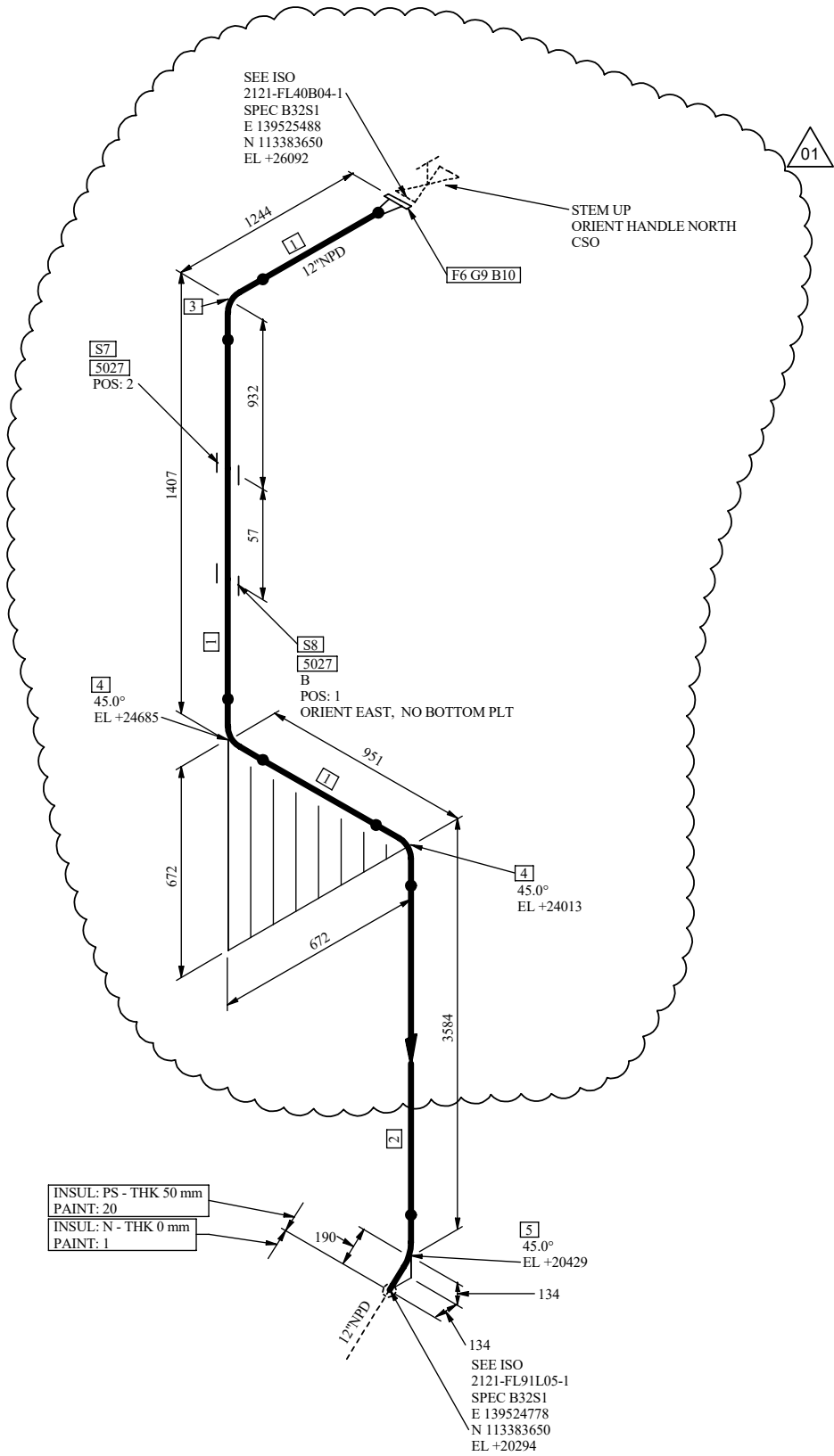


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EXTR. DATE: 18-08-2023 11:15:10




STREAM NO.:3351

REV. CAUSE ID: 9



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 FEAA005 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-001
01	ISSUED FOR CONSTRUCTION	18-AUG-23	M.YADAV	P.VAZE	G.PAGANONI		P & ID 19-A-19-000-1-01-00001 sheet 29
00	ISSUED FOR CONSTRUCTION	27-JAN-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

APPROVED FOR
CONSTRUCTION

Signature for construction is shown
on Iso list of relevant CWA

ISOMETRIC DRAWING
LINE

12"-FL-40B04-B32S1 (PS)

BILL OF MATERIAL

PT NO	COMPONENT DESCRIPTION	N.S. (IN)	ITEM CODE	QTY	HOLD STATUS
PIPE					
1	PIPE - A333-6 BE SMLS T01AC22V02 S-20 <PIPL020B11220> (L-8200)	12	I146163	2.1 M	
2	PIPE - A333-6 BE SMLS T01AC22V02 S-20 <PIPL020B11220> (L-8200).	12	I146163	3.3 M	
FITTINGS					
3	90 LR ELBOW ASME B16.9 A420-WPL6 BE SMLS C01DC09V01 S-20 <90LL210F31220> (L-7967).	12	I214678	1	
4	45 LR ELBOW ASME B16.9 A420-WPL6 BE SMLS C02DC09V01 S-20 <45LL210F31220> (L-8231)	12	I214687	2	
5	45 LR ELBOW ASME B16.9 A420-WPL6 BE SMLS C02DC09V01 S-20 <45LL210F31220> (L-8231).	12	I214687	1	
FLANGES					
6	WN FLANGE ASME B16.5 150# A350-LF2 Class 1 RFFE BE 125 - 250 AARH F01CDC07BV05 S-20 <WNFL300R151220> (L-7971).	12	I140719	1	
PIPE SUPPORTS					
7	PIPING SUPPORT - BEAMS- BE03 HEA120	12	5027	1	
8	WELDED ANCHOR -C1B1 H = 100 L = 114	12	5027	1	
GASKETS					
9	FLAT RING GASKET ASME B16.21 150# RFTBE NA/CARBON/NBR ASME B16.5 G02HDP2QS01 <NMGQ102R1F12> (L-NMG17) .	12	I1169073	1	
BOLTS					
10	STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A320-L7/A194-7 INCH SIZE I010B5301 <SB2R55G7/85> - 2 NUTS PER BOLT . - 125 mm Length	7/8	I55705282	12	

PIPE MATERIAL

CS, low temperature

HEAT TREATMENT (PWHIT)

N

PAINTING SCHEME (3)

20

PIPING CLASS

B32S1

WELDING CLASS (4)

M

PED CATEGORY

II

INSULATION CODE / THK. (mm)

PS

50

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".



CONTRACTOR:

CONTRACTOR DRAWING NUMBER:

4274-XH-DL-2121FL40B04-2

PROJECT:

4001008



LOW LINEAL DENSITY POLYETHYLENE (PEL)
AND POLYPROPYLENE (PP) PLANTS
FOR PROJECT - ALBA PROJECT

CLIENT / COMPLEX
REPSOL POLYMERS/
SINES INDUSTRIAL COMPLEX

ANNEX
19

SPEC.
L

DRAWING NUMBER
19-000-2-02-00001 sheet 2121FL40B04-2

REV.
01