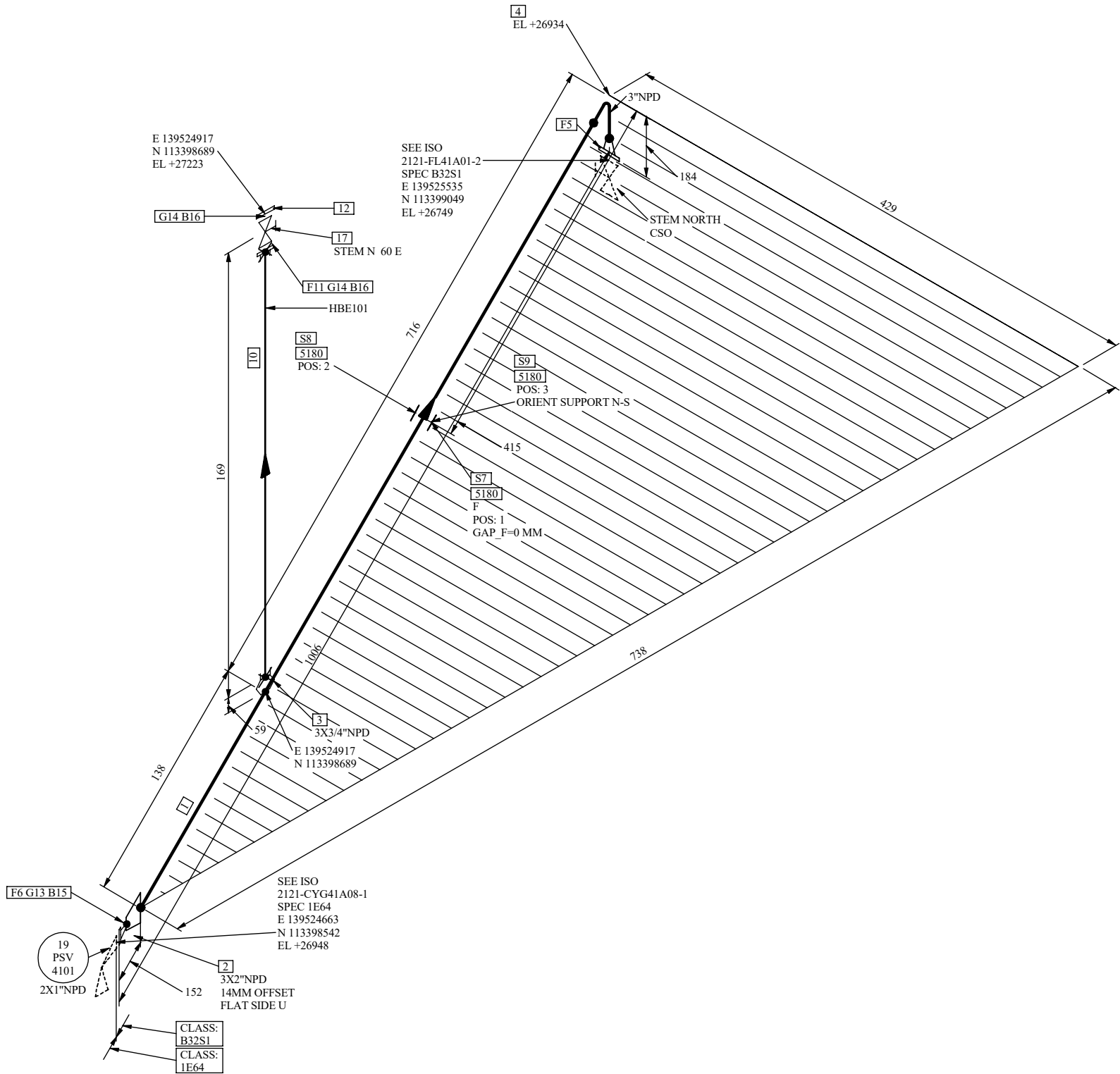


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EXTR. DATE: 09-12-2022 20:29:18

STREAM NO.:3351

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.

