

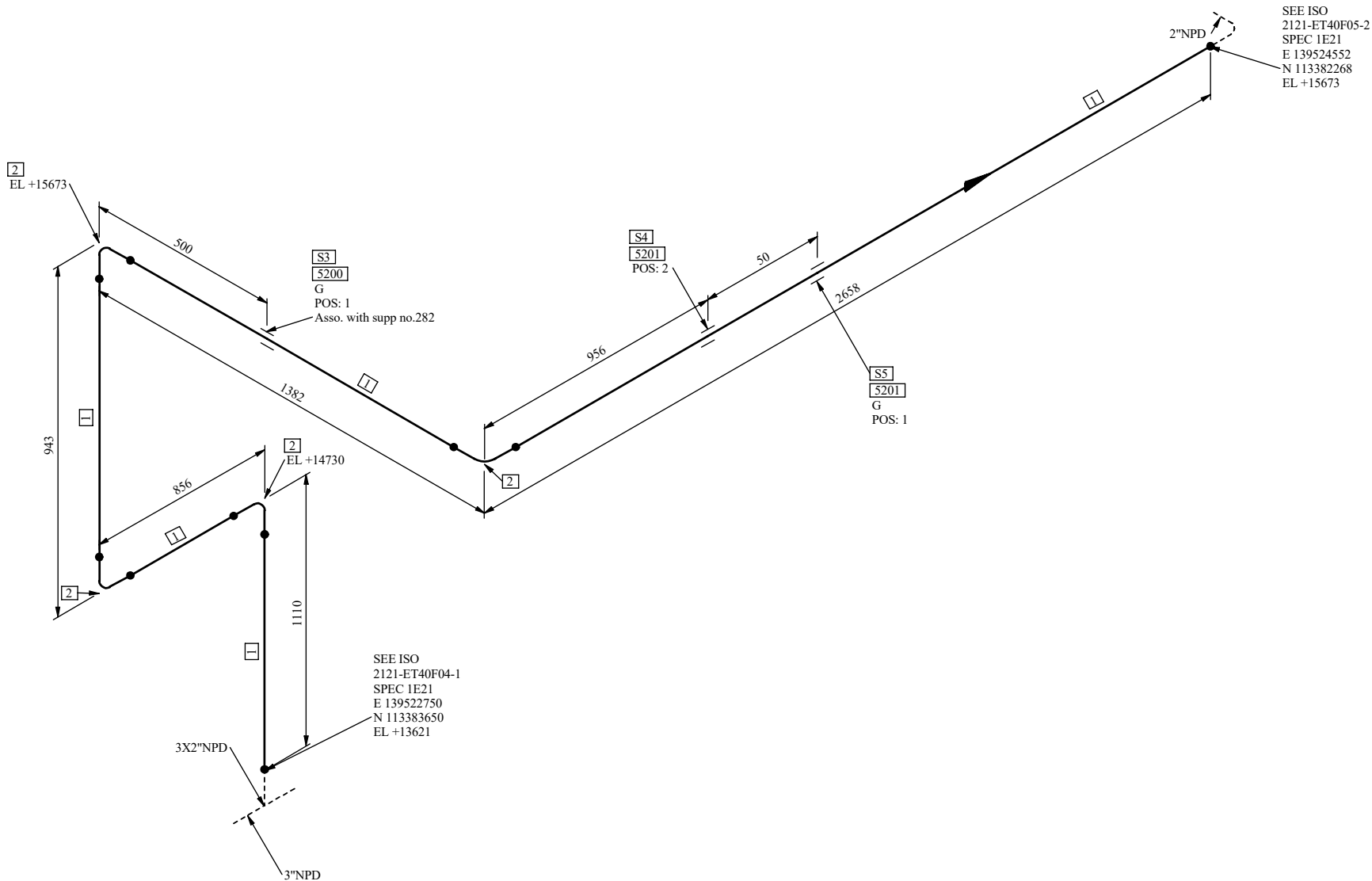
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EXTR. DATE: 16-12-2022 14:29:43




