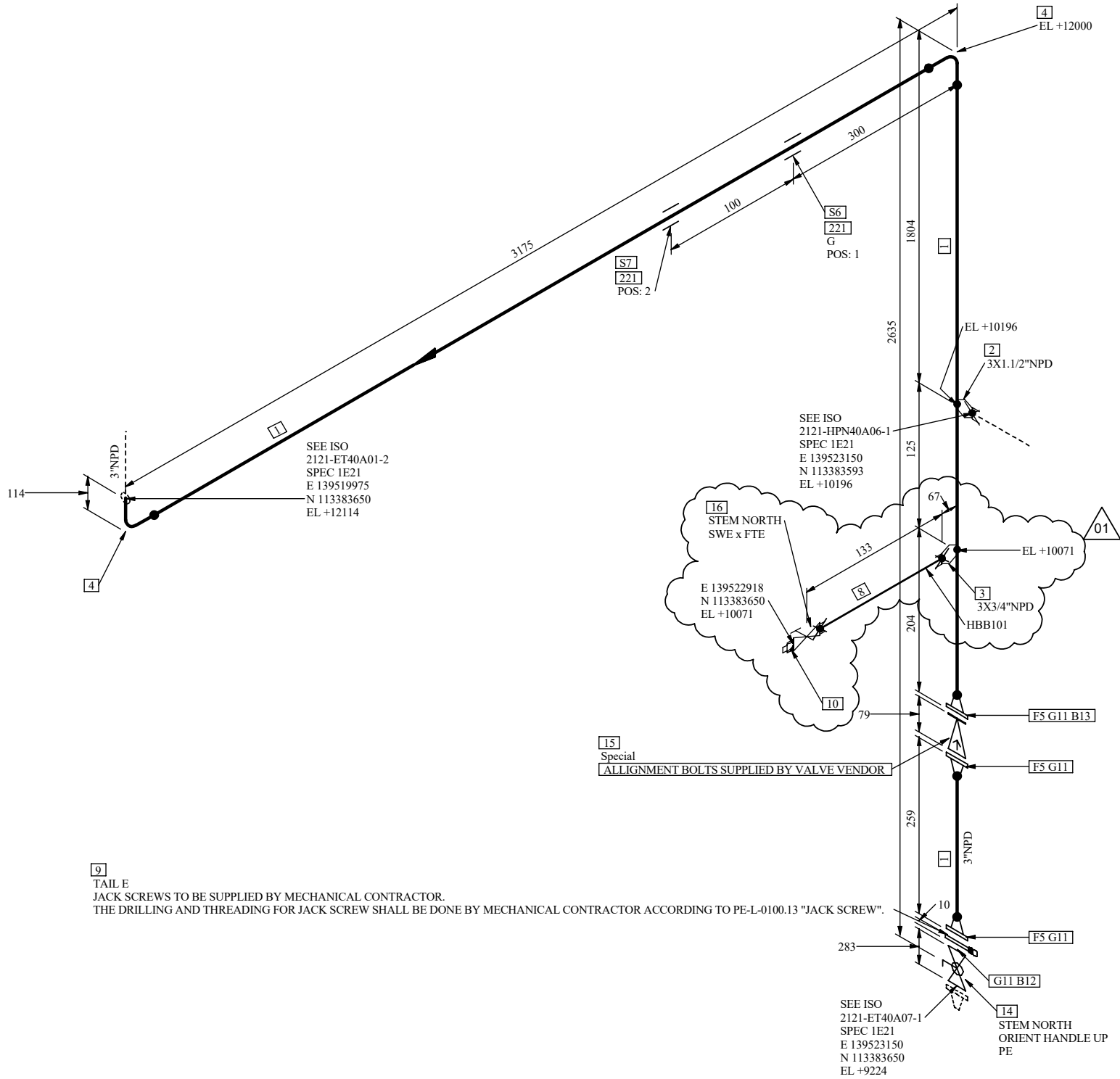


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EXTR. DATE: 05-07-2023 10:35:55





STREAM NO.:4001

REV. CAUSE ID: 23



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° -
01	ISSUED FOR CONSTRUCTION	06-JUL-23	U.CHAVAN	P.VAZE	G.PAGANONI		P & ID 19-A-19-000-1-01-00001 sheet 28
00	ISSUED FOR CONSTRUCTION	02-DEC-22	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 3

