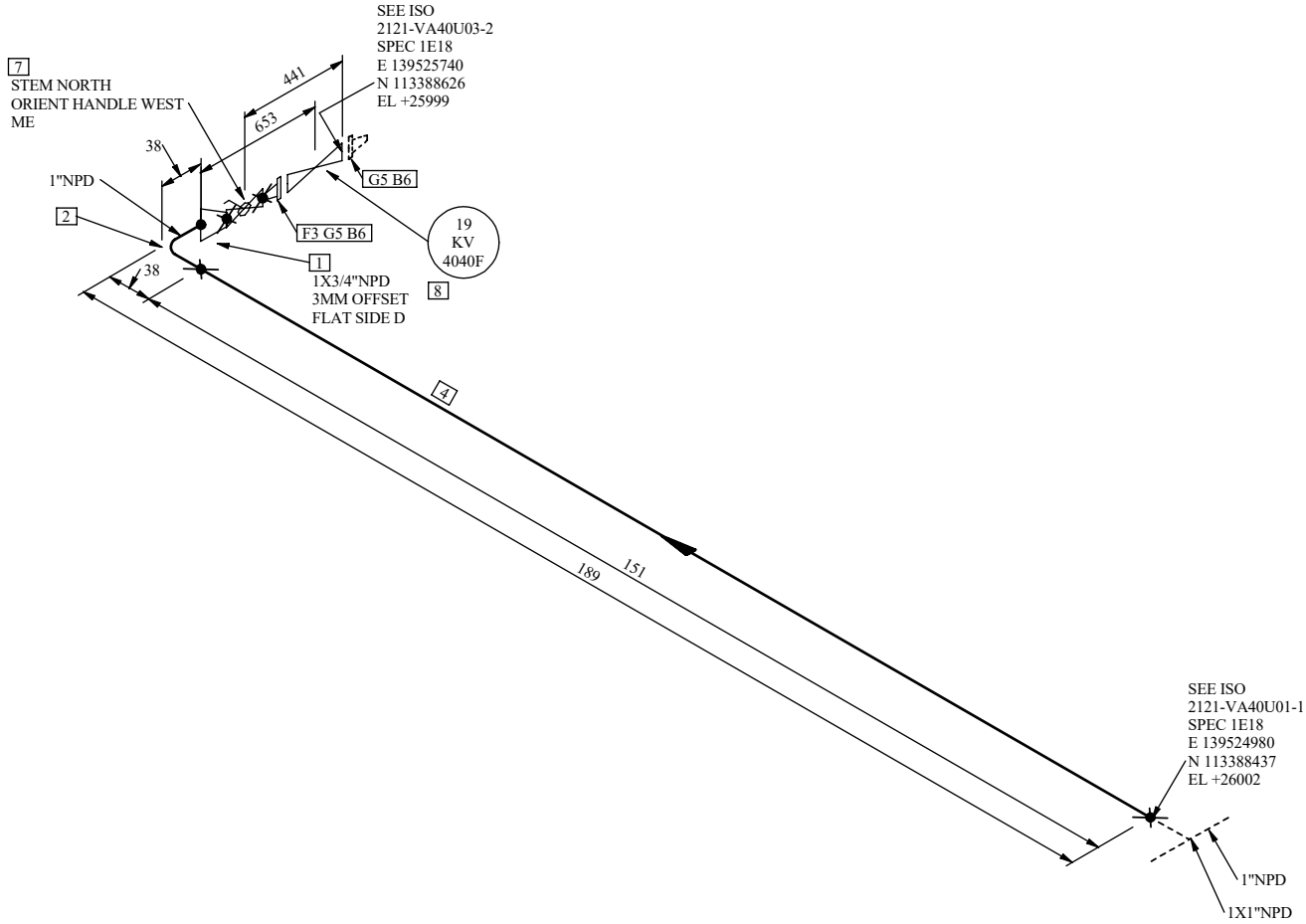


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EXTR. DATE: 23-06-2023 08:55:28

STREAM NO.:4557

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 48 |
| 00 | ISSUED FOR REFERENCE | 23-JUN-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 7 |

ISSUED FOR REFERENCE



Signature for construction is shown on Iso list of relevant CWA

ISOMETRIC DRAWING LINE

1"-VA-40U03-1E18

BILL OF MATERIAL

| PT NO | COMPONENT DESCRIPTION | N.S. (IN) | ITEM CODE | QTY | HOLD STATUS |
|------------------------|--|-----------|-------------|-------|-------------|
| FITTINGS | | | | | |
| 1 | ECCENTRIC REDUCER ASME B16.9 A234-WPB BE SMLS C22DC04V01 S-XS S-XS <EREA200F312161116> (L-7938) | 1X3/4 | I127449 | 1 | |
| 2 | 90 LR ELBOW ASME B16.9 A234-WPB BE SMLS C01DC04V01 S-XS <90LA200F31XS> (L-7930) | 1 | I128426 | 1 | |
| FLANGES | | | | | |
| 3 | WN FLANGE ASME B16.5 300# A105N RFFE BE 125 - 250 AARH F01CFC44BV05 S-XS <WNFA300R353/4XS> (L-236) | 3/4 | 19805754 | 1 | |
| PIPE | | | | | |
| 4 | PIPE - A106-B PE SMLS T01AC03Z02 S-XS <PIPA010A11XS> (L-6679) | 1 | I132793 | 0.2 M | |
| GASKETS | | | | | |
| 5 | SPIRAL WOUND GASKET ASME B16.20 300# RFTBE 304/GRAFOIL CARBON STEEL SS 304 ASME B16.5 G03GFP1IS12 <N/A> (N/A) | 3/4 | 163508950 | 2 | |
| BOLTS | | | | | |
| 6 | STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE I01OB0301 <SB2R51G5/831/4> - 2 NUTS PER BOLT - 80 mm Length | 5/8 | 153437418 | 8 | |
| VALVES / IN-LINE ITEMS | | | | | |
| 7 | NIPPLED BALL VALVE ASME B16.34 600# A105N PE PE 4130 STEEL + Cr Carbide B7/2H FB FLOATING BALL LE SCH1-XS SCH2-XS NIPPLE LENGTH 100mm V36JHC44ZZDH NREQD <N/A> (N/A) | 3/4 | I64665975 | 1 | |
| INSTRUMENTS | | | | | |
| 8 | INSTRUMENT COMPONENT | 3/4 | 19-KV-4040F | 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 DRAWING NUMBER: 4274-XH-DL-2121VA40U03-3 | PROJECT: 4001008 | | |
| 1 | | | | | | |
| PIPING CLASS | | | | | | |
| 1E18 | | | | | | |
| WELDING CLASS (4) | |  LOW LINEAL DENSITY POLYETHYLENE (PEL) AND POLYPROPYLENE (PP) PLANTS FOR PROJECT - ALBA PROJECT CLIENT / COMPLEX REPSOL POLYMEROS/ SINES INDUSTRIAL COMPLEX | | | | |
| A-7 | | | | | | |
| PED CATEGORY | | | | | | |
| Art 4.3 | | | | | | |
| INSULATION CODE / THK. (mm) | | ANNEX 19 | SPEC. L | DRAWING NUMBER 19-000-2-02-00001 sheet 2121VA40U03-3 | | REV. 00 |
| N 0 | | | | | | |