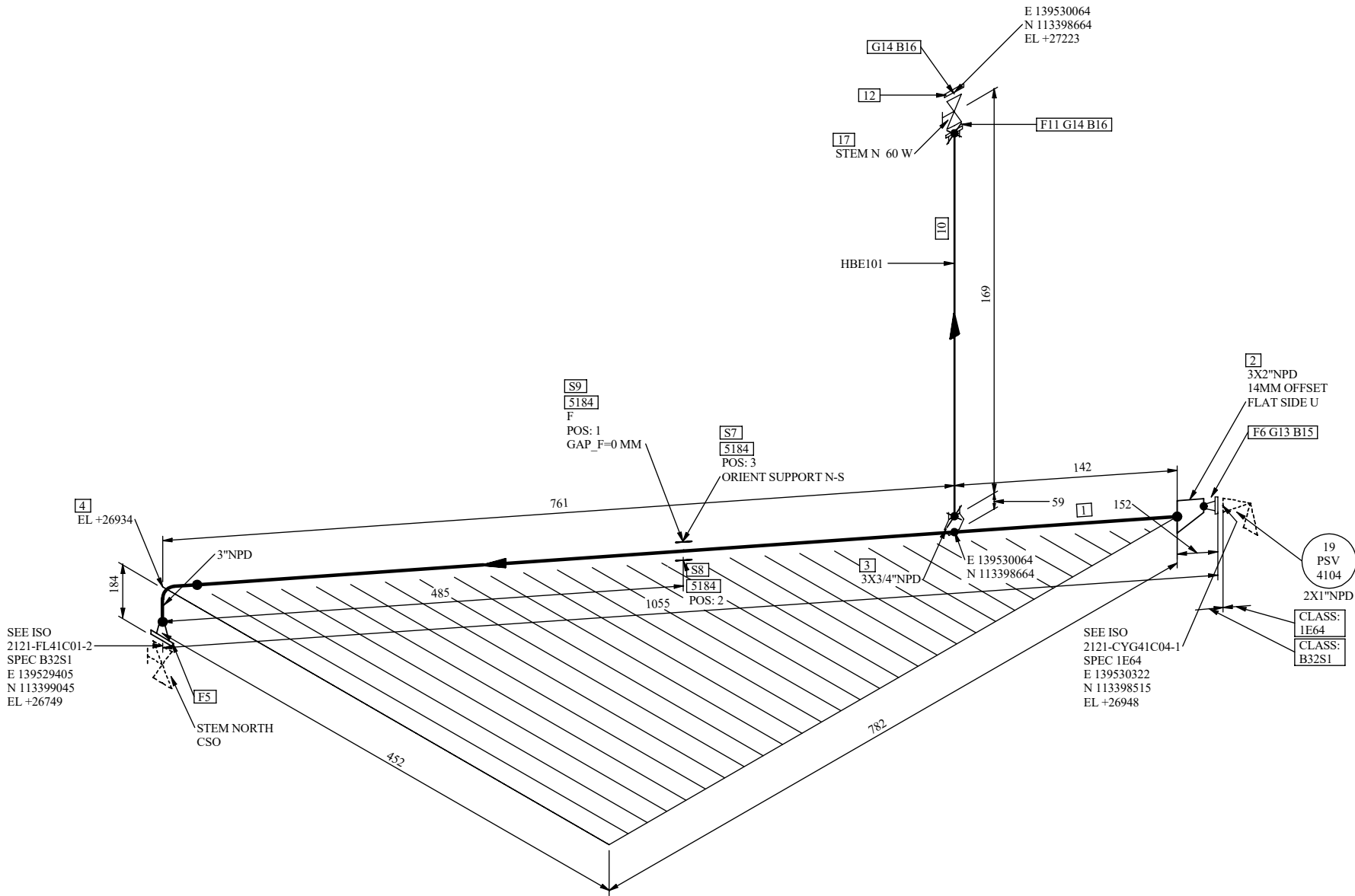


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EXTR. DATE: 09-12-2022 20:31:20




STREAM NO.:3351

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

| | | | | | | | |
|------|-------------------------|-----------|---------|----------|------------|--------------|--|
| | | | | | | | STRESS CALC. N° REP-PE-063 |
| | | | | | | | P & ID 19-A-19-000-1-01-00001 sheet 54 |
| 00 | ISSUED FOR CONSTRUCTION | 09-DEC-22 | 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 7 |

APPROVED FOR
CONSTRUCTION



Signature for construction is shown
on Iso list of relevant CWA

TITLE
**ISOMETRIC DRAWING
LINE**

3"-FL-41C01-B32S1 (P)

