

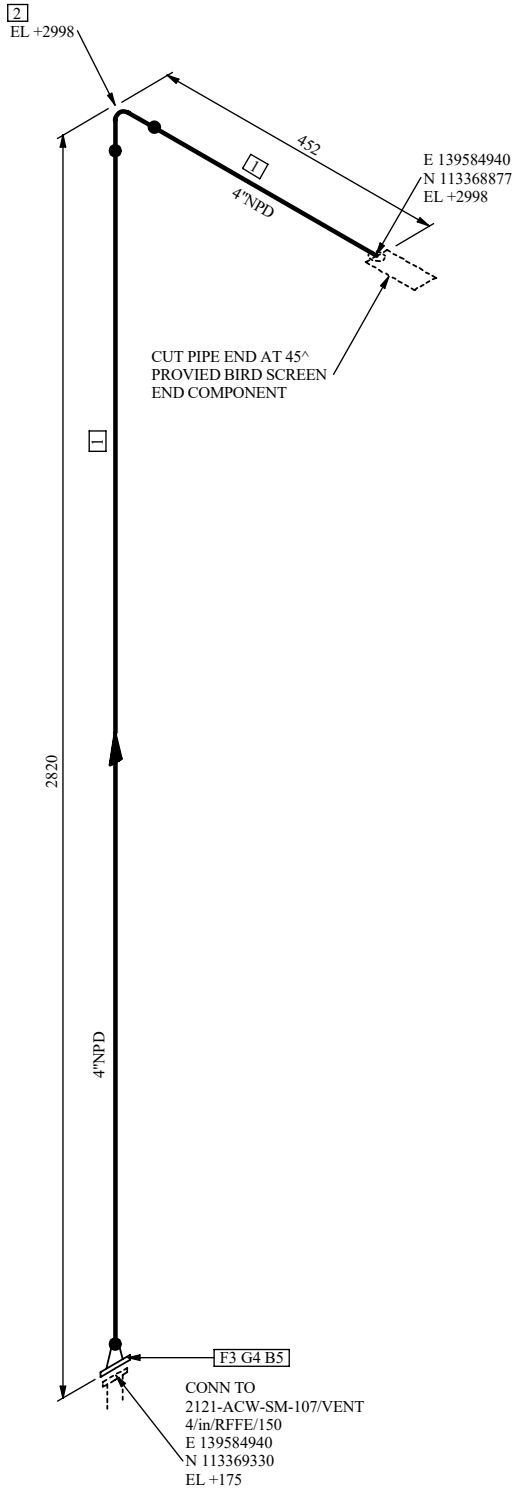
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EXTR. DATE: 24-02-2023 19:56:48

STREAM NO.:181

REV. CAUSE ID:

REV. NO. : 7



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 45-A-45-000-1-01-00001 Sheet 4 |
| 00 | ISSUED FOR CONSTRUCTION | 24-FEB-23 | M.YADAV | P.VAZE | G.PAGANONI | | LINE LIST N° 32-L-32-000-2-00-80601 |
| REV. | DESCRIPTION | DATE | DRW. BY | CHECK BY | APPR. BY | APPR. CLIENT | PIPE LAYOUT N° 19-L-19-000-2-00-86195 sheet 1 |

APPROVED FOR
CONSTRUCTION

Signature for construction is shown
on Iso list of relevant CWA


ISOMETRIC DRAWING
LINE

4"-VA-00030-B-1

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 <PIPA010B14STD> (L-7806) | 4 | I117953 | 2.9 M | |
| FITTINGS | | | | | |
| 2 | 90 LR ELBOW ASME B16.9 A234-WPB BE SMLS C01DC04V01 S-STD <90LA200F34STD> (L-7955) | 4 | I128635 | 1 | |
| FLANGES | | | | | |
| 3 | WN FLANGE ASME B16.5 150# A105N RFFE BE 125 - 250 AARH F01CDC44BV05 S-STD <WNFA300R154STD> (L-149) | 4 | I5355796 | 1 | |
| GASKETS | | | | | |
| 4 | FLAT RING GASKET ASME B16.21 150# RFTBE NA/ARAMIDIC/NBR ASME B16.5 G02HDP2QR01 <NMGQ009R1FC4> (L-NMG11) | 4 | I1169033 | 1 | |
| BOLTS | | | | | |
| 5 | STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE I01OB0301 <SB2R51G5/831/2> - 2 NUTS PER BOLT - 90 mm Length | 5/8 | I53437440 | 8 | |

- 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-2121VA00030-1 | 4001008 |

LOW LINEAL DENSITY POLYETHYLENE (PEL) AND POLYPROPYLENE (PP) PLANTS CLIENT / COMPLEX
FOR PROJECT - ALBA PROJECT REPSOL POLYMEROS/ SINES INDUSTRIAL COMPLEX

| | | | |
|----------|---------|--|---------|
| ANNEX 45 | SPEC. L | DRAWING NUMBER 45-000-2-02-00001 sheet 2121VA00030-1 | REV. 00 |
|----------|---------|--|---------|