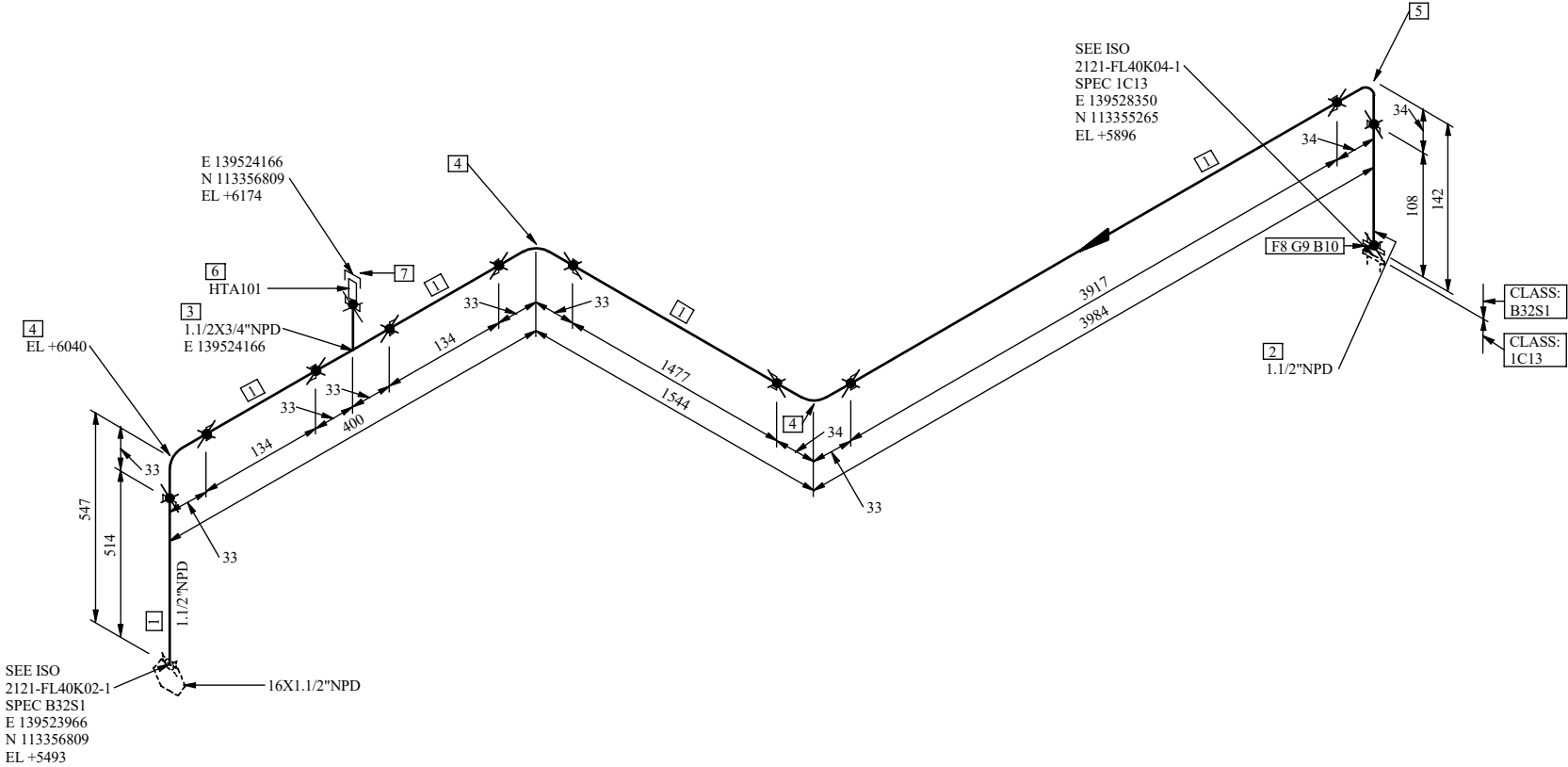


THIS DOCUMENT BELONGS TO REPSOL. IT CAN NOT BE COPIED, REPRODUCED AND/OR USED WITHOUT PREVIOUS AUTHORIZATION OF REPSOL. COMPUTERIZED DRAWING (HANDWRITING STRICTLY FORBIDDEN).


