

	BILL OF MATERIAL				
PT NO	COMPONENT DESCRIPTION	N.S. (IN)	ITEM CODE	QTY.	HOLD
PIPE					
	PIPE - A106-B BE SMLS T01AC03V02 S-STD <pipa010b12std> (L-7806).</pipa010b12std>	2	I117862	0.3 M	
	INGS				
	CONCENTRIC REDUCER ASME B16.9 A234-WPB BE SMLS C21DC04V01 S-STD S-XS	2X1	1233243	1	
	CREA200F314151216> (L-7958).	2772/4	150505410		
	REDUCING 45 LATROLET MSS-SP-97 A105N BE - C36DC44V01 S-STD	2X3/4	159585612	1	
	:LABA300F014151116> (L-LAB22).				
	NGES VN FLANGE ASME B16.5 300# A105N RFFE BE 125 - 250 AARH F01CFC44BV05 S-STD	2	15355797	1	
	WNFA300R352STD> (L-236).	2	15355/9/	1	
	WN FLANGE ASME B16.5 300# A105N RFFE BE 125 - 250 AARH F01CFC44BV05 S-XS	1	I4217849	1	
	WNFA300R351XS> (L-236).	1	1421 / 649	1	
	VN FLANGE ASME B16.5 300# A105N RFFE BE 125 - 250 AARH F01CFC44BV05 S-XS	3/4	19805754	1	
	WNFA300R353/4XS> (L-236).	3/4	19803734	1	
	RUMENTS				
	NSTRUMENT COMPONENT	2X1	19-PSV-4105	1	
PIPE		2.1.	1,715, 1105	•	
	PIPE - A106-B PE SMLS T01AC03Z02 S-XS < PIPA010A11XS > (L-6679)	1	I132793	0.1 M	
	PIPE - A106-B PE SMLS T01AC03Z02 S-XS < PIPA010A13/4XS> (L-6679).	3/4	I132785	0.2 M	
FLAN	NGES.				
10 B	BLIND FLANGE ASME B16.5 300# A105N RFFE NREQD 125 - 250 AARH F10CFC44B005	3/4	I1652375	1	
<	BLFA300R353/4> (L-143).				
GASI	KETS .				
11 S	PIRAL WOUND GASKET ASME B16.20 300# RFFE 304/PTFE CARBON STEEL SS 304 ASME	2	163598756	1	
В	316.5 G03GFB1IG12 < SPAQ505R3EA2> (L-SPA05)				
12 S	SPIRAL WOUND GASKET ASME B16.20 300# RFFE 304/PTFE CARBON STEEL SS 304 ASME	1	I63598746	1	
В	316.5 G03GFB1IG12 <spaq505r3ea1> (L-SPA05)</spaq505r3ea1>				
13 S	SPIRAL WOUND GASKET ASME B16.20 300# RFFE 304/PTFE CARBON STEEL SS 304 ASME	3/4	I63598745	2	
В	316.5 G03GFB1IG12 <spaq505r3ea3 4=""> (L-SPA05)</spaq505r3ea3>				
BOL	<u>TS</u>				
14 S	TUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE I010B0301	5/8	I53437440	8	
<	SB2R51G5/831/2> - 2 NUTS PER BOLT - 90 mm Length				
	TUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE I010B0301	5/8	I53437418	8	
	SB2R51G5/831/4> - 2 NUTS PER BOLT - 80 mm Length				
	TUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE I010B0301	5/8	153437270	4	
	SB2R51G5/841/4> - 2 NUTS PER BOLT - 110 mm Length				
	VES / IN-LINE ITEMS				
	BALL VALVE API 608 300# A216-WCB RFFE 316/R-PTFE, GF B7/2H 125 - 250 AARH	3/4	164605273	1	
	PSB-FULL BORE FLOATING BALL OHW ASME B16.5 HYDROGEN V04JFC29BZZE NREQD				
·	N/A> (N/A).				

	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 TO PERFORM IT BASED ON DOC. 45-P-000-7-06-00902/ 4274 -NN-DW-00000002 AND ASSEMBLY NO FE.
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8) AC	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.							
SUPP	SUPPORTS LEGEND: Denotes Parts List no pipe — A=resting support G=Guide F=AXIAL STOP B=ANCHOR M=SPRING S=TEFLON PAD WHERE WITHOUT NUMBERING IS INDICATED, THIS MEANS THAT THERE IS A REST DIRECTLY ON STEEL STRUCTURE.							
							STRESS CALC. Nº	T
02	ISSUED FOR CONSTRUCTION	20-Sep-23	M.YADAV	P.VAZE	G.PAGANONI		REP-PE-048	
01	ISSUED FOR CONSTRUCTION	13-JUL-23	U.CHAVAN	P.VAZE	G.PAGANONI		P & ID 19-A-19-000-1-01-00001 sheet 55	
							LINE LIST Nº	1
00	ISSUED FOR CONSTRUCTION	09-DEC-22	M.YADAV	P.VAZE	G.PAGANONI		19-L-19-000-2-00-80602	
							PIPE LAYOUT Nº	1
REV.	DESCRIPTION	DATE	DRW. BY	CHECK BY	APPR. BY	APPR. CLIENT	19-L-19-000-2-00-86197 sheet 2	

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

ISOMETRIC DRAWING

LINE

2"-CYG-41D01-1E64 (P)

APPROVED FOR

PIPING CLASS

PIPE MATERIAL

HEAT TREATMENT (PWHT)

INSULATION CODE / THK. (mm)

CS

2. FOR VENT, DRAIN OR INSTRUMENT CONNECTION DETAILS SEE 45-L-45-000-2-00-80102.

NOTES: 1. FOR TECHNICAL DETAILS SEE LINE LIST.

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"

4274-XH-DL-2121CYG41D01-1

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

1E64 WELDING CLASS (4) LOW LINEAL DENSITY POLYETHILENE (PEL) AND POLYPROPYLENE (PP) PLANTS PED CATEGORY FOR PROJECT - ALBA PROJECT REPSQL

CLIENT / COMPLEX REPSOL POLYMEROS/ SINES INDUSTRIAL COMPLEX

02

4001008

DRAWING NUMBER 19-000-2-02-00001 sheet 2121CYG41D01-1 ANNEX 19