STREAM REV. NO.: 9

REMARKS FOR MECHANICAL SUBCONTRACTOR:

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

STREAM NO.:3150

SEE ISO 2121-LS91A31-2 SPEC B-5 E 139531650 N 113389069 EL +5568 HA - THK 50 mm E 139531650 N 113389215 EL +5422 HA - THK 40 mm 19-US-2121-07 EL +5470 STEM NORTH

BILL OF MATERIAL HOLD STATUS COMPONENT DESCRIPTION ITEM CODE QTY (IN) PIPE - A106-B PE SMLS T01AC03Z02 S-XS < PIPA010A11XS > (L-6679) I132793 1.3 M PIPE - A106-B PE SMLS T01AC03Z02 S-XS < PIPA010A13/4XS > (L-6679) I132785 0.3 M REDUCING TEE ASME B16.11 3000# A105N SWE SWE - R12FNC441101 NREQD 1X3/4 I1651305 <RTEA300KBK13/4> (L-RTE15) 45 ELBOW ASME B16.11 3000# A105N SWE SWE - R32FNC441101 NREQD 11651292 <45FA300LBK1> (L-184) NIPPLE - - A106-B PE MTE SMLS LENGTH 100mm R03AQC03ZW04 S-160 I2221187 <NTOA010E1120324> (L-7881) SP-04-291A0-20 1 45 ELBOW ASME B16.11 3000# A105N SWE SWE - R32FNC441101 NREOD 11651294 <45FA300LBK3/4> (L-184) NIPPLE - - A106-B PE MTE SMLS LENGTH 100mm R03AQC03ZW04 S-160 12221177 <NTOA010E1110324> (L-7881) CAP ASME B16.11 3000# A105N FTE NREQD - R41FNC442001 NREQD <CATA300KBK3/4> 3/4 I1651686 10 GLOBE VALVE API 602 800# A 105N SWE SWE 5-HARDFACED API 602 B7/2H BB-OS&Y I11426473 API 602 HW V02GIC441162 NREQD < A61L-296> (L-296) GATE VALVE API 602 800# A105N SWE SWE 5-HARDFACED API 602 B7/2H BB-OS&Y SOW 3/4 I11426464 API 602 HW V01GIC441111 NREQD < G63_4L-6566> (L-6566)

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).							
9) WH	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.							
SUPPOPTS LECEND. TDENOTES PARTS LIST NO PIPE A=RESTING SUPPORT G=GLIDE F=AXIALSTOP B=ANCHOR M=SPRING S=TEFLON PAD								Si
SUPP	SUPPORTS LEGEND: DENOTES PARTS LIST NO PIPE — A=RESTING SUPPORT G=GUIDE F=AXIALSTOP B=ANCHOR M=SPRING S=TEFLON PAD WHERE A WITHOUT NUMBERING IS INDICATED, THIS MEANS THAT THERE IS A REST DIRECTLY ON STEEL STRUCTURE.							
			· ·	1			STRESS CALC, Nº	-
							STRESS CALC. N°	TIT
							-	١.
							P & ID	1 I
							19-A-19-000-1-01-00001 sheet 117	-
00	ISSUED FOR REFERENCE		U.CHAVAN	P.VAZE	G.PAGANONI		LINE LIST N°	1
		16-JUN-23					19-L-19-000-2-00-80602	
REV.	DESCRIPTION		DRW. BY	CHECK BY	APPR. BY	ADDD CLIENT	PIPE LAYOUT N°	1
		DATE					19-L-19-000-2-00-86197 sheet 2	\perp

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

ISSUED FOR

ISOMETRIC DRAWING LINE

1"-LS-91A31-B-5 (HA)

PIPE MATERIAL NOTES: 1. FOR TECHNICAL DETAILS SEE LINE LIST. 2. FOR VENT, DRAIN OR INSTRUMENT CONNECTION DETAILS SEE 45-L-45-000-2-00-80102 CS

HEAT TREATMENT (PWHT)

PAINTING SCHEME (3)

PED CATEGORY

INSULATION CODE / THK. (mm)

Art 4.3

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" CONTRACTOR: CONTRACTOR DRAWING NUMBER: PROJECT:

PIPING CLASS 4001008 4274-XH-DL-2121LS91A31-3 WELDING CLASS (4) LOW LINEAL DENSITY POLYETHILENE (PEL)

AND POLYPROPYLENE (PP) PLANTS FOR PROJECT - ALBA PROJECT REPSQL

CLIENT / COMPLEX REPSOL POLYMEROS/ SINES INDUSTRIAL COMPLEX

DRAWING NUMBER 19-000-2-02-00001 sheet 2121LS91A31-3 ANNEX 00

FILENAME: 19-000-2-02-00001 sheet 2121LS91A31-3.dwg