

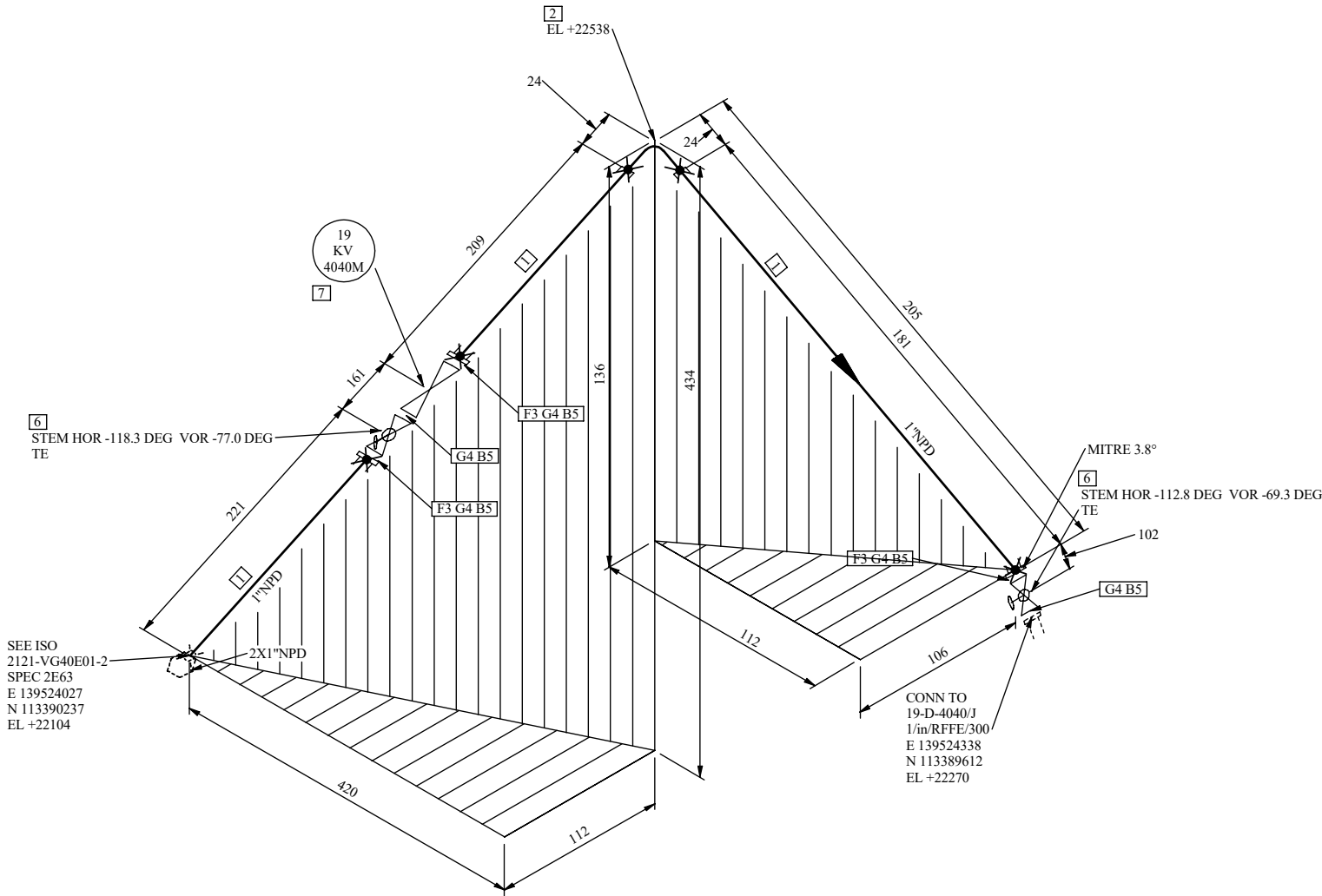
THIS DOCUMENT BELONGS TO REPSOL. IT CAN NOT BE COPIED, REPRODUCED AND/OR USED WITHOUT PREVIOUS AUTHORIZATION OF REPSOL. COMPUTERIZED DRAWING (HANDWRITING STRICTLY FORBIDDEN).



EXTR. DATE: 14-07-2023 09:39:58

STREAM NO.:4554

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: [Symbol] DENOTES PARTS LIST NO PIPE SUPPORT [Symbol] A=RESTING SUPPORT G=GUIDE F= AXIAL STOP B=ANCHOR M=SPRING S=TEFLON PAD WHERE [Symbol] 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 48
00	ISSUED FOR REFERENCE	14-JUL-23	U.CHAVAN	P.VAZE	G.PAGANONI		LINE LIST N° 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 6

ISSUED FOR REFERENCE

Signature for construction is shown on Iso list of relevant CWA

ISOMETRIC DRAWING LINE

1"-VG-40E07-2E63

BILL OF MATERIAL

PT NO	COMPONENT DESCRIPTION	N.S. (IN)	ITEM CODE	QTY	HOLD STATUS
PIPE					
1	PIPE - A312-TP304/304L DUAL GR PE SMLS T01AL2CZ02 S-40S <PIPB04DA2140S> (L-PIP111)	1	12257939	0.4 M	
FITTINGS					
2	90 ELBOW ASME B16.11 3000# A182-F304/304L DUAL GR SWE SWE - R31FNL2A1103 NREQD <90FB450LBK1> (L-90F05)	1	12258117	1	
FLANGES					
3	SW FLANGE ASME B16.5 300# A182-F316/316L DUAL GR RFFE SWE 125 - 250 AARH F02CFL1MB105 S-40S <SWFB34DR35140S> (L-SWF37)	1	12500941	3	
GASKETS					
4	SPIRAL WOUND GASKET ASME B16.20 300# RFTBE 304/PTFE SS 304 SS 304 ASME B16.5 G03GFP1IG04 <N/A> (N/A)	1	1219568	5	
BOLTS					
5	STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A320-L7/A194-7 INCH SIZE I01OB5301 <SB2R55G5/831/4> - 2 NUTS PER BOLT - 80 mm Length	5/8	155705037	20	
VALVES / IN-LINE ITEMS					
6	BALL VALVE ASME B16.34 300# A351-CF8M RFFE 316/R-PTFE, GF A193-B8M CL2/8MA 125 - 250 AARH 2PSB-FULL BORE FLOATING BALL OHW ASME B16.5 V04JFL08B05C NREQD <N/A> (N/A)	1	164815734	2	
INSTRUMENTS					
7	INSTRUMENT COMPONENT	1	19-KV-4040M	1	

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, low temperature				
HEAT TREATMENT (PWHIT)				
N	PAINTING SCHEME (3)	CONTRACTOR:	CONTRACTOR DRAWING NUMBER:	PROJECT:
NR				
PIPING CLASS				
2E63				
WELDING CLASS (4)	LOW LINEAL DENSITY POLYETHYLENE (PEL) AND POLYPROPYLENE (PP) PLANTS FOR PROJECT - ALBA PROJECT			
M				
PED CATEGORY				
Art 4.3				
INSULATION CODE / THK. (mm)	ANNEX 19	SPEC. L	DRAWING NUMBER	REV. 00
N 0			19-000-2-02-00001 sheet 2121VG40E07-1	