12FNC441101 NREQD 11651305 1X3/4 <RTEA300KBK13/4> (L-RTE15) LANGES SW FLANGE ASME B16.5 300# A105N RFFE SWE 125 - 250 AARH F02CFC44B105 S-XS I4217823 <SWFA300R351XS>(L-375) ASKETS SPIRAL WOUND GASKET ASME B16.20 150# RFFE 304/PTFE CARBON STEEL SS 304 ASME $\,2\,$ I2230484 B16.5 G03GDB1IG12 < SPAO505R1EA2 > (L-SPA04) DISC CHECK WFR VALVE ASME B16.34 150# A216-WCB RFTBE 316/R-PTFE, GF 125 -110016150 250 AARH SL VERTICAL&HORIZONTAL CRACK. PRESS. 1/2 PSI ASME B16.5 V40JDC29P01 NREOD <N/A> (N/A)

-2023 07:19:20	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 X, 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 pper — A=resting support G=glide F=axial stop B=anchor M=spring S=tellon pad where A=without numbering is indicated, this means that there is a rest directly on steel structure.							
6							STRESS CALC. Nº	TI
15							-	
ji							P & ID 19-A-19-000-1-01-00001 sheet 57	

U.CHAVAN

P.VAZE

CHECK BY

G.PAGANONI

APPR. BY

APPR. CLIENT

19-L-19-000-2-00-80602

19-L-19-000-2-00-86196 sheet 1

14-APR-23

CONSTRUCTION HEAT TREATMENT (PWHT) Signature for construction is shown on Iso list of relevant CWA ISOMETRIC DRAWING

APPROVED FOR

LINE

2"-LPN-49A01-1C13

PIPE MATERIAL

CS

PAINTING SCHEME (3) CONTRACTOR: PIPING CLASS 1C13

ANNEX

NOTES: 1. FOR TECHNICAL DETAILS SEE LINE LIST. 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"

19-000-2-02-00001 sheet 2121LPN49A01-1

CONTRACTOR DRAWING NUMBER: PROJECT: 4001008 4274-XH-DL-2121LPN49A01-1

WELDING CLASS (4) LOW LINEAL DENSITY POLYETHILENE (PEL) AND POLYPROPYLENE (PP) PLANTS PED CATEGORY FOR PROJECT - ALBA PROJECT Art 4.3 REPSQL INSULATION CODE / THK. (mm)

CLIENT / COMPLEX REPSOL POLYMEROS/ SINES INDUSTRIAL COMPLEX

00