STREAM REV.

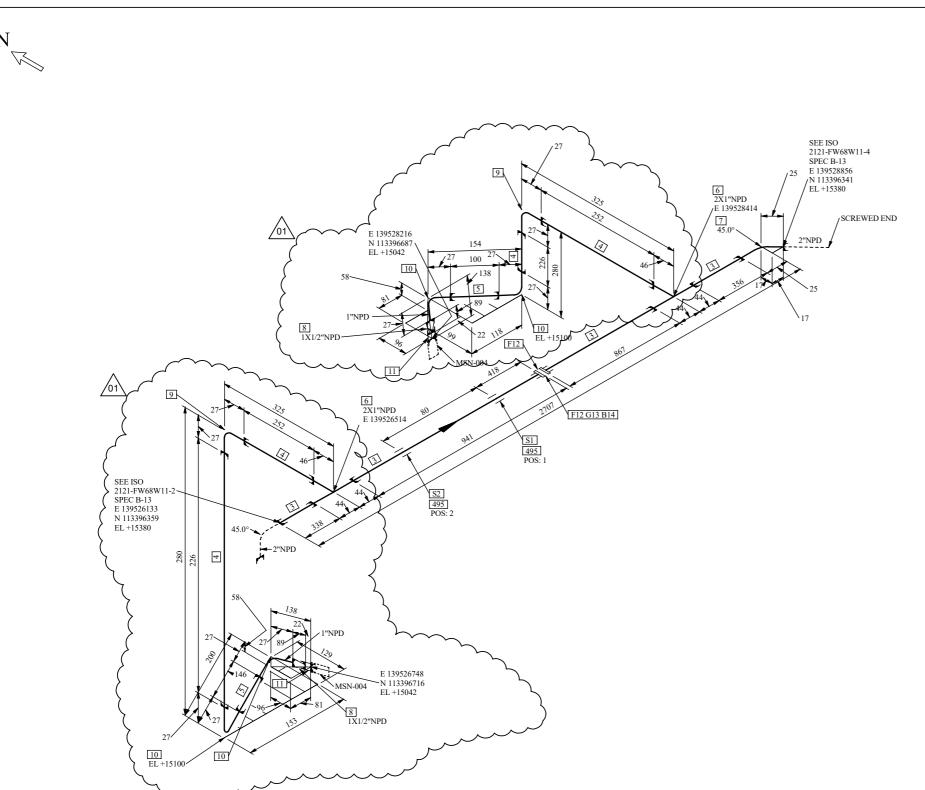
1) LINES 1.1/2" AND SMALLER SHALL BE SUPPORTED IN FIELD IF NOT OTHERWISE INDICATED.

4) FOR EXTRA PIPE LENGTH REFER TO 4274-LZ-PC-00000603

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

REV. CAUSE ID:



BILL OF MATERIAL HOLD COMPONENT DESCRIPTION ITEM CODE QTY STATUS (IN) PIPE SUPPORTS U BOLT (FOR GUIDE)-P02D VERTICAL STAKES WELDED TO STR. ST42 L80X80X10 495 PIPE - A53-B GALV MTE SMLS T01AC11W02 S-XS < PIPG010C12XS > (N/A) 1145688 2.5 M I145594 PIPE - A53-B GALV MTE SMLS T01AC11W02 S-XS < PIPG010C11XS > (N/A). PIPE - A53-B GALV MTE SMLS T01AC11W02 S-XS < PIPG010C11XS > (N/A) I145594 0.3 M FITTINGS I225442 <RTEG300KBK21>(L-RTE01). 45 ELBOW ASME B16.11 3000# A105 GALV FTE FTE - R32FNC022201 NREQD I214935 <45TG300KBK2>(L-8908) CONCENTRIC SWAGE MSS SP-95 - A105 GALV MTE MTE SMLS SCH1-XS SCH2-XS I4198150 R21FOC02WW01 < CSWG010DR12161016 > (L-CSW28) 90 ELBOW ASME B16.11 3000# A105 GALV FTE FTE - R31FNC022203 NREQD I214920 90 ELBOW ASME B16.11 3000# A105 GALV FTE FTE - R31FNC022203 NREOD I214920 1 COUPLING ASME B16.11 3000# A105 GALV FTE FTE - R01FNC022201 NREQD 1214895 <FCPG300KBK1/2> (L-8910). LANGES 12 THD FLANGE ASME B16.5 150# A105 GALV RFFE FTE 125 - 250 AARH F03CDC02B205 I215065 <THFG300R152> (L-8918) GASKETS 13 FLAT RING GASKET ASME B16.21 150# RFTBE NA/ARAMIDIC/NBR ASME B16.5 I1169030 G02HDP2OR01 < NMGQ009R1FC2> (L-NMG11) 14 STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H GALV. INCH SIZE 149881360 I01OB6001 <SB2R6G5/831/2> - 2 NUTS PER BOLT - 85 mm Length

| 14:24:02 | 6) CRC<br>7) IN C<br>8) ACT  | 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. |           |          |          |            |              |  |    |
|----------|--|---|-----------|----------|----------|------------|--------------|--|----|
| -2023    | SUPPORTS LEGEND: DENOTES PARTS LIST NO PIPE — A-RESTING SUPPORT G-GUIDE F-AXIAL STOP B-ANCHOR M-SPRING S-TEHLON PAD WHERE WITHOUT NUMBERING IS INDICATED, THIS MEANS THAT THERE IS A REST DIRECTLY ON STEEL STRUCTURE. |   |           |          |          |            |              |  |    |
| 30-08    |  |   |           |          |          |            |              | STRESS CALC. Nº                                  | TI |
| TE:      | 01   | ISSUED FOR CONSTRUCTION   | 31-AUG-23 | U.CHAVAN | P.VAZE   | G.PAGANONI |              | P & ID<br>19-A-19-000-1-01-00001 sheet 124       | -  |
| DA       | 00   | ISSUED FOR CONSTRUCTION   | 21-JAN-23 | U.CHAVAN | P.VAZE   | G.PAGANONI |              | LINE LIST N° 19-L-19-000-2-00-80602              |    |
| EXTR     | REV.   | DESCRIPTION   | DATE      | DRW. BY  | CHECK BY | APPR. BY   | APPR. CLIENT | PIPE LAYOUT N°<br>19-L-19-000-2-00-86197 sheet 4 |    |

Signature for construction is shown on Iso list of relevant CWA

ISOMETRIC DRAWING

LINE

2"-FW-68W11-B-13

APPROVED FOR

**CONSTRUCTION** 

CS, Galvanized HEAT TREATMENT (PWHT)

ANNEX

PIPE MATERIAL

PIPING CLASS

INSULATION CODE / THK. (mm)

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

4274-XH-DL-2121FW68W11-3

5. CODE SHOWN IN BOM BETWEEN "<" & ">" DENOTES REPSOL UNICODE. "<N/A>" MEANS UNICODE IS "NOT AVAILABLE" PAINTING SCHEME (3) CONTRACTOR: CONTRACTOR DRAWING NUMBER: PROJECT:

DRAWING NUMBER

WELDING CLASS (4) LOW LINEAL DENSITY POLYETHILENE (PEL) AND POLYPROPYLENE (PP) PLANTS PED CATEGORY FOR PROJECT - ALBA PROJECT Art 4.3 REPSQL

CLIENT / COMPLEX REPSOL POLYMEROS/ SINES INDUSTRIAL COMPLEX

4001008

01 19-000-2-02-00001 sheet 2121FW68W11-3

FILENAME: 19-000-2-02-00001 sheet 2121FW68W11-3.dwg

