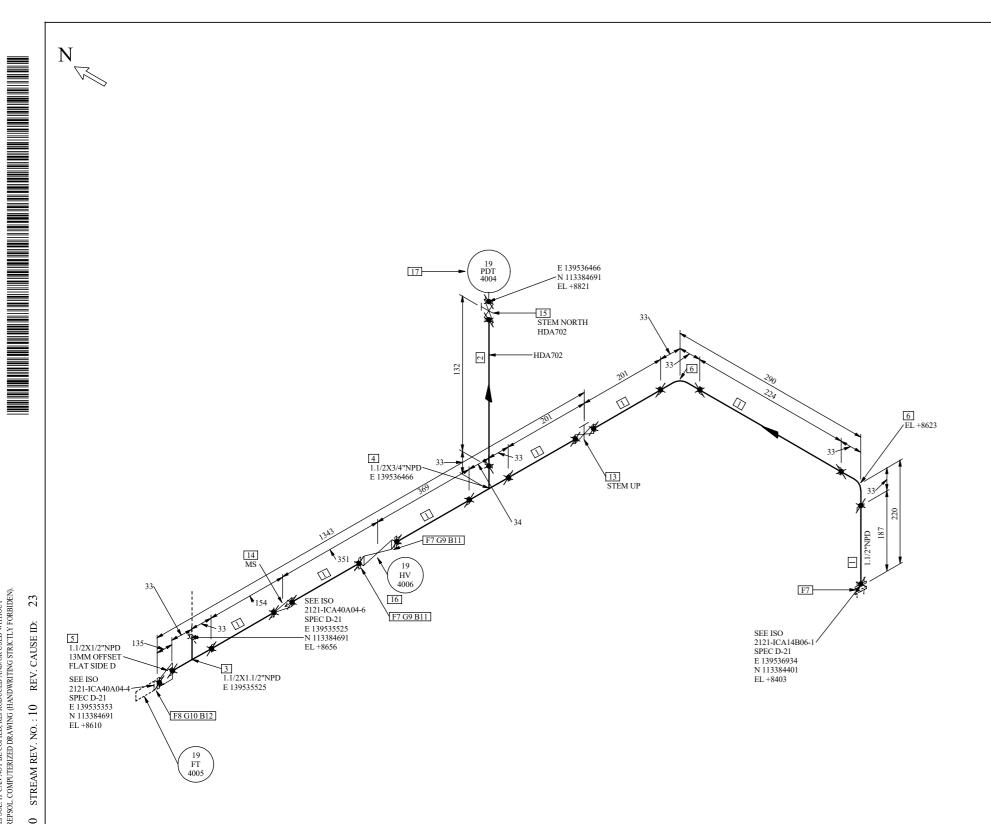
REMARKS FOR MECHANICAL SUBCONTRACTOR:

1) LINES 1.1/2" AND SMALLER SHALL BE SUPPORTED IN FIELD IF NOT OTHERWISE INDICATED.



