Component 54801 SEE ISO 2121-IA91F0U-1 SPEC 6C4 E 139529491 N 113400393 F3 G4 B5

BILL OF MATERIAL HOLD STATUS COMPONENT DESCRIPTION ITEM CODE QTY (IN) PIPE - A312-TP304/304L DUAL GR PE SMLS T01AL2CZ02 S-40S <PIPB04DA211/240S> I2257941 (L-PIP111) 90 ELBOW ASME B16.11 3000# A182-F304/304L DUAL GR SWE SWE - R31FNL2A1103 1.1/2 12258119 LANGES SW FLANGE ASME B16.5 150# A182-F304/304L DUAL GR RFFE SWE 125 - 250 AARH 1.1/2 12260364 F02CDL2AB105 S-40S <SWFB450R1511/240S> (L-SWF30) SPIRAL WOUND GASKET ASME B16.20 150# RFTBE 304/GRAFOIL SS 304 SS 304 ASME I1654484 B16.5 G03GDP1IS04 < N/A > (N/A) BOLTS STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B8M CL2/A194-8MA INCH SIZE 163801421 I01OB1601 <SB2R58G1/223/4> - 2 NUTS PER BOLT - 70 mm Length ALVES / IN-LINE ITEMS GATE VALVE API 602 800# A182-F316/316L DUAL GR SWE SWE 12-316&HF API 602 1.1/2 13404189 A193-B8M CL2/8MA BB-OS&Y SOW API 602 HW V01GIL1M114N NREQD <G611_2L-AL021>

.023 12:00:40 SIK	1) LINI 2) ALL 3) FOR 4) FOR 5) GUS 6) CRO 7) IN C 8) ACT 9) WHE	DEPORTS LEGEND: 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 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 IT DEASED ON DOC. 45-P-000-7-06-00902/ 4274-NN-DW-00000002 AND ASSEMBLY NO FEA005 AND FE019. DENOTES PARTS LIST NO PIPE A-RESTINGSUPPORT G=GUIDE F-AXIALSTOP B-ANCHOR M-SPRING S-TEHONPAD S-TE										. Sig
-11-/							,				STRESS CALC. N°	TITLI
C:											P & ID 19-A-19-000-1-01-00001 sheet 106	IS
. DAI	00	ISSUED FOR REFERENCE			10-NOV-23	M.YADAV	P.VAZE	G.PAGANONI		LINE LIST N° 19-L-19-000-2-00-80602		
EAIR	REV.		DESCRIPTION			DATE	DRW. BY	CHECK BY	APPR. BY	APPR. CLIENT	PIPE LAYOUT N° 19-L-19-000-2-00-86197 sheet 1	

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

ISSUED FOR

E 139529190

-N 113397455 EL +1039

G4 B5

SOMETRIC DRAWING LINE

1-1/2"-IA-91F0U-6C4

PIPE MATERIAL NOTES: 1. FOR TECHNICAL DETAILS SEE LINE LIST.

ANNEX

304, dual grade

HEAT TREATMENT (PWHT)

INSULATION CODE / THK. (mm)

NR

Art 4.3

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:

4001008 PIPING CLASS 4274-XH-DL-2121IA91F0U-2 WELDING CLASS (4) LOW LINEAL DENSITY POLYETHILENE (PEL) CLIENT / COMPLEX AND POLYPROPYLENE (PP) PLANTS PED CATEGORY

FOR PROJECT - ALBA PROJECT REPSQL

REPSOL POLYMEROS/ SINES INDUSTRIAL COMPLEX DRAWING NUMBER 19-000-2-02-00001 sheet 2121IA91F0U-2 00

FILENAME: 19-000-2-02-00001 sheet 2121IA91F0U-2.dwg