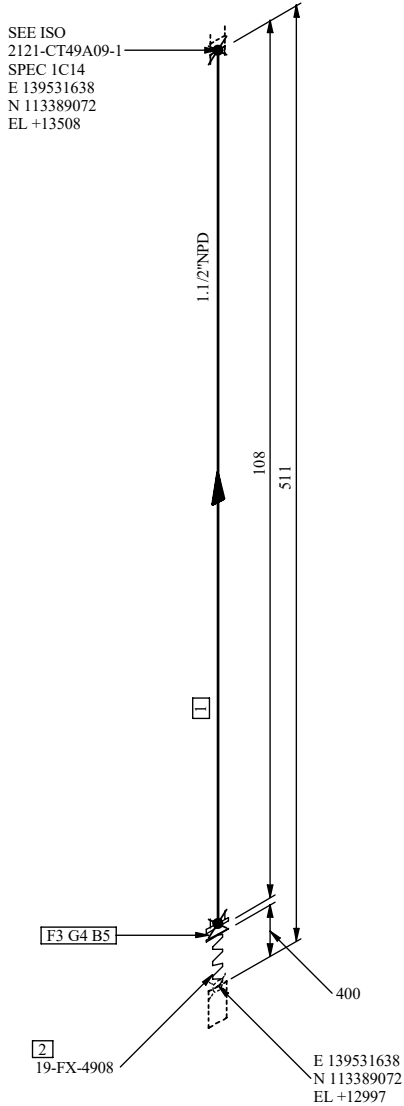


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EXTR. DATE: 27-07-2023 09:18:17

STREAM NO.:4553

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  
WHERE  WITHOUT NUMBERING IS INDICATED, THIS MEANS THAT THERE IS A REST DIRECTLY ON STEEL STRUCTURE.



G=GUIDE

F=AXIAL STOP

B=ANCHOR

M=SPRING

S=TEFLON PAD
- |      |                      |           |          |          |            |              |  |
|------|----------------------|-----------|----------|----------|------------|--------------|--|
|      |                      |           |          |          |            |              | STRESS CALC. N°                                  |
|      |                      |           |          |          |            |              | -  |
|      |                      |           |          |          |            |              | P & ID<br>19-A-19-000-1-01-00001 sheet 57        |
| 00   | ISSUED FOR REFERENCE | 28-JUL-23 | U.CHAVAN | P.VAZE   | G.PAGANONI |              | LINE LIST N°<br>19-L-19-000-2-00-80602           |
| REV. | DESCRIPTION          | DATE      | DRW. BY  | CHECK BY | APPR. BY   | APPR. CLIENT | PIPE LAYOUT N°<br>19-L-19-000-2-00-86197 sheet 4 |
- ISSUED FOR  
REFERENCE
- Signature for construction is shown  
on Iso list of relevant CWA
- TITLE  
ISOMETRIC DRAWING  
LINE
- 1-1/2"-CT-49A09-1C14
- BILL OF MATERIAL
- | PT<br>NO | COMPONENT DESCRIPTION   | N.S.<br>(IN) | ITEM CODE  | QTY   | HOLD<br>STATUS |
|----------|---|--------------|------------|-------|----------------|
| PIPE     |   |              |            |       |                |
| 1        | PIPE - A106-B PE SMLS T01AC03Z02 S-XS <PIPA010A111/2XS> (L-6679)  | 1.1/2        | I132809    | 0.1 M |                |
| FITTINGS |   |              |            |       |                |
| 2        | SPECIALTY COMPONENT   | 1.1/2        | 19-FX-4908 | 1     |                |
| FLANGES  |   |              |            |       |                |
| 3        | SW FLANGE ASME B16.5 150# A105N RFFE SWE 125 - 250 AARH F02CDC44B105 S-XS<br><SWFA300R1511/2XS> (L-295)                         | 1.1/2        | I5378345   | 1     |                |
| GASKETS  |   |              |            |       |                |
| 4        | SPIRAL WOUND GASKET ASME B16.20 150# RFFE 304/PTFE CARBON STEEL SS 304 ASME B16.5 G03GDB11G12 <SPAQ505R1EA11/2> (L-SPA04)       | 1.1/2        | I2230478   | 1     |                |
| BOLTS    |   |              |            |       |                |
| 5        | STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE I01OB0301<br><SB2R51G1/223/4> - 2 NUTS PER BOLT - 70 mm Length | 1/2          | I53437201  | 4     |                |
- 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".
- |   |                            |          |
|---|----------------------------|----------|
| CONTRACTOR:   | CONTRACTOR DRAWING NUMBER: | PROJECT: |
|  | 4274-XH-DL-2121CT49A09-3   | 4001008  |
- |  |  |  |   |
|--|--|--|---|
| LOW LINEAL DENSITY POLYETHILENE (PEL)<br>AND POLYPROPYLENE (PP) PLANTS<br>FOR PROJECT - ALBA PROJECT |  |  | CLIENT / COMPLEX<br>REPSOL POLYMEROS/<br>SINES INDUSTRIAL COMPLEX |
|                 |  |  |   |
- |             |            |   |            |
|-------------|------------|---|------------|
| ANNEX<br>19 | SPEC.<br>L | DRAWING NUMBER<br>19-000-2-02-00001 sheet 2121CT49A09-3 | REV.<br>00 |
|-------------|------------|---|------------|
- FILENAME: 19-000-2-02-00001 sheet 2121CT49A09-3.dwg