STREAM NO.:4005

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°                 |
|      |                         |           |         |          |            |              | REP-PE-096                      |
|      |                         |           |         |          |            |              | P & ID                          |
|      |                         |           |         |          |            |              | 19-A-19-000-1-01-00001 sheet 36 |
|      |                         |           |         |          |            |              | LINE LIST N°                    |
|      |                         |           |         |          |            |              | 19-L-19-000-2-00-80602          |
|      |                         |           |         |          |            |              | PIPE LAYOUT N°                  |
|      |                         |           |         |          |            |              | 19-L-19-000-2-00-86196 sheet 4  |
| 00   | ISSUED FOR CONSTRUCTION | 16-DEC-22 | M.YADAV | P.VAZE   | G.PAGANONI |              |                                 |
| REV. | DESCRIPTION             | DATE      | DRW. BY | CHECK BY | APPR. BY   | APPR. CLIENT |                                 |

APPROVED FOR CONSTRUCTION



Signature for construction is shown on Iso list of relevant CWA

ISOMETRIC DRAWING LINE

2"-ET-40F05-1E21

BILL OF MATERIAL

| PT NO         | COMPONENT DESCRIPTION   | N.S. (IN) | ITEM CODE | QTY   | HOLD STATUS |
|---------------|---|-----------|-----------|-------|-------------|
| PIPE          |   |           |           |       |             |
| 1             | PIPE - A106-B BE SMLS T01AC03V02 S-STD <PIPA010B12STD> (L-7806)                   | 2         | I117862   | 6.4 M |             |
| FITTINGS      |   |           |           |       |             |
| 2             | 90 LR ELBOW ASME B16.9 A234-WPB BE SMLS C01DC04V01 S-STD <90LA200F32STD> (L-7955) | 2         | I128529   | 4     |             |
| PIPE SUPPORTS |   |           |           |       |             |
| 3             | STANDARD GUIDE FOR NOT INS. PIPING-N1G1   | 2         | 5200      | 1     |             |
| 4             | VERTICAL STAKES WELDED TO STR. ST42 L100X100X10                                   | 2         | 5201      | 1     |             |
| 5             | STANDARD GUIDE FOR NOT INS. PIPING-N1G1   | 2         | 5201      | 1     |             |

|                             |  |  |  |   |                   |
|-----------------------------|--|--|--|---|-------------------|
| PIPE MATERIAL               |  | NOTES: 1. FOR TECHNICAL DETAILS SEE LINE LIST.<br>2. FOR VENT, DRAIN OR INSTRUMENT CONNECTION DETAILS SEE 45-L-45-000-2-00-80102.<br>3. WELDING ACCORDING TO 45-L-45-000-2-00-80021.<br>4. PAINTING ACCORDING TO 45-A-45-000-1-00-20160.<br>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:<br>   | CONTRACTOR DRAWING NUMBER:<br><br>4274-XH-DL-2121ET40F05-1 | PROJECT:<br><br>4001008                                 |                   |
| I                           |  |  |  |   |                   |
| PIPING CLASS                |  | <div>LOW LINEAL DENSITY POLYETHYLENE (PEL)<br/>AND POLYPROPYLENE (PP) PLANTS<br/>FOR PROJECT - ALBA PROJECT</div> <div>CLIENT / COMPLEX<br/>REPSOL POLYMEROS/<br/>SINES INDUSTRIAL COMPLEX</div>   |  |   |                   |
| 1E21                        |  |  |  |   |                   |
| WELDING CLASS (4)           |  |  |  |   |                   |
| E                           |  |  |  |   |                   |
| PED CATEGORY                |  |   |  |   |                   |
| II                          |  |  |  |   |                   |
| INSULATION CODE / THK. (mm) |  | ANNEX<br>19  | SPEC.<br>L   | DRAWING NUMBER<br>19-000-2-02-00001 sheet 2121ET40F05-1 | REV.<br><b>00</b> |
| N                  0        |  |  |  |   |                   |