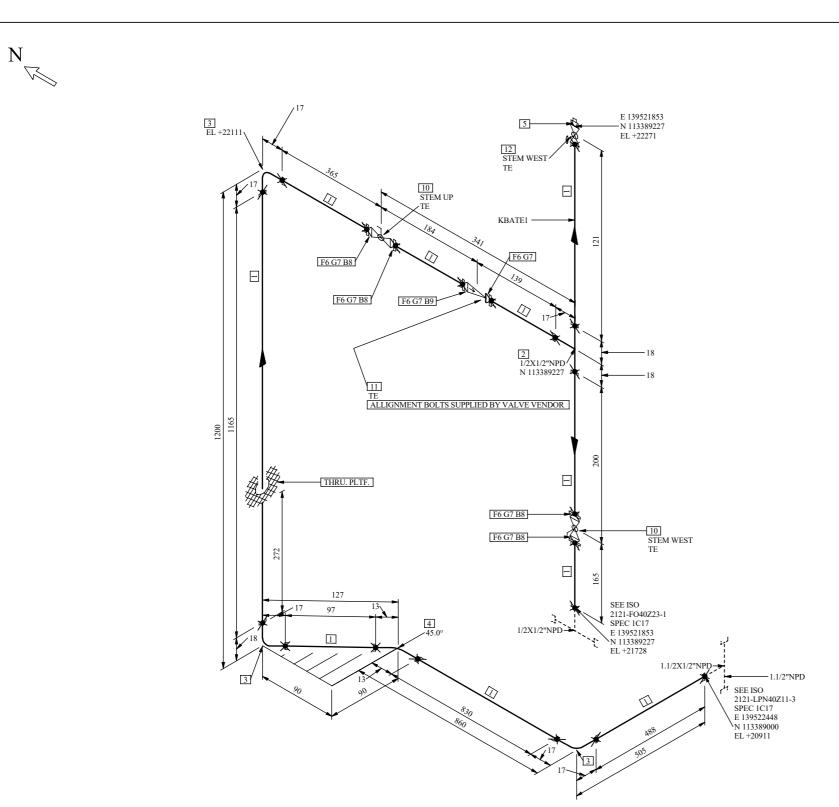
REMARKS FOR MECHANICAL SUBCONTRACTOR:

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 HOLD COMPONENT DESCRIPTION ITEM CODE QTY STATUS (IN) PIPE - A106-B PE SMLS T01AC03Z02 S-XS < PIPA010A11/2XS > (L-6679) I132777 FITTINGS TEE ASME B16.11 3000# A105N SWE SWE - R11FNC441101 NREQD < TESA300LBK1/2> 1/2X1/2 I1651299 (L-179) 90 ELBOW ASME B16.11 3000# A105N SWE SWE - R31FNC441103 NREQD I1651295 <90FA300LBK1/2>(L-178) 45 ELBOW ASME B16.11 3000# A105N SWE SWE - R32FNC441101 NREQD 11651291 <45FA300LBK1/2>(L-184) PLUG ROUND HEAD ASME B16.11 - A105N MTE NREOD - R42FOC44W001 NREOD 110088243 LANGES SW FLANGE ASME B16.5 150# A105N RFFE SWE 125 - 250 AARH F02CDC44B105 S-XS I5378341 <SWFA300R151/2XS> (L-295) SASKETS SPIRAL WOUND GASKET ASME B16.20 150# RFTBE 304/GRAFOIL CARBON STEEL SS 304 1/2 I63508894 ASME B16.5 G03GDP1IS12 < N/A > (N/A) 153437179 STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE I010B0301 <SB2R51G1/221/2> - 2 NUTS PER BOLT - 60 mm Length STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE I010B0301 153437223 <SB2R51G1/231/4> - 2 NUTS PER BOLT - 80 mm Length ALVES / IN-LINE ITEMS 110013685 10 BALL VALVE API 608 150# A216-WCB RFFE 316/R-PTFE, GF B7/2H 125 - 250 AARH 2PSB-FULL BORE FLOATING BALL OHW ASME B16.5 V04JDC29BZZG NREQD <N/A> (N/A) DISC CHECK WER VALVE ASME B16 34 150# A216-WCB RETBE 316/R-PTFE GF 125 -I10016146 250 AARH SL VERTICAL&HORIZONTAL CRACK. PRESS. 1/2 PSI ASME B16.5 V40JDC29P01 NREQD <N/A> (N/A) 2 BALL VALVE ASME B16.34 800# A105N SWE FTE 316/R-PTFE, GF 3PSB-RED BORE I67130076 FLOATING BALL OHW FIRE SAFE :API 607 & ANTISTATIC DEVICES "A60T series" TEAL V04JIC44126IG NREOD <N/A> (N/A)

