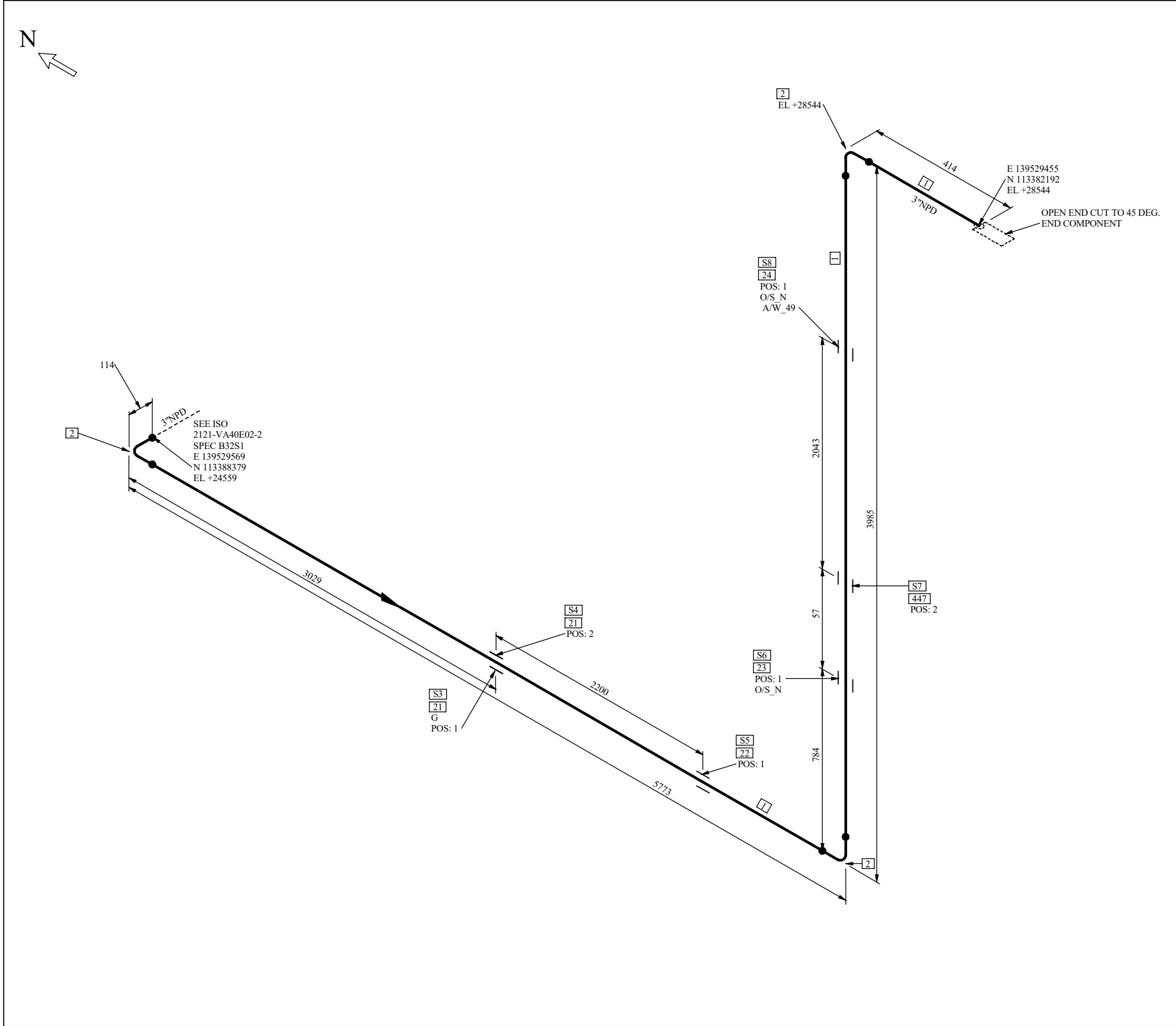












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EXTR. DATE: 21-12-2022 12:06:53

STREAM NO.:4400 STREAM REV. NO. : 7 REV. CAUSE ID:



| BILL OF MATERIAL | | | | |
|------------------|---|-----------|-----------|-------------|
| PT NO | COMPONENT DESCRIPTION | N.S. (IN) | ITEM CODE | HOLD STATUS |
| PIPE | | | | |
| 1 | PIPE - A333-6 BE SMLS T01AC22V02 S-STD <PIPL020B13STD> (L-8199). | 3 | I146278 | 9.6 M |
| FITTINGS | | | | |
| 2 | 90 LR ELBOW ASME B16.9 A420-WPL6 BE SMLS C01DC09V01 S-STD <90LL210F33STD> (L-7966). | 3 | I213645 | 3 |
| PIPE SUPPORTS | | | | |
| 3 | STANDARD GUIDE FOR NOT INS. PIPING-N1G1 | 3 | 21 | 1 |
| 4 | VERT.TRESTLES WELDED TO STR TR34 HEA120 | 3 | 21 | 1 |
| 5 | VERT.TRESTLES WELDED TO STR TR34 HEA120 | 3 | 22 | 1 |
| 6 | U BOLT (FOR GUIDE)-P02D | 3 | 23 | 1 |
| 7 | WELDED BRACKET TO STRUCT. SB35 - HEA120 | 3 | 447 | 1 |
| 8 | U BOLT (FOR GUIDE)-P02D | 3 | 24 | 1 |

| | | | | | | |
|--|-------------------------|-----------|----------|----------|------------|--|
| 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° - |
| | | | | | | P & ID 19-A-19-000-1-01-00001 sheet 35 |
| 00 | ISSUED FOR CONSTRUCTION | 23-DEC-22 | 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-19-000-2-00-86196 sheet 6 |

| | | | | | |
|---|--|-----------------------------|---|---|---------------------------------------|
| <div>APPROVED FOR CONSTRUCTION</div> <div>Signature for construction is shown on Iso list of relevant CWA</div> | | 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) | 1 | CONTRACTOR: | CONTRACTOR DRAWING NUMBER: |
| | | PIPING CLASS | B32S1 |  | 4274-XH-DL-2121VA40E02-3 |
| | | WELDING CLASS (4) | M |  LOW LINEAL DENSITY POLYETHYLENE (PEL) AND POLYPROPYLENE (PP) PLANTS FOR PROJECT - ALBA PROJECT | |
| | | PED CATEGORY | Art 4.3 | | |
| | | INSULATION CODE / THK. (mm) | N 0 | ANNEX 19 | SPEC. L |
| | | | | DRAWING NUMBER | 19-000-2-02-00001 sheet 2121VA40E02-3 |
| | | | | | REV. 00 |