BILL OF MATERIAL HOLD COMPONENT DESCRIPTION ITEM CODE QTY STATUS PIPE - A106-B PE SMLS T01AC03Z02 S-XS < PIPA010A11XS > (L-6679) I132793 2.9 M <90FA300LBK1> (L-178) 45 ELBOW ASME B16.11 3000# A105N SWE SWE - R32FNC441101 NREOD 11651292 <45FA300LBK1> (L-184) SPECIALTY COMPONENT 19-FX-4903 FLANGES SW FLANGE ASME B16.5 150# A105N RFFE SWE 125 - 250 AARH F02CDC44B105 S-XS 15378343 GASKETS SPIRAL WOUND GASKET ASME B16.20 150# RFFE 304/PTFE CARBON STEEL SS 304 ASME 1 12230476 B16.5 G03GDB1IG12 < SPAQ505R1EA1> (L-SPA04) BOLTS STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE I010B0301 I53437245 <SB2R51G1/231/2> - 2 NUTS PER BOLT - 90 mm Length STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE I010B0301 153437190 <SB2R51G1/221/2> - 2 NUTS PER BOLT - 65 mm Length VALVES / IN-LINE ITEMS DISC CHECK WFR VALVE ASME B16.34 150# A216-WCB RFTBE 316/R-PTFE, GF 125 -T10016148 250 AARH SL VERTICAL&HORIZONTAL CRACK. PRESS. 1/2 PSI ASME B16.5 V40JDC29P01 NREQD <N/A> (N/A) BALL VALVE API 608 150# A216-WCB RFFE 316/R-PTFE, GF B7/2H 125 - 250 AARH I10013687 2PSB-FULL BORE FLOATING BALL OHW ASME B16.5 V04JDC29BZZG NREQD <N/A> (N/A) ~~~~~ SW FLANGE ASME B16.5 300# A105N RFFE SWE 125 - 250 AARH F02CFC44B105 S-XS I4217823 <SWFA300R351XS> (L-375) SPIRAL WOUND GASKET ASME B16.20 300# RFTBE 304/GRAFOIL CARBON STEEL SS 304 1 I63508951 ASME B16.5 G03GFP1IS12 <N/A> (N/A) STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE I010B0301 153437270 <SB2R51G5/841/4> - 2 NUTS PER BOLT - 110 mm Length

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 X , 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 RETWEEN DATA SHOWN ON ISO AND IN LINE LIST (AS APPLICABLE DATA SHOWN IN LINE LIST GOVERN

05-MAY-23

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 FE011 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. SUPPORTS LEGEND: M.PECILE ISSUED FOR CONSTRUCTION - SITE REVISION .DONOFRIO F.CARRA ISSUED FOR REFERENCE 24-NOV-23 M YADAV P VAZE PAGANON 9-A-19-000-1-01-00001 sheet 57

U.CHAVAN

P.VAZE

CHECK BY

PAGANON

APPR. BY

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

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

ISSUED FOR REFERENCE

/IA

2121-LPN49A05-4 SPEC 1C13 E 139524178 N 113382634

FI +8141

2 EL+8117

Signature for construction is shown on Iso list of relevant CWA

ISOMETRIC DRAWING LINE

1"-LPN-49A05-1C13

PIPE MATERIAL CS HEAT TREATMENT (PWHT)

1C13

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: 4274-XH-DL-2121LPN49A05-5

PROJECT: 4001008

WELDING CLASS (4) ED CATEGORY Art 4.3 SULATION CODE / THK. (mm

PAINTING SCHEME (3)

PIPING CLASS

Ν

LOW LINEAL DENSITY POLYETHILENE (PEL) AND POLYPROPYLENE (PP) PLANTS FOR PROJECT - ALBA PROJECT REPSQL annex 19

REPSOL POLYMEROS/ SINES INDUSTRIAL COMPLEX 1A 19-000-2-02-00001 sheet 2121LPN49A05-5

CLIENT / COMPLEX

FILENAME: 19-000-2-02-00001 sheet 2121LPN49A05-5.dwg

08-12-2023 13:31:24

ISSUED FOR REFERENCE

DESCRIPTION