OR EXTRA PIPE LENGTH F USSETING TO BE IMPLEM ROSSING BETWEEN WELI CASE OF DISCREPANCIE CTUAL CUT LENGTH OF F	REFERENC Signature for construction										
SUPPORTS LEGEND: DENOTES PARTS LIST NO PIPE — A = RESTING SUPPORT G = GUIDE F = AXIAL STOP B = ANCHOR M = SPRING S = THE LONPAD WHERE WITHOUT NUMBERING IS INDICATED, THIS MEANS THAT THERE IS A REST DIRECTLY ON STEEL STRUCTURE.											on Iso list of relevant
										STRESS CALC. Nº	TITLE LCOMPTDIC DD
										P & ID 19-A-19-000-1-01-00001 sheet 51	ISOMETRIC DRA
ISSUED FOR REF	FERENCE				25-AUG-23	U.CHAVAN	P.VAZE	G.PAGANONI		LINE LIST N° 19-L-19-000-2-00-80602	LINE
	DESCRIPTION				DATE	DRW. BY	CHECK BY	APPR. BY	APPR. CLIENT	PIPE LAYOUT N° 19-L-19-000-2-00-86197 sheet 6	1/2"-LPN-40Z18-1C17
	DR EXTRA PIPE LENGTH I SSETING TO BE IMPLEM COSSING BETWEEN WELL CASE OF DISCREPANCIE TUAL CUT LENGTH OF I HERE EARTHING BONDIN CORTS LEGEND:	DR EXTRA PIPE LENGTH REFER TO 4274-LZ-PC-00000 ISSETING TO BE IMPLEMENTED BY MECHANICAL OSSING BETWEEN WELDS ON PIPELINE SHALL NO CASE OF DISCREPANCIES BETWEEN DATA SHOWN TUAL CUT LENGTH OF PIPE AND FIELD WELDS SH HERE EARTHING BONDING IS REQUIRED, MECHANI ORTS LEGEND: DENOTES PARTS LIST NO ISSUED FOR REFERENCE	DR EXTRA PIPE LENGTH REFER TO 4274-LZ-PC-00000603. ISSETING TO BE IMPLEMENTED BY MECHANICAL SUBCONTR. ISSETING TO BE IMPLEMENTED BY MECHANICAL SUBCONTR. COSSING BETWEEN WELDS ON PIPELINE SHALL NOT BE ADMIT CASE OF DISCREPANCIES BETWEEN DATA SHOWN ON ISO AN TUAL CUT LENGTH OF PIPE AND FIELD WELDS SHALL BE DEF HERE EARTHING BONDING IS REQUIRED, MECHANICAL SUBCO CORTS LEGEND: DENOTES PARTS LIST NO PIPE SUPPORT ISSUED FOR REFERENCE	DR EXTRA PIPE LENGTH REFER TO 4274-LZ-PC-00000603. 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REFERENCE ature for construction is shown on Iso list of relevant CWA

ISSUED FOR

PIPE MATERIAL

PED CATEGORY

INSULATION CODE / THK. (mm)

Art 4.3

ANNEX

HEAT TREATMENT (PWHT)

CS

METRIC DRAWING LINE

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

PIPING CLASS 4001008 4274-XH-DL-2121LPN40Z18-1 1C17 WELDING CLASS (4) LOW LINEAL DENSITY POLYETHILENE (PEL)

AND POLYPROPYLENE (PP) PLANTS FOR PROJECT - ALBA PROJECT REPSQL

DRAWING NUMBER

CLIENT / COMPLEX REPSOL POLYMEROS/ SINES INDUSTRIAL COMPLEX

00

19-000-2-02-00001 sheet 2121LPN40Z18-1

FILENAME: 19-000-2-02-00001 sheet 2121LPN40Z18-1.dwg