APPROVED FOR
CONSTRUCTION

Signature for construction is shown
on Iso list of relevant CWA

ISOMETRIC DRAWING
LINE

3"-ET-40A01-1E21

BILL OF MATERIAL					
PT NO	COMPONENT DESCRIPTION	N.S. (IN)	ITEM CODE	QTY	HOLD STATUS
PIPE					
1	PIPE - A106-B BE SMLS T01AC03V02 S-STD <PIPA010B13STD> (L-7806)	3	I117921	5.0 M	
FITTINGS					
2	REDUCING SOCKOLET MSS-SP-97 3000# A105N BE SWE - R13DNC44V101 NREQD <SOKA300LB01513> (L-343)	3X1.1/2	I1651321	1	
3	REDUCING SOCKOLET MSS-SP-97 3000# A105N BE SWE - R13DNC44V101 NREQD <SOKA300LB01511> (L-343)	3X3/4	I1651368	1	
4	90 LR ELBOW ASME B16.9 A234-WPB BE SMLS C01DC04V01 S-STD <90LA200F33STD> (L-7955)	3	I128599	2	
FLANGES					
5	WN FLANGE ASME B16.5 300# A105N RFFE BE 125 - 250 AARH F01CFC44BV05 S-STD <WNFA300R353STD> (L-236)	3	I4217853	3	
PIPE SUPPORTS					
6	STANDARD GUIDE FOR NOT INS. PIPING-N1G1	3	221	1	
7	VERTICAL STAKES WELDED TO STR. ST42 L100X100X10	3	221	1	
PIPE					
8	PIPE - A106-B PE SMLS T01AC03Z02 S-XS <PIPA010A13/4XS> (L-6679)	3/4	I132785	0.2 M	
FITTINGS					
9	SPECTACLE DISC ASME B16.48 300# A516-70 NORM. FFTBE 125 - 250 AARH SUPPL. REQ. S5 ASME B16.5 D0601FC65O04 NREQD <FI8A510F3A15> (L-FI827)	3	I4299243	1	
10	PLUG ROUND HEAD ASME B16.11 - A105N MTE NREQD - R42FQC44W001 NREQD <PLUA300CK3/4> (L-77)	3/4	I10088232	1	
GASKETS					
11	SPIRAL WOUND GASKET ASME B16.20 300# RFTBE 304/GRAFOIL CARBON STEEL SS 304 ASME B16.5 G03GFP11S12 <N/A> (N/A)	3	I63508968	4	
BOLTS					
12	STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE I01OB0301 <SB2R51G3/45> - 2 NUTS PER BOLT - 125 mm Length	3/4	I53437468	8	
13	STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE I01OB0301 <SB2R51G3/473/4> - 2 NUTS PER BOLT - 195 mm Length	3/4	I53437482	8	
VALVES / IN-LINE ITEMS					
14	BALL V-FLT-SS-FB API 608 300# A216-WCB RFFE 316/PEEK B7/2H 125 - 250 AARH 2PSB-FULL BORE FLOATING BALL LE TIGHT SHUT-OFF (TSO) ASME B16.5 V1FJFC29B01E NREQD <B43L-AL104> (L-AL104)	3	I63782499	1	
15	DISC CHECK WFR VALVE ASME B16.34 300# A216-WCB RFTBE 316/PEEK 125 - 250 AARH SL VERTICAL&HORIZONTAL CRACKING PRESSURE AT 4.25 PSI ASME B16.5 V40JFC29P12 NREQD <N/A> (N/A)	3	I65527869	1	
16	GATE VALVE API 602 800# A105N SWE FTE 8-F6&HF WB-OS&Y SOW API 602 HW V01GIC4412BL NREQD <N/A> (N/A)	3/4	I10015410	1	
PIPE MATERIAL		NOTES: 1. FOR TECHNICAL DETAILS SEE LINE LIST.			
CS		2. FOR VENT, DRAIN OR INSTRUMENT CONNECTION DETAILS SEE 45-L-45-000-2-00-80102.			
HEAT TREATMENT (PWHT)		3. WELDING ACCORDING TO 45-L-45-000-2-00-80021.			
N		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".			
PAINTING SCHEME (3)		CONTRACTOR:	CONTRACTOR DRAWING NUMBER:	PROJECT:	
1			4274-XH-DL-2121ET40A01-1	4001008	
PIPING CLASS					
IE21					
WELDING CLASS (4)		LOW LINEAL DENSITY POLYETHYLENE (PEL)			
E		AND POLYPROPYLENE (PP) PLANTS			
PED CATEGORY		CLIENT / COMPLEX			
II		REPSOL POLYMEROS/			
		SINES INDUSTRIAL COMPLEX			
INSULATION CODE / THK. (mm)		ANNEX	SPEC.	DRAWING NUMBER	
N 0		19	L	19-000-2-02-00001 sheet 2121ET40A01-1	
				REV. 01	