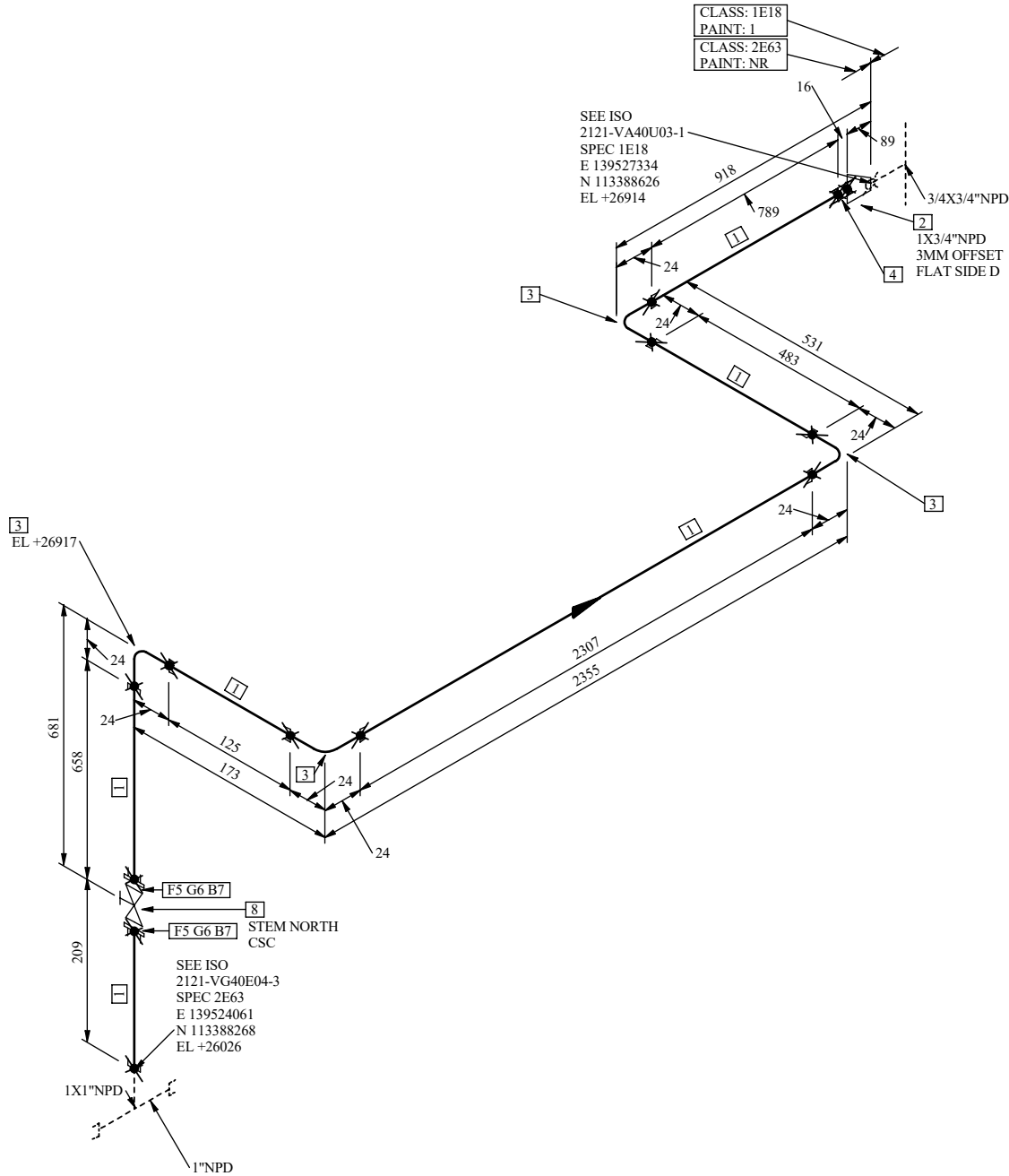


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EXTR. DATE: 28-06-2023 09:24:45






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:**  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 34
00	ISSUED FOR REFERENCE	30-JUN-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-19-000-2-00-86196 sheet 7

ISSUED FOR  
REFERENCE



Signature for construction is shown  
on Iso list of relevant CWA

TITLE  
**ISOMETRIC DRAWING  
LINE**

1"-VG-40E04-2E63

BILL OF MATERIAL

PT NO	COMPONENT DESCRIPTION	N.S. (IN)	ITEM CODE	QTY	HOLD STATUS
<b>PIPE</b>					
1	PIPE - A312-TP304/304L DUAL GR PE SMLS T01AL2CZ02 S-40S <PIPB04DA2140S> (L-PIP111)	1	12257939	4.4 M	
<b>FITTINGS</b>					
2	ECCENTRIC SWAGE MSS SP-95 - A182-F304/304L DUAL GR PE PE SMLS SCH1-40S SCH2-40S R22FQL2AZZ04 <ESWB04DAR12011101> (L-ESW23)	1X3/4	158060789	1	
3	90 ELBOW ASME B16.11 3000# A182-F304/304L DUAL GR SWE SWE - R31FNL2A1103 NREQD <90FB450LBK1> (L-90F05)	1	12258117	4	
4	COUPLING ASME B16.11 3000# A182-F304/304L DUAL GR SWE SWE - R01FNL2A1101 NREQD <FCPB450LBK1> (L-FCP08)	1	12258105	1	
<b>FLANGES</b>					
5	SW FLANGE ASME B16.5 300# A182-F316/316L DUAL GR RFFE SWE 125 - 250 AARH F02CFL1MB105 S-40S <SWFB34DR35140S> (L-SWF37)	1	12500941	2	
<b>GASKETS</b>					
6	SPIRAL WOUND GASKET ASME B16.20 300# RFTBE 304/PTFE SS 304 SS 304 ASME B16.5 G03GFP1IG04 <N/A> (N/A)	1	1219568	2	
<b>BOLTS</b>					
7	STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A320-L7/A194-7 INCH SIZE I010B5301 <SB2R55G5/831/4> - 2 NUTS PER BOLT - 80 mm Length	5/8	155705037	8	
<b>VALVES / IN-LINE ITEMS</b>					
8	GATE VALVE API 602 300# A182-F316/316L DUAL GR RFFE I2-316&HF SPW-316/PTFE A193-B8M CL2/8MA 125 - 250 AARH BB-OS&Y SOW PTFE HW ASME B16.5 V01GFL1MB511 NREQD <G41L-AL017> (L-AL017)	1	164004275	1	

PIPE MATERIAL	<b>NOTES:</b> 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)	NR	CONTRACTOR:	CONTRACTOR DRAWING NUMBER:
PIPING CLASS	2E63		4274-XH-DL-2121VG40E04-4
WELDING CLASS (4)	M	 <b>LOW LINEAL DENSITY POLYETHYLENE (PEL) AND POLYPROPYLENE (PP) PLANTS</b> FOR PROJECT - ALBA PROJECT	
PED CATEGORY	Art 4.3		
INSULATION CODE / THK. (mm)	N 0	ANNEX 19	SPEC. L
DRAWING NUMBER 19-000-2-02-00001 sheet 2121VG40E04-4			REV. 00