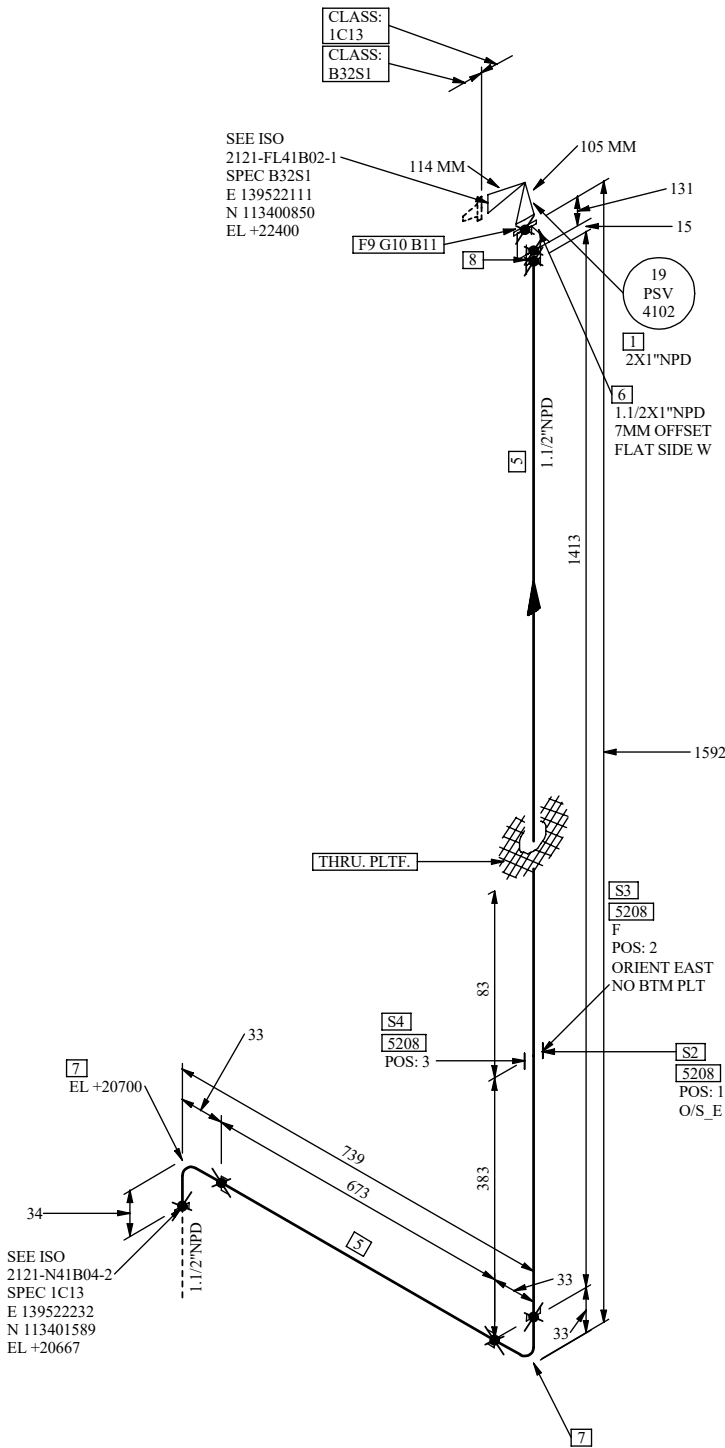


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EXTR. DATE: 19-12-2023 14:28:04

STREAM NO.:3200 STREAM REV. NO. : 10 REV. CAUSE ID: 6



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 CONSTRUCTION | 22-DEC-23 | U.CHAVAN | P.VAZE | G.PAGANONI | | P & ID 19-A-19-000-1-01-00001 sheet 53 |
| 00 | ISSUED FOR CONSTRUCTION | 30-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

ISOMETRIC DRAWING
LINE

2"-N-41B04-1C13

BILL OF MATERIAL

| PT NO | COMPONENT DESCRIPTION | N.S. (IN) | ITEM CODE | QTY | HOLD STATUS |
|---------------|---|-----------|-------------|-------|-------------|
| INSTRUMENTS | | | | | |
| 1 | INSTRUMENT COMPONENT | 2X1 | 19-PSV-4102 | 1 | |
| PIPE SUPPORTS | | | | | |
| 2 | U BOLT (FOR GUIDE)-P02D | 1.1/2 | 5208 | 1 | |
| 3 | STOP HORIZ VERT FOR NOT INS. PIPING-N1F1 | 1.1/2 | 5208 | 1 | |
| 4 | PIPING SUPPORT - BEAMS- BE02 UPN100 | 1.1/2 | 5208 | 1 | |
| PIPE | | | | | |
| 5 | PIPE - A106-B PE SMLS T01AC03Z02 S-XS <PIPA010A111/2XS> (L-6679). | 1.1/2 | 1132809 | 2.1 M | |
| FITTINGS | | | | | |
| 6 | ECCENTRIC SWAGE MSS SP-95 - A105N PE PE SMLS SCH1-XS SCH2-XS R22FQC44ZZ01 <ESWA010AR13161216> (L-ESW31) | 1.1/2X1 | 162946435 | 1 | |
| 7 | 90 ELBOW ASME B16.11 3000# A105N SWE SWE - R31FNC441103 NREQD <90FA300LBK11/2> (L-178). | 1.1/2 | 11651297 | 2 | |
| 8 | COUPLING ASME B16.11 3000# A105N SWE SWE - R01FNC441101 NREQD <FCPA300LBK11/2> (L-180) | 1.1/2 | 11651679 | 1 | |
| FLANGES | | | | | |
| 9 | SW FLANGE ASME B16.5 300# A105N RFFE SWE 125 - 250 AARH F02CFC44B105 S-XS <SWFA300R351XS> (L-375) | 1 | 14217823 | 1 | |
| GASKETS | | | | | |
| 10 | SPIRAL WOUND GASKET ASME B16.20 300# RFFE 304/PTFE CARBON STEEL SS 304 ASME B16.5 G03GFB1IG12 <SPAQ505R3EA1> (L-SPA05) | 1 | 163598746 | 1 | |
| BOLTS | | | | | |
| 11 | STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE I01OB0301 <SB2R51G5/841/4> - 2 NUTS PER BOLT - 110 mm Length | 5/8 | 153437270 | 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 | | | | | |
| HEAT TREATMENT (PWHT) | | | | | |
| N | | | | | |
| PAINTING SCHEME (3) | |  | CONTRACTOR DRAWING NUMBER: 4274-XH-DL-2121N41B04-3 | PROJECT: 4001008 | |
| 1 | | | | | |
| PIPING CLASS | | | | | |
| IC13 | | | | | |
| WELDING CLASS (4) | |  <div>LOW LINEAL DENSITY POLYETHYLENE (PEL) AND POLYPROPYLENE (PP) PLANTS FOR PROJECT - ALBA PROJECT</div> <div>CLIENT / COMPLEX REPSOL POLYMEROS/ SINES INDUSTRIAL COMPLEX</div> | | | |
| E | | | | | |
| PED CATEGORY | | | | | |
| Art 4.3 | | | | | |
| INSULATION CODE / THK. (mm) | | ANNEX 19 | SPEC. L | DRAWING NUMBER 19-000-2-02-00001 sheet 2121N41B04-3 | REV. 01 |
| N 0 | | | | | |