PT				
NO COMPONENT DESCRIPTION PIPE	N.S. (IN)	ITEM CODE	QTY.	HOLD
PIPE - A106-B PE SMLS T01AC03Z02 S-XS <pipa010a111 2xs=""> (L-6679)</pipa010a111>	1.1/2	I132809	1.2 M	
PIPE - A106-B PE SMLS T01AC03Z02 S-XS <pipa010a13 4xs=""> (L-6679)</pipa010a13>	3/4	I132785	0.1 M	
FITTINGS				
3 TEE ASME B16.11 3000# A105N SWE SWE - R11FNC441101 NREQD <tesa300lbk11 2=""> (L-179)</tesa300lbk11>	1.1/2X1.1/	/2 11651302	1	
4 REDUCING TEE ASME B16.11 3000# A105N SWE SWE - R12FNC441101 NREQD <rtea300kbk11 23="" 4=""> (L-RTE15)</rtea300kbk11>	1.1/2X3/4	11651306	1	
5 ECCENTRIC SWAGE MSS SP-95 - A105N PE PE SMLS SCH1-XS SCH2-XS R22FQC44ZZ01 <eswa010ar13161016> (L-ESW31)</eswa010ar13161016>	1.1/2X1/2	163782607	1	
6 90 ELBOW ASME B16.11 3000# A105N SWE SWE - R31FNC441103 NREQD <90FA300LBK11/2> (L-178)	1.1/2	11651297	2	
FLANGES.				
7 SW FLANGE ASME B16.5 600# A105N RFFE SWE 125 - 250 AARH F02CHC44B105 S-XS <swfa30046511 2xs=""> (L-376)</swfa30046511>	1.1/2	19805899	3	
8 SW FLANGE ASME B16.5 600# A105N RFFE SWE 125 - 250 AARH F02CHC44B105 S-XS <swfa3004651 2xs=""> (L-376)</swfa3004651>	1/2	19805863	1	
<u>GASKETS</u>				
9 SPIRAL WOUND GASKET ASME B16.20 600# RFTBE 316/GRAP CARBON STEEL SS 316 ASME B16.5 G03GHP1IA01 <spwq40046ea11 2=""> (L-1529)</spwq40046ea11>	1.1/2	11256220	2	
10 SPIRAL WOUND GASKET ASME B16.20 600# RFTBE 316/GRAP CARBON STEEL SS 316 ASME B16.5 G03GHP1IA01 <spwq40046ea1 2=""> (L-1529)</spwq40046ea1>	1/2	11256226	1	
BOLTS				
11 STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE I010B0301	3/4	153437465	8	
12 STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE I010B0301	1/2	153437223	4	
VALVES / IN-LINE ITEMS				
13 GATE VALVE API 602 800# A105N SWE SWE 5-HARDFACED API 602 B7/2H BB-OS&Y SO' API 602 HW V01GIC441111 NREQD <g611 2l-6566=""> (L-6566)</g611>	W 1.1/2	I11426467	1	
14 PISTON CHECK VALVE API 602 800# A105N SWE SWE 8-F6&HF API 602 B7/2H BC MS, SL V43GIC44110Q NREQD < L611 2L-198> (L-198)	1.1/2	163583298	1	
15 GATE VALVE API 602 800# A105N SWE SWE 5-HARDFACED API 602 B7/2H BB-OS&Y SO API 602 HW V01GIC441111 NREQD < G63 4L-6566> (L-6566)	W 3/4	I11426464	1	
INSTRUMENTS.				
16 INSTRUMENT COMPONENT	1.1/2	19-HV-4006	1	
17 INSTRUMENT COMPONENT	3/4	19-PDT-4004	1	

:40	1) LINES 1.1/2 AND SMALLER SHALL BE SOPPORTED 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.									
2023 10:29	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 6.074-0.0000603).  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:  1 DENOTES PARTS LIST NO PIPE A-RESTING SUPPORT SUPPORT WHERE [A] WITHOUT NUMBERING IS NDICATED, THIS MEANS THAT THERE IS A REST DIRECTLY ON STEEL STRUCTURE.								Sig	
12-								STRESS CALC. Nº	TITLE	
60								-		
ΤË	01	ISSUED FOR REFERENCE	08-DEC-23	M.YADAV	P.VAZE	G.PAGANONI		P & ID 19-A-19-000-1-01-00001 sheet 28	12	
DAT	00	ISSUED FOR REFERENCE	05-MAY-23	3 U.CHAVAN	P.VAZE	AZE G.PAGANONI		LINE LIST Nº	1	
								19-L-19-000-2-00-80602 PIPE LAYOUT N°	4	
XTR	REV.	DESCRIPTION	DATE	DRW. BY	CHECK BY	APPR. BY	APPR. CLIENT	19-J -19-000-2-00-86196 sheet 3		

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

**ISSUED FOR** 

PIPE MATERIAL

PIPING CLASS

HEAT TREATMENT (PWHT)

INSULATION CODE / THK. (mm)

CS

ISOMETRIC DRAWING LINE 1-1/2"-ICA-40A04-D-21 NOTES: 1. FOR TECHNICAL DETAILS SEE LINE LIST.

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

WELDING ACCORDING TO 45-L-45-000-2-00-80021.

PAINTING ACCORDING TO 45-A-45-000-1-00-20160.

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

4274-XH-DL-2121ICA40A04-5

PAINTING SCHEME (3)

CONTRACTOR: CONTRACTOR DRAWING NUMBER: PROJECT:

WELDING CLASS (4)

E

LOW LINEAL DENSITY POLYETHILENE (PEL)

AND POLYPROPYLENE (PP) PLANTS

FOR PROJECT - ALBA PROJECT

SI

ANNEX 19 CLIENT / COMPLEX
REPSOL POLYMEROS/
SINES INDUSTRIAL COMPLEX

4001008

DRAWING NUMBER 19-000-2-02-00001 sheet 2121ICA40A04-5