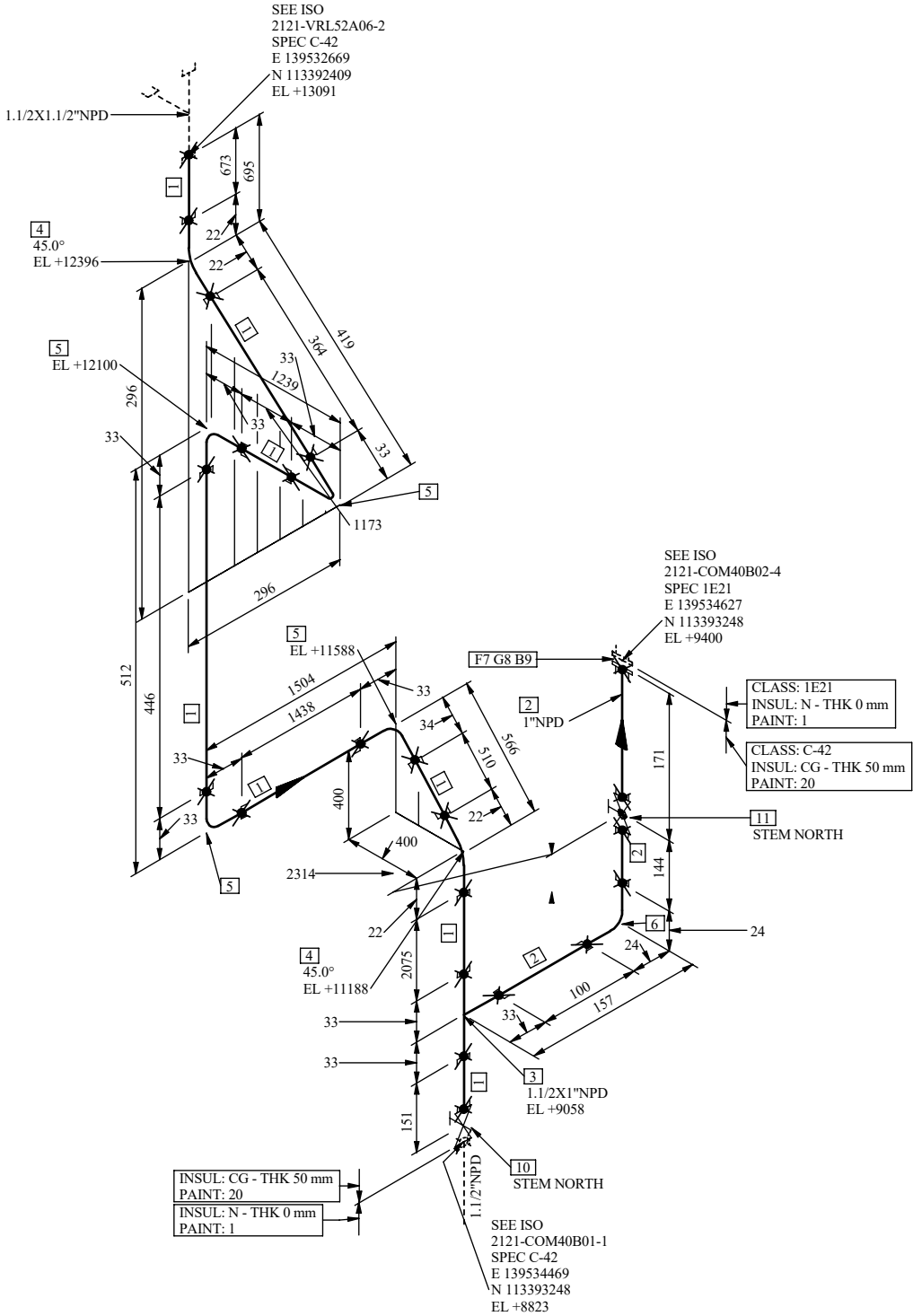


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EXTR. DATE: 08-02-2024 22:06:21

