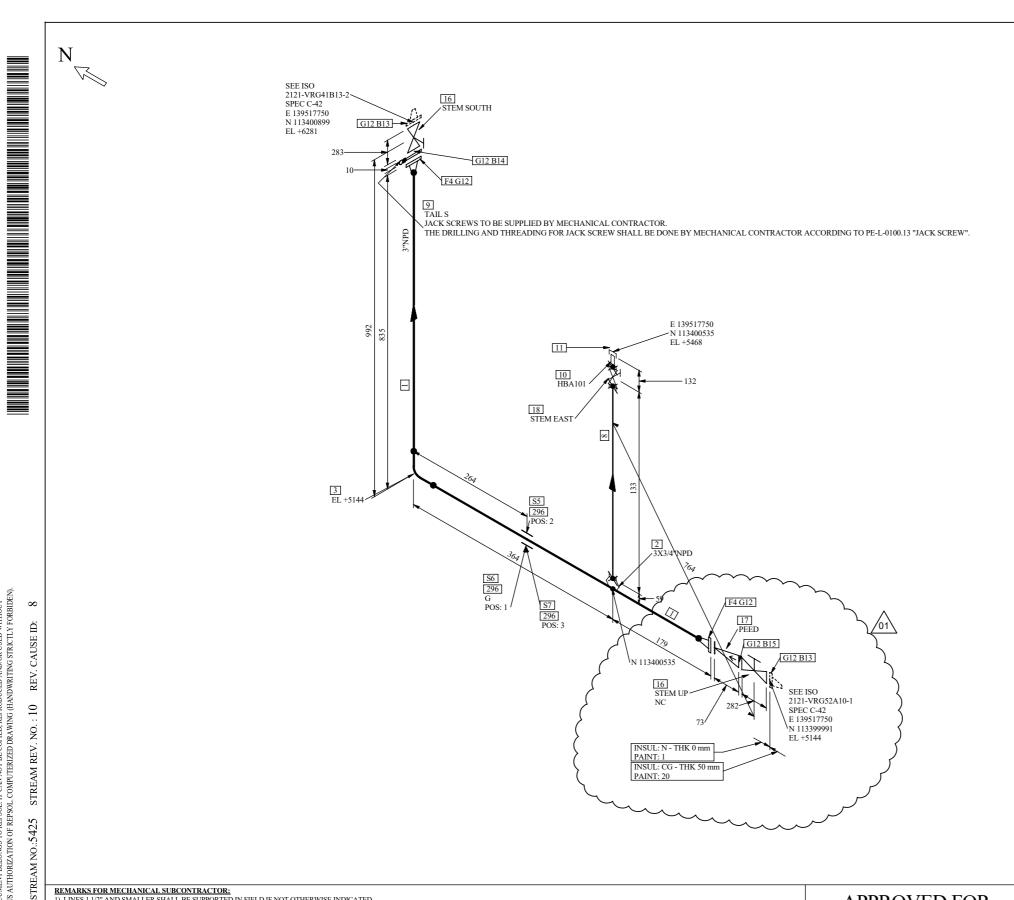
REMARKS FOR MECHANICAL SUBCONTRACTOR:

