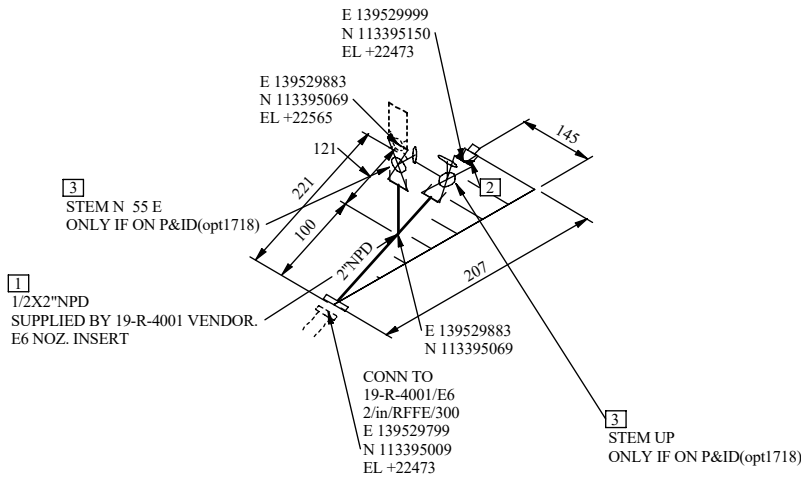



THIS DOCUMENT BELONGS TO REPSOL. IT CAN NOT BE COPIED, REPRODUCED AND/OR USED WITHOUT
PREVIOUS AUTHORIZATION OF REPSOL. COMPUTERIZED DRAWING (HANDWRITING STRICTLY FORBIDDEN).




EXTR. DATE: 27-05-2023 10:35:02

STREAM NO.:4006 STREAM REV. NO. : 9 REV. CAUSE ID:



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
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 PARTS LIST NO PIPE SUPPORT  A=RESTING SUPPORT G=GUIDE F=AXIAL STOP B=ANCHOR M=SPRING S=TEFLON PAD
WHERE  WITHOUT NUMBERING IS INDICATED, THIS MEANS THAT THERE IS A REST DIRECTLY ON STEEL STRUCTURE.

							STRESS CALC. N° -
							P & ID 19-A-19-000-1-01-00001 sheet 31
							LINE LIST N° 19-L-19-000-2-00-80602
00	ISSUED FOR CONSTRUCTION	26-MAY-23	U.CHAVAN	P.VAZE	G.PAGANONI		PIPE LAYOUT N° 19-L-19-000-2-00-86197 sheet 6
REV.	DESCRIPTION	DATE	DRW. BY	CHECK BY	APPR. BY	APPR. CLIENT	

APPROVED FOR
CONSTRUCTION



Signature for construction is shown
on Iso list of relevant CWA

ISOMETRIC DRAWING
LINE

2"-VZ-40C01-1E21 (P)

BILL OF MATERIAL

PT NO	COMPONENT DESCRIPTION	N.S. (IN)	ITEM CODE	QTY	HOLD STATUS
FITTINGS					
1	SPECIALTY COMPONENT	1/2X2	E6 NOZ. INSERT	1	
FITTINGS					
2	PLUG ROUND HEAD ASME B16.11 - A105N MTE NREQD - R42FQC44W001 NREQD <PLUA300CK1/2> (L-77)	1/2	I10088243	1	
VALVES / IN-LINE ITEMS					
3	BALL VALVE ASME B16.34 800# A216-WCB FTE FTE 316/PEEK B7/2H 3PSB-FULL BORE FLOATING BALL OHW V04JIC292204B NREQD <N/A> (N/A)	1/2	166571880	2	

PIPE MATERIAL		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. 4. 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".			
CS					
HEAT TREATMENT (PWHT) N					
PAINTING SCHEME (3) I		CONTRACTOR:	CONTRACTOR DRAWING NUMBER:		PROJECT:
PIPING CLASS 1E21			4274-XH-DL-2121VZ40C01-6		4001008
WELDING CLASS (4) E		<div><div>LOW LINEAL DENSITY POLYETHYLENE (PEL) AND POLYPROPYLENE (PP) PLANTS FOR PROJECT - ALBA PROJECT</div></div> <div>CLIENT / COMPLEX REPSOL POLYMEROS/ SINES INDUSTRIAL COMPLEX</div>			
PED CATEGORY III					
INSULATION CODE / THK. (mm) P 50		ANNEX 19	SPEC. L	DRAWING NUMBER 19-000-2-02-00001 sheet 2121VZ40C01-6	REV. 00