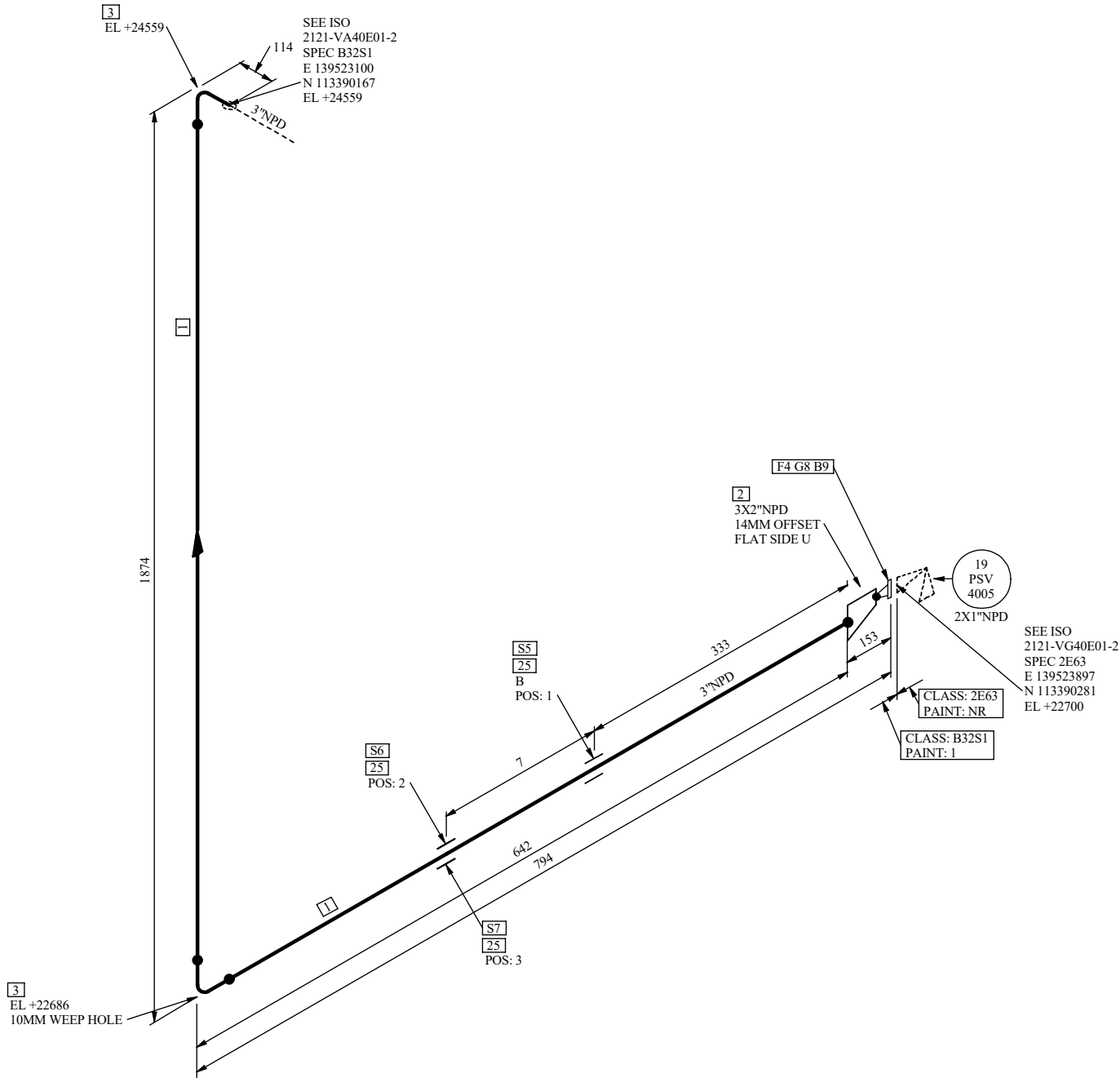


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EXTR. DATE: 22-12-2022 11:13:56

STREAM NO.:4400





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 34 |
| 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 6 |

APPROVED FOR
CONSTRUCTION



Signature for construction is shown
on Iso list of relevant CWA

TITLE
**ISOMETRIC DRAWING
LINE**

3"-VA-40E01-B32S1

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 | 2.2 M | |
| FITTINGS | | | | | |
| 2 | ECCENTRIC REDUCER ASME B16.9 A420-WPL6 BE SMLS C22DC09V01 S-STD S-STD <EREL210F315151415> (L-8238) | 3X2 | I213207 | 1 | |
| 3 | 90 LR ELBOW ASME B16.9 A420-WPL6 BE SMLS C01DC09V01 S-STD <90LL210F33STD> (L-7966). | 3 | I213645 | 2 | |
| FLANGES | | | | | |
| 4 | 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 | | | | | |
| 5 | GUIDE AND STOP HORIZ VERT SUPPORT-N1B1 | 3 | 25 | 1 | |
| 6 | STAKES SUPPORTS ST01 HEA140 | 3 | 25 | 1 | |
| 7 | PIPING SUPPORT - BEAMS- BE03 HEA160 | 3 | 25 | 1 | |
| GASKETS | | | | | |
| 8 | FLAT RING GASKET ASME B16.21 150# RFTBE NA/CARBON/NBR ASME B16.5 G02HDP2QS01 <NMGQ102R1F2> (L-NMG17) | 2 | I1169081 | 1 | |
| BOLTS | | | | | |
| 9 | 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 | 155705048 | 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 (PWHIT) | | | |
| N | | | |
| PAINTING SCHEME (3) | 1 | CONTRACTOR: | CONTRACTOR DRAWING NUMBER: |
| PIPING CLASS | B32S1 |  | 4274-XH-DL-2121VA40E01-1 |
| WELDING CLASS (4) | M |  LOW LINEAL DENSITY POLYETHYLENE (PEL) AND POLYPROPYLENE (PP) PLANTS | |
| PED CATEGORY | Art 4.3 | | |
| INSULATION CODE / THK. (mm) | N 0 | ANNEX 19 | SPEC. L |
| DRAWING NUMBER | | | REV. |
| 19-000-2-02-00001 sheet 2121VA40E01-1 | | | 00 |