

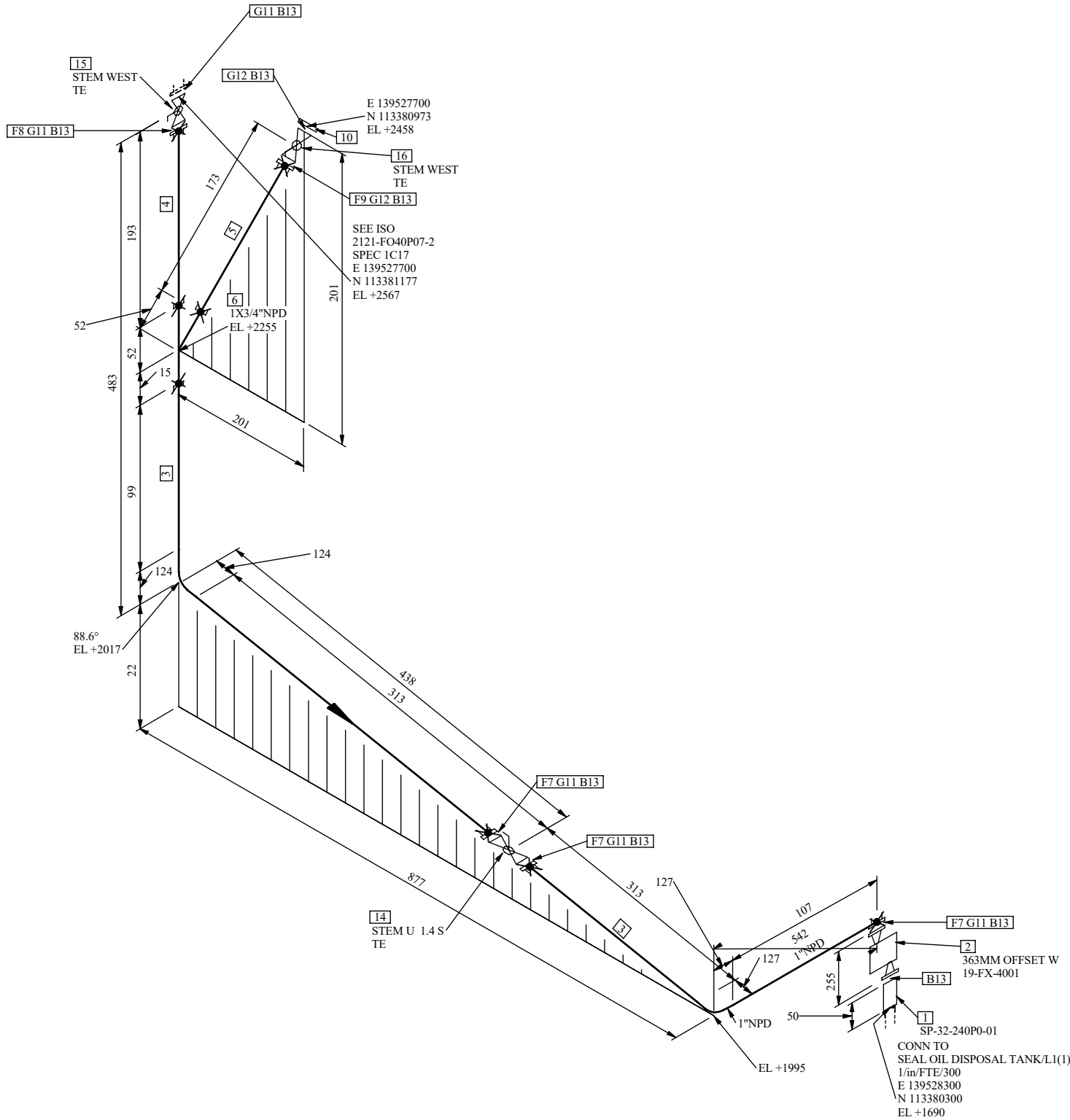
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EXTR. DATE: 28-03-2024 21:34:02

STREAM NO.:4300

REV. CAUSE ID:

10



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.

