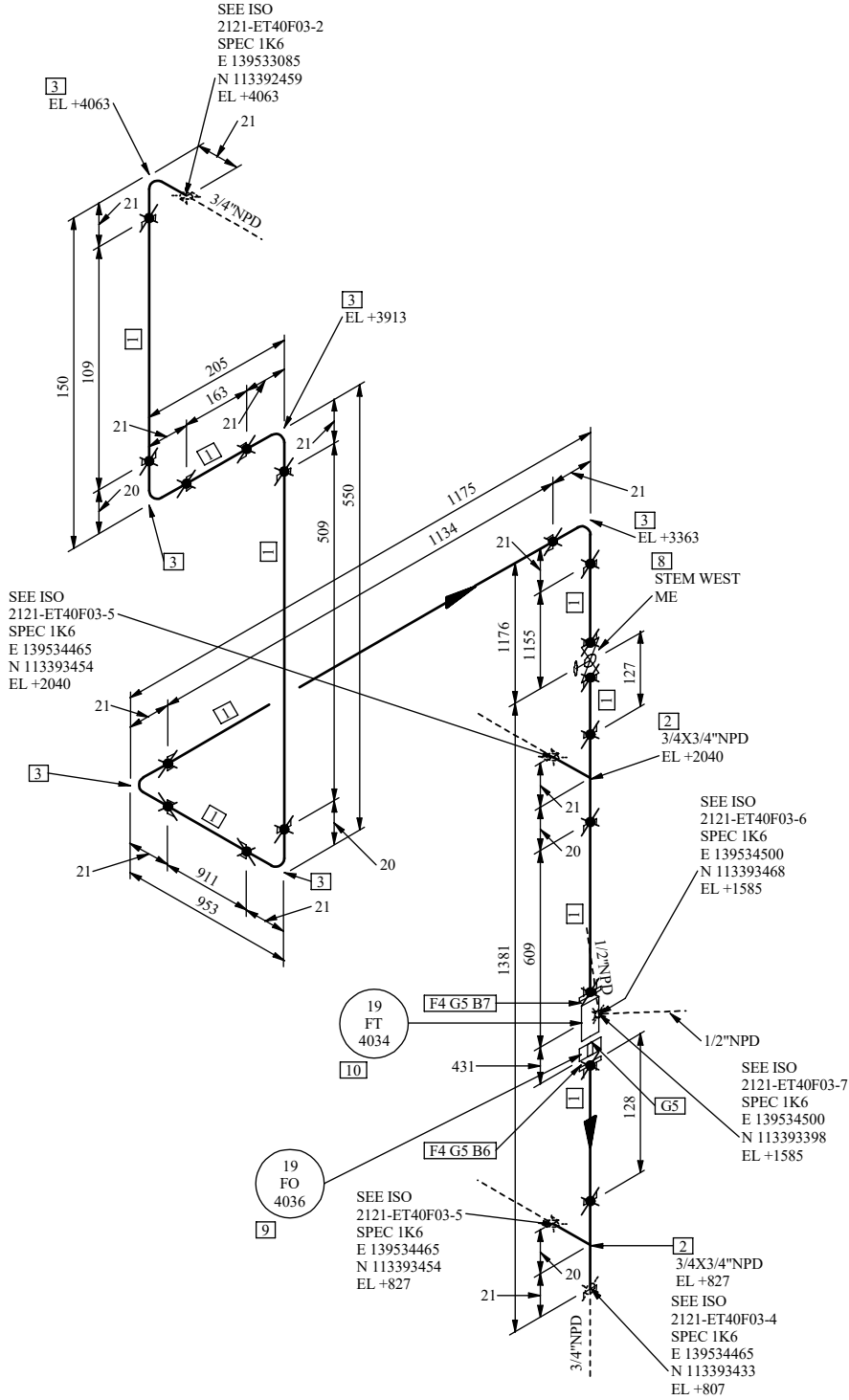


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
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



