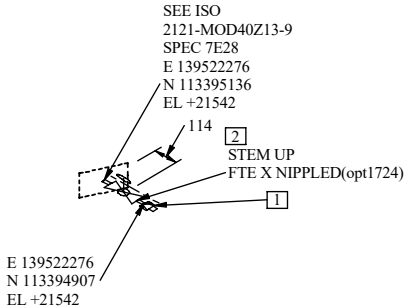
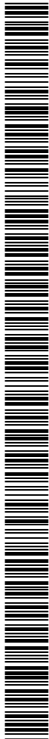


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EXTR. DATE: 08-07-2023 11:07:10 STREAM NO.:4924 STREAM REV. NO. : 9 REV. CAUSE ID:



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 G=GUIDE F=AXIAL STOP B=ANCHOR M=SPRING S=TEFLON PAD
WHERE [A] WITHOUT NUMBERING IS INDICATED, THIS MEANS THAT THERE IS A REST DIRECTLY ON STEEL STRUCTURE.

| | | | | | | | |
|------|----------------------|-----------|---------|----------|------------|--------------|--|
| | | | | | | | STRESS CALC. N° |
| | | | | | | | - |
| | | | | | | | P & ID 19-A-19-000-1-01-00001 sheet 51 |
| 00 | ISSUED FOR REFERENCE | 07-JUL-23 | M.YADAV | 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 |

ISSUED FOR
REFERENCE

Signature for construction is shown
on Iso list of relevant CWA


ISOMETRIC DRAWING
LINE

1/2"-MOD-40Z13-7E28 (ET)

BILL OF MATERIAL

| PT NO | COMPONENT DESCRIPTION | N.S. (IN) | ITEM CODE | QTY | HOLD STATUS |
|------------------------|--|-----------|-----------|-----|-------------|
| FITTINGS | | | | | |
| 1 | PLUG ROUND HEAD ASME B16.11 - A182-F304/304L DUAL GR MTE NREQD - R42FQL2AW001 NREQD <PLUB450CK1/2> (L-PLU04) | 1/2 | 12260791 | 1 | |
| VALVES / IN-LINE ITEMS | | | | | |
| 2 | NIPPLED BALL VALVE BS EN ISO 17292 800# A182-F316/316L DUAL GR PE FTE 316/R-PTFE, GF A193-B8M CL2/8MA 3PSB-FULL BORE FLOATING BALL OHW SCH1-80S SCH2-80S LENGTH 75mm V36FIL1MZ2AN NREQD <B61_2L-AL177> (L-AL177) | 1/2 | 163522774 | 1 | |

- 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-2121MOD40Z13-10 | 4001008 |

LOW LINEAL DENSITY POLYETHILENE (PEL) AND POLYPROPYLENE (PP) PLANTS
FOR PROJECT - ALBA PROJECT

CLIENT / COMPLEX
REPSOL POLYMEROS/
SINES INDUSTRIAL COMPLEX

| | | | |
|----------|---------|---|------------|
| ANNEX 19 | SPEC. L | DRAWING NUMBER 19-000-2-02-00001 sheet 2121MOD40Z13-10 | REV. 00 |
|----------|---------|---|------------|