

	BILL OF MATERIAL										
PT NO	O COMPONENT DESCRIPTION	N.S. (IN)	ITEM CODE	QTY	HOLD STATUS						
ΡШ	PE										
1	PIPE - A106-B PE SMLS T01AC03Z02 S-XS < PIPA010A111/2XS > (L-6679)	1.1/2	I132809	11.7 M							
FĽ	<u>TTINGS</u>										
2	TEE ASME B16.11 3000# A105N SWE SWE - R11FNC441101 NREQD <tesa300lbk11 2=""></tesa300lbk11>	1.1/2X1.1/2	11651302	1							
	(L-179)										
3	REDUCING TEE ASME B16.11 3000# A105N SWE SWE - R12FNC441101 NREQD	1.1/2X1/2	11651308	2							
	<rtea300kbk11 2="" 21=""> (L-RTE15)</rtea300kbk11>										
4	ECCENTRIC SWAGE MSS SP-95 - A105N PE PE SMLS SCH1-XS SCH2-XS R22FQC44ZZ01	1.1/2X1/2	163782607	1							
	<eswa010ar13161016>(L-ESW31)</eswa010ar13161016>										
5	45 ELBOW ASME B16.11 3000# A105N SWE SWE - R32FNC441101 NREQD	1.1/2	11651293	2							
	<45FA300LBK11/2> (L-184)										
6	90 ELBOW ASME B16.11 3000# A105N SWE SWE - R31FNC441103 NREQD	1.1/2	11651297	1							
	<90FA300LBK11/2> (L-178)										
7	COUPLING ASME B16.11 3000# A105N SWE SWE - R01FNC441101 NREQD	1.1/2	11651679	1							
	<fcpa300lbk11 2=""> (L-180)</fcpa300lbk11>										
8	COUPLING ASME B16.11 3000# A105N SWE SWE - R01FNC441101 NREQD	1/2	11651675	1							
	<fcpa300lbk1 2=""> (L-180)</fcpa300lbk1>										

٤L												
3 [REMARKS FOR MECHANICAL SUBCONTRACTOR:											
ا ۵	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.											
.												
3	5) GUSSETING TO BE IMPLEMENTED BY MECHANICAL SUBCONTRACTOR AS PER 45-L-45-000-2-00-80004 / 4274-XH-SG-000000002.											
ادُ	6) CROSSING BETWEEN WELDS ON PIPELINE SHALL NOT BE ADMITTED.											
i l	7) IN CASE OF DISCREPANCIES BETWEEN DATA SHOWN ON ISO AND IN LINE LIST (AS APPLICABLE, DATA SHOWN IN LINE LIST GOVERN.											
ا ز	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.											
: L	9) WHE	RE EARTHING BONDING IS REQUIRED, MECHANICAL SUBCONTRACTOR TO PERFORM IT	BASED ON DOC	. 45-P-000-7-06-00	1902/42/4 -NN-D	W-00000002 AND	ASSEMBLY NO	FEA005 AND FE019.	:			
1		DETS LECEND. I DENOTES PARTS LIST NO PIPE - A=RESTINGS	UPPORT G=	GUIDE F = AXIA	LSTOP B=	ANCHOR M=S	PRING S=TEF	LONPAD				
3	SUPPORTS LEGEND: Libenotes paristist no support — Support — Wherefarming in Notice to this means that there is a rest directly on steel structure.											
ı							STRESS CALC, Nº	+-				
- 1								STRESS CALC. N	1			
įΙ								-				
' F		VOLUME FOR REPERFELOR	2431031.22		B	a B. a. v.		P & ID	1			
i l	01	ISSUED FOR REFERENCE	24-NOV-23	M.YADAV	P.VAZE	G.PAGANONI		19-A-19-000-1-01-00001 sheet 51				
TA L		ISSUED FOR REFERENCE	14-JUL-23	M.YADAV	P.VAZE	G.PAGANONI		LINE LIST N°	1			
	00											
≥ F								19-L-19-000-2-00-80602	4			
		DESCRIPTION	DATE	DRW. BY	CHECK BY	APPR. BY	APPR. CLIENT	PIPE LAYOUT Nº				
	REV.							19-L-19-000-2-00-86197 sheet 4				
-								17 E 17 000 E 00 00177 Sheet 1				

Signature for construction is shown on Iso list of relevant CWA

ISSUED FOR

REFERENCE

PIPE MATERIAL

HEAT TREATMENT (PWHT)

PAINTING SCHEME (3)

INSULATION CODE / THK. (mm)

PIPING CLASS

CS

ISOMETRIC DRAWING LINE 1-1/2"-LPN-40Z11-1C17

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"

CONTRACTOR: CONTRACTOR DRAWING NUMBER: PROJECT:

4274-XH-DL-2121LPN40Z11-1 WELDING CLASS (4) LOW LINEAL DENSITY POLYETHILENE (PEL) AND POLYPROPYLENE (PP) PLANTS PED CATEGORY

REPSQL

ANNEX

Art 4.3

CLIENT / COMPLEX REPSOL POLYMEROS/ FOR PROJECT - ALBA PROJECT SINES INDUSTRIAL COMPLEX

4001008

DRAWING NUMBER 19-000-2-02-00001 sheet 2121LPN40Z11-1 01

FILENAME: 19-000-2-02-00001 sheet 2121LPN40Z11-1.dwg