STREAM NO.:4008

REV. CAUSE ID: 4



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° |
|------|----------------------|-----------|----------|----------|------------|--------------|--|
| 01 | ISSUED FOR REFERENCE | 05-APR-24 | M.YADAV | P.VAZE | G.PAGANONI | | P & ID 19-A-19-000-1-01-00001 sheet 36 |
| 00 | ISSUED FOR REFERENCE | 07-JUL-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-19-000-2-00-86197 sheet 1 |

ISSUED FOR
REFERENCE



Signature for construction is shown
on Iso list of relevant CWA

TITLE
**ISOMETRIC DRAWING
LINE**

3/4"-ET-40F03-1K6

BILL OF MATERIAL

| PT NO | COMPONENT DESCRIPTION | N.S. (IN) | ITEM CODE | QTY | HOLD STATUS |
|-------------------------------|--|-----------|-------------|-------|-------------|
| PIPE | | | | | |
| 1 | PIPE - A106-B PE SMLS T01AC03Z02 S-XS <PIPA010A13/4XS> (L-6679) | 3/4 | I132785 | 4.4 M | |
| FITTINGS | | | | | |
| 2 | TEE ASME B16.11 3000# A105N SWE SWE - R11FNC441101 NREQD <TESA300LBK3/4> (L-179) | 3/4X3/4 | I1651300 | 2 | |
| 3 | 90 ELBOW ASME B16.11 3000# A105N SWE SWE - R31FNC441103 NREQD <90FA300LBK3/4> (L-178) | 3/4 | I1651298 | 6 | |
| FLANGES | | | | | |
| 4 | SW FLANGE ASME B16.5 1500# A105N RFFE SWE 125 - 250 AARH F02CKC44B105 S-XS <SWFA3004553/4XS> (L-6668) | 3/4 | I991395 | 2 | |
| GASKETS | | | | | |
| 5 | SPIRAL WOUND GASKET ASME B16.20 1500# RFTBE 304/GRAFOIL CARBON STEEL SS 304 ASME B16.5 G03GKP1IIS12 <N/A> (N/A) | 3/4 | I63463112 | 3 | |
| BOLTS | | | | | |
| 6 | STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE I01OB0301 <SB2R51G3/45> - 2 NUTS PER BOLT - 125 mm Length | 3/4 | I53437468 | 4 | |
| 7 | STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE I01OB0301 <SB2R51G3/441/2> - 2 NUTS PER BOLT - 115 mm Length | 3/4 | I53437466 | 4 | |
| VALVES / IN-LINE ITEMS | | | | | |
| 8 | BALL VALVE-METAL BS EN ISO 17292 1500# A105N SWE SWE 410 STEEL + Cr Carbide B7/2H 3PSB-FULL BORE FLOATING BALL OHW FUGITIVE EMISSION V58FKC44117B NREQD <B63_4L-AL229> (L-AL229) | 3/4 | I24490059 | 1 | |
| INSTRUMENTS | | | | | |
| 9 | INSTRUMENT COMPONENT | 3/4 | I19-FO-4036 | 1 | |
| 10 | INSTRUMENT COMPONENT | 3/4 | I19-FT-4034 | 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) | | CONTRACTOR:  | CONTRACTOR DRAWING NUMBER: 4274-XH-DL-2121ET40F03-3 | PROJECT: 4001008 | |
| 1 | | | | | |
| PIPING CLASS | | <div>LOW LINEAL DENSITY POLYETHYLENE (PEL) AND POLYPROPYLENE (PP) PLANTS FOR PROJECT - ALBA PROJECT</div> <div> CLIENT / COMPLEX REPSOL POLYMEROS/ SINES INDUSTRIAL COMPLEX</div> | | | |
| IK6 | | | | | |
| WELDING CLASS (4) | | | | | |
| E | | | | | |
| PED CATEGORY | | | | | |
| Art 4.3 | | | | | |
| INSULATION CODE / THK. (mm) | | ANNEX 19 | SPEC. L | DRAWING NUMBER 19-000-2-02-00001 sheet 2121ET40F03-3 | REV. 01 |
| N 0 | | | | | |