STREAM REV. NO.: 10

REMARKS FOR MECHANICAL SUBCONTRACTOR:

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

E 139535431 /N 113395113 EL +1920 TO MODIFIER C CYLINDER/INLET E 139535281 -N 113394472 3/4X3/4"NPD SEE ISO 2121-CO40F11-1 SEE ISO 2121-CO40F11-2 9 STEM SOUTH SPEC 7K6 E 139535431 VALVE TO BE TAGGED OPEN. EL +434

BILL OF MATERIAL HOLD COMPONENT DESCRIPTION ITEM CODE QTY STATUS (IN) PIPE - A312-TP304/304L DUAL GR PE SMLS T01AL2CZ02 S-80S < PIPB04DA23/480S > I2257956 (L-PIP110) TEE ASME B16.11 3000# A182-F304/304L DUAL GR SWE SWE - R11FNL2A1101 NREQD 3/4X3/4 12258183 90 ELBOW ASME B16.11 3000# A182-F304/304L DUAL GR SWE SWE - R31FNL2A1103 12258116 NREQD <90FB450LBK3/4> (L-90F05) COUPLING ASME B16.11 3000# A182-F304/304L DUAL GR SWE SWE - R01FNL2A1101 I2258104 NREOD <FCPB450LBK3/4> (L-FCP08) 19-FX-4022 FLANGES SW FLANGE ASME B16.5 1500# A182-F316/316L DUAL GR RFFE SWE 125 - 250 AARH I46933029 F02CKL1MB105 S-80S <SWFB34D4553/480S> (L-SWF32) SPIRAL WOUND GASKET ASME B16.20 1500# RFTBE 304/GRAFOIL SS 304 SS 304 ASME 3/4 I2764616 B16.5 G03GKP1IS04 < N/A > (N/A) STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE I010B0301 153437466 <SB2R51G3/441/2> - 2 NUTS PER BOLT - 115 mm Length VALVES / IN-LINE ITEMS GATE VALVE API 602 1500# A182-F316/316L DUAL GR SWE SWE 12-316&HF WB-OS&Y 3/4 15390763 SOW API 602 HW V01GKL1M115E NREQD < G63_4L-AL028> (L-AL028) INSTRUMENTS 10 INSTRUMENT COMPONENT 19-PI-4034

1:33	3) FOR 4) FOR 5) GUS 6) CRO	2) ALL DIMENSION AND PROPER CONFIGURATION FOR LINES NYS 1.12" 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.							
52:51 57	8) ACT 9) WHI	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. SLIPPORTS LECEND: IDENOTES PARTS LIST NO PIPE A=RESTING SUPPORT G=GUDE F=AXIAL STOP B=ANCHOR M=SPRING S=TEFLONPAD							S
SUPPORTS LEGEND: SUPPORT — WHERE A WITHOUT NUMBERING IS INDICATED, THIS MEANS THAT THERE IS A REST DIRECTLY ON STEEL STRUCTURE.								STRUCTURE.	
71-11								STRESS CALC. Nº	TI
ij	01	ISSUED FOR REFERENCE	08-DEC-23	M.YADAV	P.VAZE	G.PAGANONI		P & ID 19-A-19-000-1-01-00001 sheet 36	
DA.	00	ISSUED FOR REFERENCE	28-JUL-23	U.CHAVAN	P.VAZE	G.PAGANONI		LINE LIST N° 19-L-19-000-2-00-80602	
EXIK	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

-3/4X3/4"NPD

WELDING CLASS (4) ISOMETRIC DRAWING PED CATEGORY LINE INSULATION CODE / THK. (mm) 3/4"-CO-40F11-7K6

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

ANNEX

304, dual grade

HEAT TREATMENT (PWHT)

PAINTING SCHEME (3)

PIPING CLASS

NR

7K6

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"

CONTRACTOR: CONTRACTOR DRAWING NUMBER: PROJECT: 4001008

4274-XH-DL-2121CO40F11-5

LOW LINEAL DENSITY POLYETHILENE (PEL) AND POLYPROPYLENE (PP) PLANTS FOR PROJECT - ALBA PROJECT REPSQL

CLIENT / COMPLEX REPSOL POLYMEROS/ SINES INDUSTRIAL COMPLEX

DRAWING NUMBER 01 19-000-2-02-00001 sheet 2121CO40F11-5