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



BILL OF MATERIAL				
PT NO COMPONENT DESCRIPTION	N.S. (IN)	ITEM CODE	QTY.	HOLD STATU
PIPE - A333-6 BE SMLS_T0LAC22V02 S-STD < PIPL 020B L3STD > (L-8199)	3	1146278	1.0 M	
ETTINGS. REDUCING SOCKOLET MSS-SP-97 3000# A350-LF2 Class 1 BE SWE - R13DNC07V101	3X3/4	1368227	1	
NREQD <sokl300lb01511> (L-7906)</sokl300lb01511>	2		,	
(L-7966)	3	1213645	I	
WN FLANGE ASME B16.5 300# A350-LF2 Class 1 RFFE BE 125 - 250 AARH F01CFC07BV05 S-STD <wnfl300r353std> (L-7981)</wnfl300r353std>	3	I219622	2	
S STAKES SUPPORTS ST01 HEA100	3	296	1	
5 STANDARD GUIDE FOR NOT INS. PIPING-N1G1	3	296	1	
7 PIPING SUPPORT - BEAMS- BE03 HEA100 PIPE	3	296	1	
PIPE - A333-6 PE SMLS T01AC22Z02 S-XS < PIPL020A13/4XS > (L-PIP01)	3/4	1146384	0.2 M	
9 SPECTACLE DISC ASME B16.48 300# A516-70 NORM. FFTBE 125 - 250 AARH SUPPL.	3	14299243	1	
10 NIPPLE A333-6 PE MTE SMLS LENGTH 100mm R03AQC22ZW04 S-160	(IN) ITEM CODE QTY 3			
1 CAP ASME B16.11 3000# A350-LF2 Class 1 FTE NREQD - R41FNC072001 NREQD <catl300kbk3 4=""> (L-7902)</catl300kbk3>	3/4	I118032	1	
2 SPIRAL WOUND GASKET ASME B16.20 300# RFTBE 316/GRAP LTCS SS 316 ASME B16.5 G03GFP1IAG8 <n a=""> (N/A)</n>	3	146364707	6	
PE PIPE - A333-6 BE SMLS T01AC22V02 S-STD <pipl020b13std> (L-8199) TITINGS REDUCING SOCKOLET MSS-SP-97 3000# A350-LF2 Class 1 BE SWE - R13DNC07V101 NREQD <sokl300lb01511> (L-7906) 90 LR ELBOW ASME B16.9 A420-WPL6 BE SMLS C01DC09V01 S-STD <90LL210F33STI (L-7966) ANGES WN FLANGE ASME B16.5 300# A350-LF2 Class 1 RFFE BE 125 - 250 AARH FOLCFC07BV05 S-STD <wnfl300r353std> (L-7981) PE SUPPORTS STAKES SUPPORTS ST01 HEA100 STANDARD GUIDE FOR NOT INS. PIPING-N1G1 PIPING SUPPORT - BEAMS- BE03 HEA100 PE PIPE - A333-6 PE SMLS T01AC22Z02 S-XS <pipl020a13 4xs=""> (L-PIP01) TITINGS SPECTACLE DISC ASME B16.48 300# A516-70 NORM. FFTBE 125 - 250 AARH SUPPL. REQ. S5 ASME B16.5 D0601FC65O04 NREQD <f18a510f3a15> (L-F1827) D NIPPLE A333-6 PE MTE SMLS LENGTH 100mm R03AQC22ZW04 S-160 <ntol020e1110324> (L-9261) CAP ASME B16.11 3000# A350-LF2 Class 1 FTE NREQD - R41FNC072001 NREQD <catl300kbr3 4=""> (L-7902) ASKETS SPIRAL WOUND GASKET ASME B16.20 300# RFTBE 316/GRAP LTCS SS 316 ASME B16.5 SUID BOLTS&NUTS ASME B18.31.2/ B18.2.2 A320-L7/A194-7 INCH SIZE 1010B5301 <sb2r55g3 4="" 441=""> - 2 NUTS PER BOLT - 110 mm Length STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A320-L7/A194-7 INCH SIZE 1010B5301 <sb2r55g3 4="" 441=""> - 2 NUTS PER BOLT - 125 mm Length STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A320-L7/A194-7 INCH SIZE 1010B5301 <sb2r55g3 4="" 441=""> - 2 NUTS PER BOLT - 125 mm Length STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A320-L7/A194-7 INCH SIZE 1010B5301 <sb2r55g3 4="" 41=""> - 2 NUTS PER BOLT - 125 mm Length STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A320-L7/A194-7 INCH SIZE 1010B5301 <sb2r55g3 4="" 471=""> - 2 NUTS PER BOLT - 125 mm Length GATE VALVE AP1600 300# A352-LCC RFFE 10-316 AP1600 L7/7 125 - 250 AARH BB-OS&Y FLXW AP1600 HW ASME B16.5 V01FFC82B12R NREQD <6431-7863> (L-786) TILTING CHECK LUG ASME B16.34 300# A352-LCC RFTBE DISC:DI SEAT:PEEK 125 - 250 AARH BBB-OS&Y FLXW AP1600 HW ASME B16.5 V01FFC82B12R NREQD <6431-7863> (L-786) TILTING CHECK LUG ASME B16.34 300# A352-LCC RFTBE DISC:DI SEAT:PEEK 125 - 250 AARH BBB-OS&Y FLXW AP1600 HW ASME B16.5 V01FC82B12R NREQD <6431-7863</sb2r55g3></sb2r55g3></sb2r55g3></sb2r55g3></sb2r55g3></catl300kbr3></ntol020e1110324></f18a510f3a15></pipl020a13></wnfl300r353std></sokl300lb01511></pipl020b13std>	3/4	155705084	16	
4 STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A320-L7/A194-7 INCH SIZE I010B5301 <sb2r55g3 45=""> - 2 NUTS PER BOLT - 125 mm Length</sb2r55g3>	3/4	155705087	8	
	3/4	155705099	8	
16 GATE VALVE API 600 300# A352-LCC RFFE 10-316 API 600 L7/7 125 - 250 AARH BB-OS&Y FLXW API 600 HW ASME B16.5 V01FFC82B12R NREOD <643L-7863> (L-7863)	3	I63584433	2	
17 TILTING CHECK LUG ASME B16.34 300# A352-LCC RFTBE DISC:DI SEAT:PEEK 125 -		I66040864	1	
18 GATE VALVE API 602 800# A350-LF2 Class 1 SWE SWE 10-316 API 602 L7/7	3/4	164383040	1	
PIPE MATERIAL NOTES: 1. FOR TECHNICAL DETAILS SEE LINE LIST				