<b>SUPPORTS LEGEND:</b>	DENOTES PARTS LIST NO	PIPE SUPPORT	A=RESTING SUPPORT WHERE  WITHOUT NUMBERING IS INDICATED, THIS MEANS THAT THERE IS A REST DIRECTLY ON STEEL STRUCTURE.	G=GUIDE	F=AXIAL STOP	B=ANCHOR	M=SPRING	S=TEFLON PAD
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							STRESS CALC. N° REP-PE-023
							P & ID 19-A-19-000-1-01-00001 sheet 52
							LINE LIST N° 19-L-19-000-2-00-80602
							PIPE LAYOUT N° 19-L-19-000-2-00-86197 sheet 7
00	ISSUED FOR CONSTRUCTION	09-DEC-22	M.YADAV	P.VAZE	G.PAGANONI		
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

3"-FL-41A01-B32S1 (P)

BILL OF MATERIAL

PT NO	COMPONENT DESCRIPTION	N.S. (IN)	ITEM CODE	QTY	HOLD STATUS
PIPE					
1	PIPE - A333-6 BE SMLS T01AC22V02 S-STD <PIPL020B13STD> (L-8199).	3	I146278	0.8 M	
FITTINGS					
2	ECCENTRIC REDUCER ASME B16.9 A420-WPL6 BE SMLS C22DC09V01 S-STD S-STD <EREL210F315151415> (L-8238)	3X2	I213207	1	
3	REDUCING SOCKOLET MSS-SP-97 3000# A350-LF2 Class 1 BE SWE - R13DNC07V101 NREQD <SOKL300LB01511> (L-7906).	3X3/4	I368227	1	
4	90 LR ELBOW ASME B16.9 A420-WPL6 BE SMLS C01DC09V01 S-STD <90LL210F33STD> (L-7966).	3	I213645	1	
FLANGES					
5	WN FLANGE ASME B16.5 150# A350-LF2 Class 1 RFFE BE 125 - 250 AARH F01CDC07BV05 S-STD <WNFL300R153STD> (L-7971).	3	I140827	1	
6	WN FLANGE ASME B16.5 150# A350-LF2 Class 1 RFFE BE 125 - 250 AARH F01CDC07BV05 S-STD <WNFL300R152STD> (L-7971)	2	I140779	1	
PIPE SUPPORTS					
7	WELDED AXIAL STOP -C1F1 H = 100 L = 120	3	5180	1	
8	STAKES SUPPORTS ST05 HEA120	3	5180	1	
9	PIPING SUPPORT - BEAMS- BE03 HEA160	3	5180	1	
PIPE					
10	PIPE - A333-6 PE SMLS T01AC22Z02 S-XS <PIPL020A13/4XS> (L-PIP01)	3/4	I146384	0.2 M	
FLANGES					
11	SW FLANGE ASME B16.5 150# A350-LF2 Class 1 RFFE SWE 125 - 250 AARH F02CDC07B105 S-XS <SWFL300R153/4XS> (L-7970)	3/4	I820457	1	
12	BLIND FLANGE ASME B16.5 150# A350-LF2 Class 1 RFFE NREQD 125 - 250 AARH F10CDC07B005 <BLFL300R153/4> (L-7972)	3/4	I560221	1	
GASKETS					
13	SPIRAL WOUND GASKET ASME B16.20 150# RFTBE 316/GRAP LTCS SS 316 ASME B16.5 G03GDP1IAG8 <N/A> (N/A)	2	I46364680	1	
14	FLAT RING GASKET ASME B16.21 150# RFTBE NA/CARBON/NBR ASME B16.5 G02HDP2QS01 <NMGQ102R1F3/4> (L-NMG17)	3/4	I1655198	2	
BOLTS					
15	STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A320-L7/A194-7 INCH SIZE I010B5301 <SB2R55G5/831/2> - 2 NUTS PER BOLT - 85 mm Length	5/8	I55705048	4	
16	STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A320-L7/A194-7 INCH SIZE I010B5301 <SB2R55G1/221/2> - 2 NUTS PER BOLT - 65 mm Length	1/2	I55704809	8	
VALVES / IN-LINE ITEMS					
17	GATE VALVE API 602 150# A350-LF2 Class 1 RFFE 10-316 API 602 L7/7 125 - 250 AARH BB-OS&Y SOW API 602 HW ASME B16.5 V01GDC07BHX1 NREQD <G43_4L-AL011> (L-AL011)	3/4	I63584653	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)			
PAINTING SCHEME (3)	CONTRACTOR:	CONTRACTOR DRAWING NUMBER:	PROJECT:
1		4274-XH-DL-2121FL41A01-1	4001008
PIPING CLASS	 LOW LINEAL DENSITY POLYETHYLENE (PEL) AND POLYPROPYLENE (PP) PLANTS FOR PROJECT - ALBA PROJECT CLIENT / COMPLEX REPSOL POLYMEROS/ SINES INDUSTRIAL COMPLEX		
B32S1			
WELDING CLASS (4)	ANNEX 19 SPEC. L DRAWING NUMBER 19-000-2-02-00001 sheet 2121FL41A01-1		
M			
PED CATEGORY	REV. 00		
I			
INSULATION CODE / THK. (mm)	DRAWING NUMBER 19-000-2-02-00001 sheet 2121FL41A01-1		
P 50			