

BILL OF MATERIA										
PT NO COMPONENT DESCRIPTION PIPE	N.S. (IN)	ITEM CODE	QTY.	HOLD STATU						
PIPE - A106-B PE SMLS T01AC03Z02 S-XS < PIPA010A11XS > (L-6679) PIPE - A106-B PE SMLS T01AC03Z02 S-XS < PIPA010A13/4XS > (L-6679)	1 3/4	I132793 I132785	2.2 M 0.2 M							
FITTINGS REDUCING 45 LATERAL ASME B16.11/AA 3000# A105N SWE SWE - R18RNC44110. Undefined <lr4a300lb1211> (L-LR403)</lr4a300lb1211>	1 1X3/4	163782626	2							
4 90 ELBOW ASME B16.11 3000# A105N SWE SWE - R31FNC441103 NREQD <90FA300LBK1> (L-178)	1	I1651296	2							
5 PLUG ROUND HEAD ASME B16.11 - A105N MTE NREQD - R42FQC44W001 NREQD <plua300ck3 4=""> (L-77) FLANGES</plua300ck3>	3/4	110088232	1							
6 SW FLANGE ASME B16.5 150# A105N RFFE SWE 125 - 250 AARH F02CDC44B105 S- <swfa300r151xs> (L-295)</swfa300r151xs>	-XS 1	15378343	3							
7 SW FLANGE ASME B16.5 150# A105N RFFE SWE 125 - 250 AARH F02CDC44B105 S- <swfa300r153 4xs=""> (L-295)</swfa300r153>	-XS 3/4	15378342	2							
GASKETS 8 SPIRAL WOUND GASKET ASME B16.20 150# RFTBE 304/GRAFOIL CARBON STEEL ASME B16.5 G03GDP1IS12 <n a=""> (N/A)</n>	SS 304 1	163508896	3							
9 SPIRAL WOUND GASKET ASME B16.20 150# RFTBE 304/GRAFOIL CARBON STEEL ASME B16.5 G03GDP1IS12 <n a=""> (N/A)</n>	SS 304 3/4	4 3/4 163508895 2								
BOLTS OSTUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE I01OB03 SB2R51G1/221/2> - 2 NUTS PER BOLT - 65 mm Length	001 1/2	153437190	20							
VALVES / IN-LINE ITEMS. 11 BALL VALVE API 608 150# A216-WCB RFFE 316/R-PTFE, GF B7/2H 125 - 250 AARH 2PSB-FULL BORE FLOATING BALL OHW ASME B16.5 V04JDC29BZZG NREQD <n <="" td=""><td></td><td>I10013687</td><td>1</td><td></td></n>		I10013687	1							
12 BALL VALVE ASME B16.34 800# A105N SWE FTE 316/R-PTFE, GF 3PSB-RED BORE FLOATING BALL OHW FIRE SAFE :API 607 & ANTISTATIC DEVICES "A60T series"		I66567923	1							
TEAL V04JIC44126IG NREQD <n a=""> (N/A) 13 BALL VALVE API 608 150# A216-WCB RFFE 316/R-PTFE, GF B7/2H 125 - 250 AARH 2PSB-FULL BORE FLOATING BALL OHW ASME B16.5 V04JDC29BZZG NREQD <n <="" td=""><td></td><td>110013686</td><td>1</td><td></td></n></n>		110013686	1							
INSTRUMENTS. 14 INSTRUMENT COMPONENT	3/4	19-PI-4090	1							
PIPE MATERIAL NOTES: 1. FOR TECHNICAL DETAILS SEE LINE LIST.										
2. FOR VENT, DRAIN OR INSTRUMENT CONNECTION	2. FOR VENT, DRAIN OR INSTRUMENT CONNECTION DETAILS SEE 45-L-45-000-2-00-80102.									
HEAT TREATMENT (PWHT) 4. PAINTING ACCORDING TO 45-A-45-000-1-00-2016	3. WELDING ACCORDING TO 45-L-45-000-2-00-80021. 4. PAINTING ACCORDING TO 45-A-45-000-1-00-20160. 5. CODE SHOWN IN BOM BETWEEN "<" & ">" DENOTES REPSOL UNICODE. "<\/> "<\/> \alpha\" MEANS UNICODE IS "NOT AVAILABLE".									
PAINTING SCHEME (3)		IDED. DD/								

:	4) FOR EXTRA PIPE LENGTH REPER TO 42/4-LZ-PC-00000003. 5) GUSSETTING 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 PARTSLIST NO SUPPORT — A=RESTING SUPPORT G=GUIDE F=AXIAL STOP B=ANCHOR M=SPRING S=THFLONPAD WHERE A WITHOUT NUMBERING IS INDICATED, THIS MEANS THAT THERE IS A REST DIRECTLY ON STEEL STRUCTURE.									
3								STRESS CALC. Nº	TI	
	01	ISSUED FOR REFERENCE	09-FEB-24	M.YADAV	P.VAZE	G.PAGANONI		P & ID 19-A-19-000-1-01-00001 sheet 50		
	00	ISSUED FOR REFERENCE	23-JUNE-23	M.YADAV	P.VAZE	G.PAGANONI		LINE LIST N° 19-L-19-000-2-00-80602		
	REV.	DESCRIPTION	DATE	DRW. BY	CHECK BY	APPR. BY	APPR. CLIENT	PIPE LAYOUT N° 19-L-19-000-2-00-86196 sheet 1		

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 X , ONE WELD FOR ADJUSTMENT OF IN LINE COMPONENT MUST BE LEFT

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

PIPING CLASS

WELDING CLASS (4)

INSULATION CODE / THK. (mm)

Art 4.3

ANNEX 19

PED CATEGORY

ISSUED FOR

ISOMETRIC DRAWING LINE 1"-MOD-40Y06-1C17 (HA)

PAINTING SCHEME (3) CONTRACTOR DRAWING NUMBER: CONTRACTOR: PROJECT:

4274-XH-DL-2121MOD40Y06-3

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

CLIENT / COMPLEX REPSOL POLYMEROS/ SINES INDUSTRIAL COMPLEX

4001008

DRAWING NUMBER 19-000-2-02-00001 sheet 2121MOD40Y06-3 01