

BILL OF MATERIAL				
T	N.S.			HOLD
NO COMPONENT DESCRIPTION	(IN)	ITEM CODE	QTY.	STATU
ZIPE CONTRACTOR OF THE CONTRAC				
PIPE - A106-B PE SMLS T01AC03Z02 S-XS < PIPA010A13/4XS > (L-6679)	3/4	1132785	0.1 M	
PIPE - A106-B PE SMLS T01AC03Z02 S-XS < PIPA010A11/2XS > (L-6679)	1/2	1132777	0.5 M	
<u>TITTINGS</u>				
TEE ASME B16.11 3000# A105N SWE SWE - R11FNC441101 NREQD <tesa300lbk3 4=""></tesa300lbk3>	3/4X3/4	11651300	1	
(L-179)				
ECCENTRIC SWAGE MSS SP-95 - A105N PE PE SMLS SCH1-XS SCH2-XS R22FQC44ZZ01	3/4X1/2	163782592	2	
<eswa010ar11161016> (L-ESW31)</eswa010ar11161016>				
5 SPECTACLE DISC ASME B16.48 300# A516-70 NORM. FFTBE 125 - 250 AARH SUPPL.	1/2	15355935	1	
REQ. S5 ASME B16.5 D0601FC65O04 NREQD <fi8a510f3a10> (L-FI827)</fi8a510f3a10>				
LANGES		105/2100		
5 SW FLANGE ASME B16.5 300# A105N RFFE SWE 125 - 250 AARH F02CFC44B105 S-XS	1/2	19762189	3	
<swfa300r351 2xs=""> (L-375)</swfa300r351>				
GASKETS SPIRAL WOUND GASKET ASME B16.20 300# RFTBE 304/GRAFOIL CARBON STEEL SS 304	1/2	1/2500040	4	
ASME B16.5 G03GFP1IS12 <n a=""> (N/A)</n>	1/2	103308949	4	
ASME B10.5 G05GPP11812 < N/A > (N/A) 80LTS				
S STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE I010B0301	1/2	152/27100	8	
SB2R51G1/221/2> - 2 NUTS PER BOLT - 65 mm Length	1/2	133437190	o	
STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE I010B0301	1/2	153/137212	4	
SB2R51G1/23> - 2 NUTS PER BOLT - 75 mm Length	1/2	133437212	7	
VALVES / IN-LINE ITEMS.				
0 GATE VALVE API 602 800# A105N SWE SWE 8-F6&HF WB-OS&Y SOW API 602 HW	3/4	110015418	1	
V01GIC4411BL NREQD <663 4L-GA1313-B> (L-GA1313-B)	5/-1	110015410	•	
11 GATE VALVE API 602 800# A105N SWE SWE 8-F6&HF WB-OS&Y SOW API 602 HW	1/2 110015417 1		1	
V01GIC4411BL NREQD <g61 2l-ga1313-b=""> (L-GA1313-B)</g61>			-	
NSTRUMENTS.				
2 INSTRUMENT COMPONENT	3/4	19-PT-4008	1	
3 INSTRUMENT COMPONENT	1/2	19-FO-4014	1	
	RH SUPPL. 1/2 15355935 244B105 S-XS 1/2 19762189 ON STEEL SS 304 1/2 163508949 E 1010B0301 1/2 153437190 E 1010B0301 1/2 153437212 PI 602 HW 3/4 110015418 PI 602 HW 1/2 110015417			

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STR	REMARKS FOR MECHANICAL SUBCONTRACTOR:												
1) EINES 1.1/2 AND SWALLER SHALE BE SOTTOKTED IN TIELD II NOT OTHERWISE INDICATED.													
		. DIMENSION AND PROPER CONFIGURATION FOR LINES NPS 1.1/2" AND SMALLER SHALL E ■ THE COMPONENTS MARKED AS FIELD WELDED WITH THIS SYMBOL ズ, ONE WELD FOR											
			1										
		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.													
<u></u>	TO DESCRIBE AND												
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10													
) WHERE EXECUTIVE BONDENG IS REQUIRED, WEETING TO FER ORANT BRIDED ON DOC. 42-4-11-200-7-00-000002 ALTO TESTORS IND FEBRUAR TO FER ORANT BRIDED ON DOC. 42-4-11-200-7-00-000002 ALTO TESTORS IND FEBRUAR TO FEBRU												
CI DEPLOCTES DA RESULTANO PIPE — A = RESTING SUPPORT G = GLIDE F = AVIAL STOP R = ANCHOR M = SPRING S = TEFLON PAD													
2	SUPPORTS LEGEND: UDENDIES PARIS LIST NO SUPPORT SUPPORT WHERE A WITHOUT NUMBERING IS INDICATED, THIS MEANS THAT THERE IS A REST DIRECTLY ON STEEL STRUCTURE.												
'								STRESS CALC. Nº	Т				
Ξ.									1				
22								-	1				
DATE:	01	ISSUED FOR REFERENCE	24-NOV-23	M.YADAV	P.VAZE	G.PAGANONI		P & ID	1				
								19-A-19-000-1-01-00001 sheet 29					
	00	ISSUED FOR REFERENCE	12-MAY-23	U.CHAVAN	P.VAZE	G.PAGANONI		LINE LIST Nº					
								19-L-19-000-2-00-80602					
EXTR.								PIPE LAYOUT N°					
Σ	REV.	DESCRIPTION	DATE	DRW. BY	CHECK BY	APPR. BY	APPR, CLIENT		1				
ш,								19-L-19-000-2-00-86192 sheet 2	_				

Signature for construction is shown on Iso list of relevant CWA

ISSUED FOR

REFERENCE

ISOMETRIC DRAWING LINE

3/4"-N-40B01-1E21

NOTES: 1. FOR TECHNICAL DETAILS SEE LINE LIST.

PIPE MATERIAL

PIPING CLASS

HEAT TREATMENT (PWHT)

CS

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:

4274-XH-DL-2121N40B01-5 1E21 WELDING CLASS (4) LOW LINEAL DENSITY POLYETHILENE (PEL) AND POLYPROPYLENE (PP) PLANTS PED CATEGORY FOR PROJECT - ALBA PROJECT

CLIENT / COMPLEX REPSOL POLYMEROS/ SINES INDUSTRIAL COMPLEX

4001008

01

REPSQL Art 4.3 INSULATION CODE / THK. (mm) DRAWING NUMBER 19-000-2-02-00001 sheet 2121N40B01-5 ANNEX 19