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 FEA005 AND FE019.										
SUPPORTS LEGEND: DENOTES PARTSLIST NO PIPE — A RESTING SUPPORT G = GUIDE F = AXIAL STOP B = ANCHOR M = SPRING S = TIFLON PAD WHERE A WITHOUT NUMBERING IS INDICATED, THIS MEANS THAT THERE IS A REST DIRECTLY ON STEEL STRUCTURE. STRESS CALC. No										
01		ISSUED FOR CONSTRUCTION	25-AUG-23	M.YADAV	P.VAZE	G.PAGANONI		P & ID 19-A-19-000-1-01-00001 sheet 53]]	
00)	ISSUED FOR CONSTRUCTION	17-FEB-23	M.YADAV	P.VAZE	G.PAGANONI		LINE LIST № 19-L-19-000-2-00-80602		
	REV.	DESCRIPTION	DATE	DRW. BY	CHECK BY	APPR. BY	APPR. CLIENT	PIPE LAYOUT N° 19-L-19-000-2-00-86197 sheet 2		

APPROVED FOR **CONSTRUCTION**

CS, low temperature

INSULATION CODE / THK. (mm)

HEAT TREATMENT (PWHT)

PIPING CLASS

Signature for construction is shown on Iso list of relevant CWA

ISOMETRIC DRAWING LINE

3"-VRG-41B13-C-42

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

5. CODE SHOWN IN BOM BETWEEN "<" & ">" DENOTES REPSOL UNICODE. "<N/A>" MEANS UNICODE IS "NOT AVAILABLE"

4274-XH-DL-2121VRG41B13-3

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

C-42 WELDING CLASS (4) LOW LINEAL DENSITY POLYETHILENE (PEL) AND POLYPROPYLENE (PP) PLANTS PED CATEGORY FOR PROJECT - ALBA PROJECT REPSQL

ANNEX

CLIENT / COMPLEX REPSOL POLYMEROS/ SINES INDUSTRIAL COMPLEX

4001008

DRAWING NUMBER 19-000-2-02-00001 sheet 2121VRG41B13-3 01