BILL OF MATERIAL

| PT NO | COMPONENT DESCRIPTION | N.S. (IN) | ITEM CODE | QTY | HOLD STATUS |
|------------------------|--|-----------|-----------|-------|-------------|
| PIPE | | | | | |
| 1 | PIPE - A333-6 BE SMLS T01AC22V02 S-STD <PIPL020B13STD> (L-8199). | 3 | I146278 | 0.8 M | |
| FITTINGS | | | | | |
| 2 | ECCENTRIC REDUCER ASME B16.9 A420-WPL6 BE SMLS C22DC09V01 S-STD S-STD <EREL210F315151415> (L-8238) | 3X2 | I213207 | 1 | |
| 3 | REDUCING SOCKOLET MSS-SP-97 3000# A350-LF2 Class 1 BE SWE - R13DNC07V101 NREQD <SOKL300LB01511> (L-7906). | 3X3/4 | I368227 | 1 | |
| 4 | 90 LR ELBOW ASME B16.9 A420-WPL6 BE SMLS C01DC09V01 S-STD <90LL210F33STD> (L-7966). | 3 | I213645 | 1 | |
| FLANGES | | | | | |
| 5 | WN FLANGE ASME B16.5 150# A350-LF2 Class 1 RFFE BE 125 - 250 AARH F01CDC07BV05 S-STD <WNFL300R153STD> (L-7971). | 3 | I140827 | 1 | |
| 6 | WN FLANGE ASME B16.5 150# A350-LF2 Class 1 RFFE BE 125 - 250 AARH F01CDC07BV05 S-STD <WNFL300R152STD> (L-7971) | 2 | I140779 | 1 | |
| PIPE SUPPORTS | | | | | |
| 7 | PIPING SUPPORT - BEAMS- BE03 HEA160 | 3 | 5184 | 1 | |
| 8 | STAKES SUPPORTS ST05 HEA120 | 3 | 5184 | 1 | |
| 9 | WELDED AXIAL STOP -C1F1 H = 100 L = 120 | 3 | 5184 | 1 | |
| PIPE | | | | | |
| 10 | PIPE - A333-6 PE SMLS T01AC22Z02 S-XS <PIPL020A13/4XS> (L-PIP01) | 3/4 | I146384 | 0.2 M | |
| FLANGES | | | | | |
| 11 | SW FLANGE ASME B16.5 150# A350-LF2 Class 1 RFFE SWE 125 - 250 AARH F02CDC07B105 S-XS <SWFL300R153/4XS> (L-7970) | 3/4 | I820457 | 1 | |
| 12 | BLIND FLANGE ASME B16.5 150# A350-LF2 Class 1 RFFE NREQD 125 - 250 AARH F10CDC07B005 <BLFL300R153/4> (L-7972) | 3/4 | I560221 | 1 | |
| GASKETS | | | | | |
| 13 | SPIRAL WOUND GASKET ASME B16.20 150# RFTBE 316/GRAP LTCS SS 316 ASME B16.5 G03GDP11AG8 <N/A> (N/A) | 2 | I46364680 | 1 | |
| 14 | FLAT RING GASKET ASME B16.21 150# RFTBE NA/CARBON/NBR ASME B16.5 G02HDP2QS01 <NMGQ102R1F3/4> (L-NMG17) | 3/4 | I1655198 | 2 | |
| BOLTS | | | | | |
| 15 | STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A320-L7/A194-7 INCH SIZE I01OB5301 <SB2R55G5/831/2> - 2 NUTS PER BOLT - 85 mm Length | 5/8 | I55705048 | 4 | |
| 16 | STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A320-L7/A194-7 INCH SIZE I01OB5301 <SB2R55G1/221/2> - 2 NUTS PER BOLT - 65 mm Length | 1/2 | I55704809 | 8 | |
| VALVES / IN-LINE ITEMS | | | | | |
| 17 | GATE VALVE API 602 150# A350-LF2 Class 1 RFFE 10-316 API 602 L7/7 125 - 250 AARH BB-OS&Y SOW API 602 HW ASME B16.5 V01GDC07BHX1 NREQD <G43_4L-AL011> (L-AL011) | 3/4 | I63584653 | 1 | |

| | | | |
|-----------------------------|--|----------------------------|--|
| 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) | | | |
| PAINTING SCHEME (3) | CONTRACTOR: | CONTRACTOR DRAWING NUMBER: | PROJECT: |
| 1 |  | 4274-XH-DL-2121FL41C01-1 | 4001008 |
| PIPING CLASS | LOW LINEAL DENSITY POLYETHYLENE (PEL) AND POLYPROPYLENE (PP) PLANTS CLIENT / COMPLEX REPSOL POLYMEROSES SINES INDUSTRIAL COMPLEX | | |
| B32S1 | FOR PROJECT - ALBA PROJECT | | |
| WELDING CLASS (4) |  | | |
| M | | | |
| PED CATEGORY | | | |
| I | | | |
| INSULATION CODE / THK. (mm) | ANNEX 19 | SPEC. L | DRAWING NUMBER 19-000-2-02-00001 sheet 2121FL41C01-1 |
| P 50 | | | REV. 00 |