EXTR. DATE: 12-05-2023 08:20:52





STREAM NO.:4354

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.

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° - |
| | | | | | | | P & ID 19-A-19-000-1-01-00001 sheet 41 |
| 00 | ISSUED FOR REFERENCE | 12-MAY-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-19-000-2-00-86192 sheet 2 |

ISSUED FOR
REFERENCE



Signature for construction is shown
on Iso list of relevant CWA

TITLE
**ISOMETRIC DRAWING
LINE**

1-1/2"-FL-40K09-B32S1

BILL OF MATERIAL

| PT NO | COMPONENT DESCRIPTION | N.S. (IN) | ITEM CODE | QTY | HOLD STATUS |
|----------|---|-----------|-----------|-------|-------------|
| PIPE | | | | | |
| 1 | PIPE - A333-6 PE SMLS T01AC22Z02 S-XS <PIPL020A111/2XS> (L-PIP01). | 1.1/2 | I146408 | 6.2 M | |
| 2 | PIPE - A333-6 PE SMLS T01AC22Z02 S-XS <PIPL020A111/2XS> (L-PIP01) | 1.1/2 | I146408 | 0.1 M | |
| FITTINGS | | | | | |
| 3 | REDUCING TEE ASME B16.11 3000# A350-LF2 Class 1 SWE SWE - R12FNC071101 NREQD <RTEL300LBK11/23/4> (L-RTE09) | 1.1/2X3/4 | I213632 | 1 | |
| 4 | 90 ELBOW ASME B16.11 3000# A350-LF2 Class 1 SWE SWE - R31FNC071103 NREQD <90FL300LBK11/2> (L-7900). | 1.1/2 | I213765 | 3 | |
| 5 | 90 ELBOW ASME B16.11 3000# A350-LF2 Class 1 SWE SWE - R31FNC071103 NREQD <90FL300LBK11/2> (L-7900) | 1.1/2 | I213765 | 1 | |
| 6 | NIPPLE - - A333-6 PE MTE SMLS LENGTH 100mm R03AQC22ZW04 S-XS <NTOL020E1111624> (L-9260) | 3/4 | I3554371 | 1 | |
| 7 | CAP ASME B16.11 3000# A350-LF2 Class 1 FTE NREQD - R41FNC072001 NREQD <CATL300KBK3/4> (L-7902) | 3/4 | I118032 | 1 | |
| FLANGES | | | | | |
| 8 | SW FLANGE ASME B16.5 150# A350-LF2 Class 1 RFFE SWE 125 - 250 AARH F02CDC07B105 S-XS <SWFL300R1511/2XS> (L-7970) | 1.1/2 | I820487 | 1 | |
| GASKETS | | | | | |
| 9 | SPIRAL WOUND GASKET ASME B16.20 150# RFTBE 316/GRAP LTCS SS 316 ASME B16.5 G03GDP11AG8 <N/A> (N/A) | 1.1/2 | I46364674 | 1 | |
| BOLTS | | | | | |
| 10 | STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A320-L7/A194-7 INCH SIZE I01OB5301 <SB2R55G1/223/4> - 2 NUTS PER BOLT - 70 mm Length | 1/2 | I55704820 | 4 | |

| | | | | | | |
|---|--|--|--|---|--|------------|
| 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 (PWHT) N | | | | | | |
| PAINTING SCHEME (3) I | | CONTRACTOR:  | CONTRACTOR DRAWING NUMBER: 4274-XH-DL-2121FL40K09-1 | PROJECT: 4001008 | | |
| PIPING CLASS B32S1 | | | | | | |
| WELDING CLASS (4) M | | <div>LOW LINEAL DENSITY POLYETHYLENE (PEL) AND POLYPROPYLENE (PP) PLANTS FOR PROJECT - ALBA PROJECT</div> <div>CLIENT / COMPLEX REPSOL POLYMEROS/ SINES INDUSTRIAL COMPLEX</div> | | | | |
| PED CATEGORY III | | | | | | |
| INSULATION CODE / THK. (mm) N 0 | | ANNEX 19 | SPEC. L | DRAWING NUMBER 19-000-2-02-00001 sheet 2121FL40K09-1 | | REV. 00 |