STREAM NO.:5117

REV. CAUSE ID: 23



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 | 09-FEB-24 | M.YADAV | P.VAZE | G.PAGANONI | | P & ID 19-A-19-000-1-01-00001 sheet 65 |
| 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 4 |

ISSUED FOR REFERENCE


Signature for construction is shown on Iso list of relevant CWA

ISOMETRIC DRAWING LINE

1-1/2"-VRL-52A06-C-42 (CG)

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 | 6.8 M | |
| 2 | PIPE - A333-6 PE SMLS T01AC22Z02 S-XS <PIPL020A11XS> (L-PIP01) | 1 | I146392 | 0.4 M | |
| FITTINGS | | | | | |
| 3 | REDUCING TEE ASME B16.11 3000# A350-LF2 Class 1 SWE SWE - R12FNC071101 NREQD <RTEL300LBK11/21> (L-RTE09) | 1.1/2X1 | I213633 | 1 | |
| 4 | 45 ELBOW ASME B16.11 3000# A350-LF2 Class 1 SWE SWE - R32FNC071101 NREQD <45FL300LBK11/2> (L-7901) | 1.1/2 | I213773 | 2 | |
| 5 | 90 ELBOW ASME B16.11 3000# A350-LF2 Class 1 SWE SWE - R31FNC071103 NREQD <90FL300LBK11/2> (L-7900) | 1.1/2 | I213765 | 4 | |
| 6 | 90 ELBOW ASME B16.11 3000# A350-LF2 Class 1 SWE SWE - R31FNC071103 NREQD <90FL300LBK1> (L-7900) | 1 | I213763 | 1 | |
| FLANGES | | | | | |
| 7 | SW FLANGE ASME B16.5 300# A350-LF2 Class 1 RFFE SWE 125 - 250 AARH F02CFC07B105 S-XS <SWFL300R151XS> (L-7970) | 1 | I219514 | 1 | |
| GASKETS | | | | | |
| 8 | SPIRAL WOUND GASKET ASME B16.20 300# RFTBE 316/GRAP LTCS SS 316 ASME B16.5 G03GFP1IAG8 <N/A> (N/A) | 1 | I46364694 | 1 | |
| BOLTS | | | | | |
| 9 | STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A320-L7/A194-7 INCH SIZE 1010B5301 <SB2R55G5/831/4> - 2 NUTS PER BOLT - 80 mm Length | 5/8 | I55705037 | 4 | |
| VALVES / IN-LINE ITEMS | | | | | |
| 10 | GATE VALVE API 602 800# A350-LF2 Class 1 SWE SWE 10-316 API 602 L7/7 BB-OS&Y SOW API 602 HW V01GIC0711ZZC NREQD <G611_2L-9943> (L-9943) | 1.1/2 | I64383043 | 1 | |
| 11 | GLOBE VALVE API 602 800# A350-LF2 Class 1 SWE SWE 16-HARFACED API 602 L7/7 BB-OS&Y API 602 HW V02GIC071190A NREQD <A61L-9945> (L-9945) | 1 | I64156167 | 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, low temperature | | | | | |
| HEAT TREATMENT (PWHIT) | | | | | |
| N | | | | | |
| PAINTING SCHEME (3) | |  | CONTRACTOR DRAWING NUMBER: 4274-XH-DL-2121VRL52A06-4 | PROJECT: 4001008 | LOW LINEAL DENSITY POLYETHYLENE (PEL) AND POLYPROPYLENE (PP) PLANTS FOR PROJECT - ALBA PROJECT CLIENT / COMPLEX REPSOL POLYMEROS/ SINES INDUSTRIAL COMPLEX |
| 20 | | | | | |
| PIPING CLASS | | | | | |
| C-42 | | | | | |
| WELDING CLASS (4) | | | | | |
| F | | | | | |
| PED CATEGORY | | | | | |
| II | | | | | |
| INSULATION CODE / THK. (mm) | | ANNEX 19 | SPEC. L | DRAWING NUMBER 19-000-2-02-00001 sheet 2121VRL52A06-4 | REV. 01 |
| CG 50 | | | | | |