REV.	DESCRIPTION	DATE	DRW. BY	CHECK BY	APPR. BY	APPR. CLIENT	STRESS CALC. N°
01	ISSUED FOR REFERENCE	29-MAR-24	M.YADAV	P.VAZE	G.PAGANONI		P & ID 19-A-19-000-1-01-00001 sheet 45
00	ISSUED FOR REFERENCE	07-JUL-23	M.YADAV	P.VAZE	G.PAGANONI		LINE LIST N° 19-L-19-000-2-00-80602
							PIPE LAYOUT N° 19-L-19-000-2-00-86196 sheet 1

ISSUED FOR
REFERENCE



Signature for construction is shown
on Iso list of relevant CWA

ISOMETRIC DRAWING
LINE

1"-FO-40P08-1C17

BILL OF MATERIAL

PT NO	COMPONENT DESCRIPTION	N.S. (IN)	ITEM CODE	QTY	HOLD STATUS
FITTINGS					
1	SPECIALTY COMPONENT	1	SP-32-240P0-01	1	
VALVES / IN-LINE ITEMS					
2	SPECIALTY COMPONENT	1	19-FX-4001	1	
PIPE					
3	PIPE - A106-B PE SMLS T01AC03Z02 S-XS <PIPA010A11XS> (L-6679)	1	1132793	1.1 M	
4	PIPE - A106-B PE SMLS T01AC03Z02 S-XS <PIPA010A11XS> (L-6679).	1	1132793	0.2 M	
5	PIPE - A106-B PE SMLS T01AC03Z02 S-XS <PIPA010A13/4XS> (L-6679).	3/4	1132785	0.2 M	
FITTINGS					
6	REDUCING 45 LATERAL ASME B16.11/AA 3000# A105N SWE SWE - R18RNC441101 Undefined <LR4A300LB1211> (L-LR403).	1X3/4	163782626	1	
FLANGES					
7	SW FLANGE ASME B16.5 150# A105N RFFE SWE 125 - 250 AARH F02CDC44B105 S-XS <SWFA300R151XS> (L-295)	1	15378343	3	
8	SW FLANGE ASME B16.5 150# A105N RFFE SWE 125 - 250 AARH F02CDC44B105 S-XS <SWFA300R151XS> (L-295).	1	15378343	1	
9	SW FLANGE ASME B16.5 150# A105N RFFE SWE 125 - 250 AARH F02CDC44B105 S-XS <SWFA300R153/4XS> (L-295)	3/4	15378342	1	
10	BLIND FLANGE ASME B16.5 150# A105N RFFE NREQD 125 - 250 AARH F10CDC44B005 <BLFA300R153/4> (L-140)	3/4	11652356	1	
GASKETS					
11	SPIRAL WOUND GASKET ASME B16.20 150# RFTBE 304/GRAFOIL CARBON STEEL SS 304 ASME B16.5 G03GDP1IS12 <N/A> (N/A)	1	163508896	5	
12	SPIRAL WOUND GASKET ASME B16.20 150# RFTBE 304/GRAFOIL CARBON STEEL SS 304 ASME B16.5 G03GDP1IS12 <N/A> (N/A)	3/4	163508895	2	
BOLTS					
13	STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE I01OB0301 <SB2R51G1/221/2> - 2 NUTS PER BOLT - 65 mm Length	1/2	153437190	32	
VALVES / IN-LINE ITEMS					
14	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)	1	110013687	1	
15	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).	1	110013687	1	
16	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)	3/4	110013686	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			
HEAT TREATMENT (PWHT)			
N			
PAINTING SCHEME (3)	1	CONTRACTOR:	CONTRACTOR DRAWING NUMBER:
PIPING CLASS	1C17		4274-XH-DL-2121FO40P08-1
WELDING CLASS (4)	E	 LOW LINEAL DENSITY POLYETHYLENE (PEL) AND POLYPROPYLENE (PP) PLANTS 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 2121FO40P08-1			REV. 01