REV. CAUSE ID:

STREAM REV. NO.: 9

STREAM NO.:3200

SEE ISO 2121-FL91L17-2 SPEC B32S1 12 STEM WEST E 139533785 N 113399388 EL +21528 E 139533785 N 113399187 EL +21633 2121-N91M39-1 SPEC 1C13 F 139533785 EL +20641

BILL OF MATERIAL HOLD COMPONENT DESCRIPTION ITEM CODE QTY STATUS (IN) PIPE - A106-B PE SMLS T01AC03Z02 S-XS < PIPA010A11XS > (L-6679) I132793 2.9 M PIPE - A106-B PE SMLS T01AC03Z02 S-XS < PIPA010A13/4XS > (L-6679). I132785 0.1 M Y-STRAINER API 602/AA 800# A105N SWE SWE 316 SHEET WC Y01LIC44115P NREQD 1X1 165637073 <N/A> (N/A) REDUCING TEE ASME B16.11 3000# A105N SWE SWE - R12FNC441101 NREOD 1X3/4 11651305 <RTEA300KBK13/4> (L-RTE15). 90 ELBOW ASME B16.11 3000# A105N SWE SWE - R31FNC441103 NREQD I1651296 <90FA300LBK1>(L-178) PLUG ROUND HEAD ASME B16.11 - A105N MTE NREQD - R42FQC44W001 NREQD I10088232 <PLUA300CK3/4> (L-77). LANGES SW FLANGE ASME B16.5 150# A105N RFFE SWE 125 - 250 AARH F02CDC44B105 S-XS 15378343 <SWFA300R151XS> (L-295) SW FLANGE ASME B16.5 300# A105N RFFE SWE 125 - 250 AARH F02CFC44B105 S-XS I4217823 <SWFA300R351XS> (L-375) SPIRAL WOUND GASKET ASME B16.20 300# RFFE 304/PTFE CARBON STEEL SS 304 ASME 1 163598746 B16.5 G03GFB1IG12 < SPAQ505R3EA1 > (L-SPA05) 10 STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE I010B0301 I53437418 <SB2R51G5/831/4> - 2 NUTS PER BOLT - 80 mm Length VALVES / IN-LINE ITEMS 1 GATE VALVE API 602 800# A105N SWE SWE 8-F6&HF WB-OS&Y SOW PTFE HW I63559256 V01GIC4411BM4 NREQD < G61L-GA1423A > (L-GA1423A) 2 GATE VALVE API 602 800# A105N SWE FTE 8-F6&HF WB-OS&Y SOW PTFE HW 163559275 V01GIC4412BM4 NREQD < G73\_4L-GA1424A > (L-GA1424A). INSTRUMENTS 13 INSTRUMENT COMPONENT 19-FIC-9105

13:26:04	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.								
-2023	SUPPORTS LEGEND: DENOTES PARTS LIST NO SUPPORT — A=RESTING SUPPORT G=GUIDE F=AXIAL STOP B=ANCHOR M=SPRING S=TIFLON PAD WHERE WITHOUT NUMBERING IS INDICATED, THIS MEANS THAT THERE IS A REST DIRECTLY ON STEEL STRUCTURE.								
90								STRESS CALC. Nº	TI
1.								-	
TE: 2								P & ID 19-A-19-000-1-01-00001 sheet 110	
DA	00	ISSUED FOR REFERENCE	23-JUN-23	U.CHAVAN	P.VAZE	G.PAGANONI		LINE LIST N° 19-L-19-000-2-00-80602	
~ □									1

Signature for construction is shown on Iso list of relevant CWA

**ISSUED FOR** 

REFERENCE

PIPE MATERIAL

PED CATEGORY

INSULATION CODE / THK. (mm)

Art 4.3

ANNEX

HEAT TREATMENT (PWHT)

CS

ISOMETRIC DRAWING LINE

1"-N-91M39-1C13

NOTES: 1. FOR TECHNICAL DETAILS SEE LINE LIST.

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-2121N91M39-2 1C13 WELDING CLASS (4) LOW LINEAL DENSITY POLYETHILENE (PEL)

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

DRAWING NUMBER

CLIENT / COMPLEX REPSOL POLYMEROS/ SINES INDUSTRIAL COMPLEX

00

FILENAME: 19-000-2-02-00001 sheet 2121N91M39-2.dwg

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.

3) FOR THE COMPONENTS MARKED AS FIELD WELDED WITH THIS SYMBOL ✗, ONE WELD FOR ADJUSTMENT OF IN LINE COMPONENT MUST BE LEFT DRW. BY CHECK BY APPR. BY APPR. CLIENT REV. DESCRIPTION 19-L-19-000-2-00-86197 sheet 6

19-000-2-02-00001 sheet 2121N91M39-2