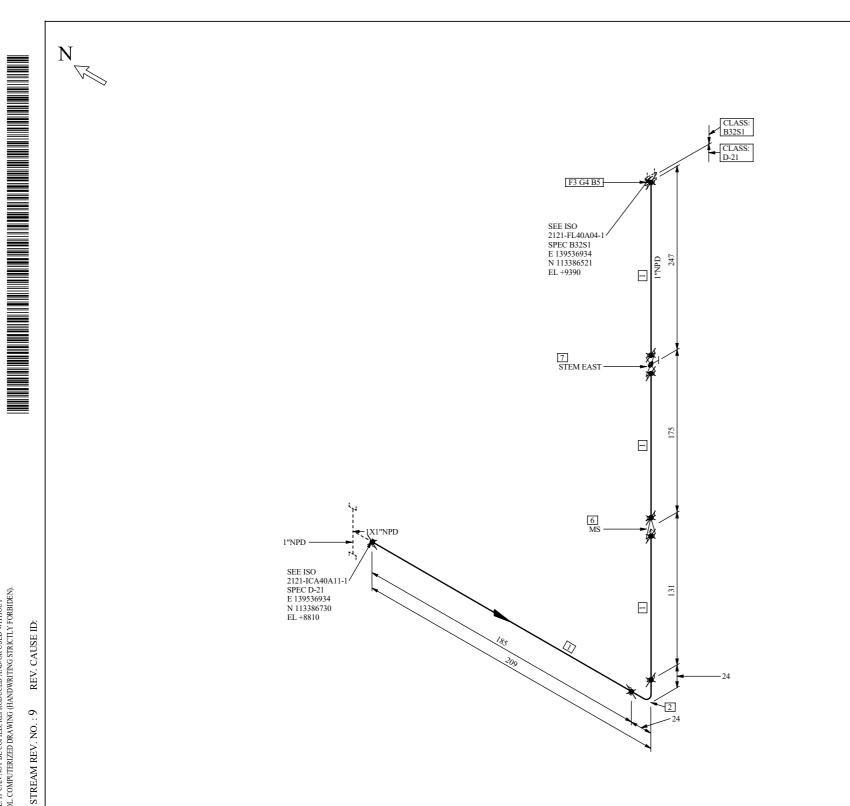
REV.

ISSUED FOR REFERENCE

DESCRIPTION

STREAM NO.:4020



BILL OF MATERIAL HOLD STATUS COMPONENT DESCRIPTION ITEM CODE QTY PIPE - A106-B PE SMLS T01AC03Z02 S-XS < PIPA010A11XS > (L-6679) I132793 90 ELBOW ASME B16.11 3000# A105N SWE SWE - R31FNC441103 NREQD I1651296 <90FA300LBK1> (L-178) SW FLANGE ASME B16.5 600# A105N RFFE SWE 125 - 250 AARH F02CHC44B105 S-XS 19805881 SPIRAL WOUND GASKET ASME B16.20 600# RFTBE 316/GRAP CARBON STEEL SS 316 I1256218 ASME B16.5 G03GHP1IA01 <SPWQ40046EA1> (L-1529) I53437440 STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE I010B0301 <SB2R51G5/831/2> - 2 NUTS PER BOLT - 90 mm Length ALVES / IN-LINE ITEMS PISTON CHECK VALVE API 602 800# A105N SWE SWE 8-F6&HF API 602 B7/2H BC MS, I63583296 SL V43GIC441100 NREOD < L61L-198> (L-198) GLOBE VALVE API 602 800# A105N SWE SWE 5-HARDFACED API 602 B7/2H BB-OS&Y I11426473 API 602 HW V02GIC441162 NREQD < A61L-296> (L-296)

| 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. |
| NDC |
| UPPORTS LEGEND: DENOTES PARTS LIST NO SUPPORT — A-RESTING SUPPORT G-GUIDE F-AXIAL STOP B-AACHOR M-SPRING S-TIERLONPAD SUPPORT |
| WHERE A WITHOUT NUMBERING IS INDICATED, THIS MEANS THAT THERE IS A REST DIRECTLY ON STEEL STRUCTURE. |
| STRESS CALC. Nº |
| |
| |
| |

05-MAY-2023 M.YADAV

G.PAGANONI

APPR. BY

P.VAZE

CHECK BY

REFERENCE Signature for construction is shown on Iso list of relevant CWA ISOMETRIC DRAWING

LINE

1"-ICA-40A11-D-21

19-A-19-000-1-01-00001 sheet 28

19-L-19-000-2-00-86196 sheet 3

19-L-19-000-2-00-80602

ISSUED FOR

PIPE MATERIAL

HEAT TREATMENT (PWHT)

INSULATION CODE / THK. (mm)

CS

PAINTING SCHEME (3) CONTRACTOR: PIPING CLASS

ANNEX

Art 4.3

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

5. CODE SHOWN IN BOM BETWEEN "<" & ">" DENOTES REPSOL UNICODE. "<N/A>" MEANS UNICODE IS "NOT AVAILABLE"

CONTRACTOR DRAWING NUMBER:

4001008 4274-XH-DL-2121ICA40A11-4 WELDING CLASS (4) LOW LINEAL DENSITY POLYETHILENE (PEL) PED CATEGORY

AND POLYPROPYLENE (PP) PLANTS FOR PROJECT - ALBA PROJECT REPSQL

DRAWING NUMBER

CLIENT / COMPLEX REPSOL POLYMEROS/ SINES INDUSTRIAL COMPLEX

00

PROJECT:

19-000-2-02-00001 sheet 2121ICA40A11-4 FILENAME: 19-000-2-02-00001 sheet 2121ICA40A11-4.dwg