

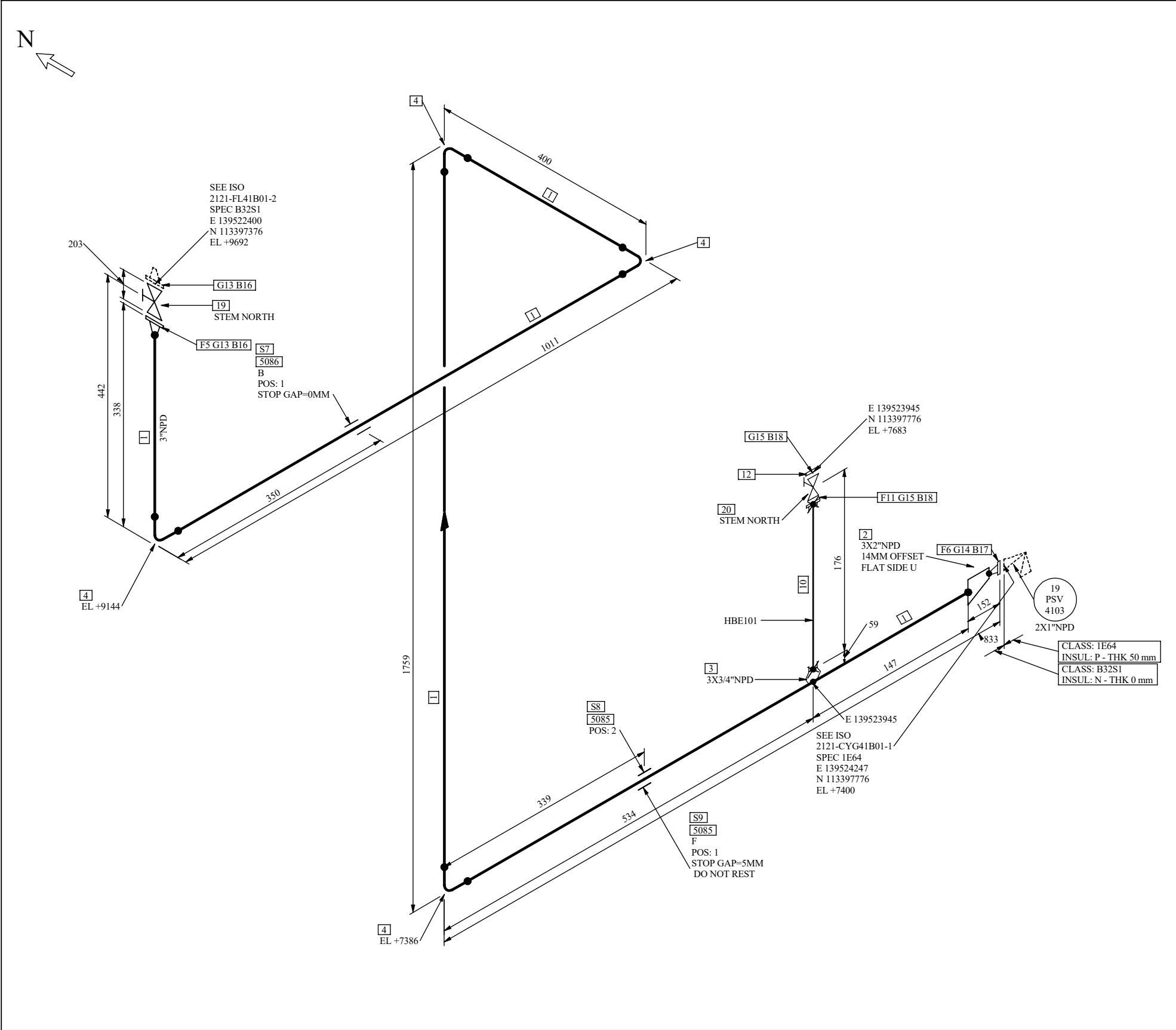
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EXTR. DATE: 22-12-2022 07:27:02






STREAM NO.:3351



REV. CAUSE ID:

7



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	3.3 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	4	
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	GUIDE AND STOP HORIZ VERT SUPPORT-N1B1	3	5086	1	
8	STAKES SUPPORTS ST05 HEA120	3	5085	1	
9	STOP HORIZ VERT FOR NOT INS. PIPING-N1F1	3	5085	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	FLAT RING GASKET ASME B16.21 150# RFTBE NA/CARBON/NBR ASME B16.5 G02HDP2QS01 <NMGQ102R1F3> (L-NMG17)	3	I1169079	2	
14	SPIRAL WOUND GASKET ASME B16.20 150# RFTBE 316/GRAP LTCS SS 316 ASME B16.5 G03GDP1IAG8 <N/A> (N/A)	2	I46364680	1	
15	FLAT RING GASKET ASME B16.21 150# RFTBE NA/CARBON/NBR ASME B16.5 G02HDP2QS01 <NMGQ102R1F3/4> (L-NMG17)	3/4	I1655198	2	
BOLTS					
16	STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A320-L7/A194-7 INCH SIZE I01OB5301 <SB2R55G5/831/2> - 2 NUTS PER BOLT - 90 mm Length	5/8	I55705059	8	
17	STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A320-L7/A194-7 INCH SIZE I01OB5301 <SB2R55G5/831/2> - 2 NUTS PER BOLT - 85 mm Length	5/8	I55705048	4	
18	STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A320-L7/A194-7 INCH SIZE I01OB5301 <SB2R55G1/221/2> - 2 NUTS PER BOLT - 65 mm Length	1/2	I55704809	8	
VALVES / IN-LINE ITEMS					
19	GATE VALVE API 600 150# A352-LCC RFFE 10-316 API 600 L7/7 125 - 250 AARH BB-OS&Y FLXW API 600 HW ASME B16.5 V01FDC82B12R NREQD <G43L-8353> (L-8353).	3	I63584469	1	
20	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	

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° REP-PE-046
						P & ID 19-A-19-000-1-01-00001 sheet 53
00	ISSUED FOR CONSTRUCTION	23-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-19-000-2-00-86197 sheet 3

APPROVED FOR CONSTRUCTION	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											
Signature for construction is shown on Iso list of relevant CWA	PAINTING SCHEME (3)		CONTRACTOR: 		CONTRACTOR DRAWING NUMBER: 4274-XH-DL-2121FL41B01-1		PROJECT: 4001008					
	1											
	PIPING CLASS											
	B32S1											
TITLE ISOMETRIC DRAWING LINE 3"-FL-41B01-B32S1	WELDING CLASS (4)						LOW LINEAL DENSITY POLYETHYLENE (PEL) AND POLYPROPYLENE (PP) PLANTS FOR PROJECT - ALBA PROJECT				CLIENT / COMPLEX REPSOL POLYMEROS/ SINES INDUSTRIAL COMPLEX	
	M											
	PED CATEGORY											
	I											
	INSULATION CODE / THK. (mm)		ANNEX		SPEC.		DRAWING NUMBER				REV.	
	N 0		19		L		19-000-2-02-00001 sheet 2121FL41B01-1				00	