

BILL OF MATERIAL HOLD COMPONENT DESCRIPTION STATUS ITEM CODE QTY (IN) FITTINGS CONCENTRIC SWAGE MSS SP-95 - A420-WPL6 BE PE SMLS SCH1-STD SCH2-XS 1940556 R21FQC09VZ15 < CSWL020GR14151316 > (L-CSW31) WN FLANGE ASME B16.5 300# A350-LF2 Class 1 RFFE BE 125 - 250 AARH I219618 PIPE - A333-6 PE SMLS T01AC22Z02 S-XS < PIPL020A111/2XS > (L-PIP01). I146408 0.3 M 1.1/2 TEE ASME B16.11 3000# A350-LF2 Class 1 SWE SWE - R11FNC071101 NREQD 1.1/2X1.1/2 I213735 <TESL300LBK11/2> (L-7904) SPECTACLE DISC ASME B16 48 150# A516-70 NORM FETBE 125 - 250 AARH SUPPL 1 1/2 15355899 REQ. S5 ASME B16.5 D0601DC65O04 NREQD <FI8A510F1A13> (L-FI826) LANGES SW FLANGE ASME B16.5 150# A350-LF2 Class 1 RFFE SWE 125 - 250 AARH 1.1/2 I820487 F02CDC07B105 S-XS <SWFL300R1511/2XS> (L-7970) GASKETS FLAT RING GASKET ASME B16.21 300# RFTBE NA/CARBON/NBR ASME B16.5 I1169099 G02HFP2QS01 < NMGQ102R3F2 > (L-NMG18) FLAT RING GASKET ASME B16.21 150# RFTBE NA/CARBON/NBR ASME B16.5 I1655199 G02HDP2OS01 < NMGO102R1F11/2> (L-NMG17) STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A320-L7/A194-7 INCH SIZE I010B5301 155705059 <SB2R55G5/831/2> - 2 NUTS PER BOLT - 90 mm Length STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A320-L7/A194-7 INCH SIZE I010B5301 155704842 <SB2R55G1/231/4> - 2 NUTS PER BOLT - 80 mm Length STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A320-L7/A194-7 INCH SIZE I010B5301 <SB2R55G1/223/4> - 2 NUTS PER BOLT - 70 mm Length VALVES / IN-LINE ITEMS 12 GATE VALVE API 602 150# A350-LF2 Class 1 RFFE 10-316 API 602 L7/7 125 - 250 1.1/2 163584656 AARH BB-OS&Y SOW API 602 HW ASME B16.5 V01GDC07BHX1 NREQD <G411 2L-AL011> 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 CS, low temperature 3. WELDING ACCORDING TO 45-L-45-000-2-00-80021 HEAT TREATMENT (PWHT) 5. CODE SHOWN IN BOM BETWEEN "<" & ">" DENOTES REPSOL UNICODE. "<N/A>" MEANS UNICODE IS "NOT AVAILABLE" PAINTING SCHEME (3) CONTRACTOR: CONTRACTOR DRAWING NUMBER: PROJECT: 4001008 4274-XH-DL-2121FL40B05-1

5) TOK THE COME ONENTS MAKKED ASTREED WELDED WITH THIS STIMBOL A , ONE WELD TOK ADJUSTIMENT OF IN LINE COME ONENT MIGST BE ELL'I										
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 SUPPORT — A=RESTING SUPPORT G=GLIDE F=AXIAL STOP B=ANCHOR M=SPRING S=TIFLON PAD WHERE A WITHOUT NUMBERING IS INDICATED, THIS MEANS THAT THERE IS A REST DIRECTLY ON STEEL STRUCTURE.										
										STRESS CALC. Nº
										-
0.1	ICCLIED FOR CONCERNICATION				07 CED 22	M.YADAV	P.VAZE	G.PAGANONI		P & ID
01	ISSUED FOR CONSTRUCTION			07-SEP-23					19-A-19-000-1-01-00001 sheet 29A	
										LINE LIST Nº

Signature for construction is shown on Iso list of relevant CWA

CONSTRUCTION

ISOMETRIC DRAWING LINE

2"-FL-40B05-B32S1

PIPING CLASS

ANNEX

INSULATION CODE / THK. (mm)

B32S1 WELDING CLASS (4) LOW LINEAL DENSITY POLYETHILENE (PEL) AND POLYPROPYLENE (PP) PLANTS PED CATEGORY FOR PROJECT - ALBA PROJECT REPSQL

DRAWING NUMBER

CLIENT / COMPLEX REPSOL POLYMEROS/ SINES INDUSTRIAL COMPLEX

01

FILENAME: 19-000-2-02-00001 sheet 2121FL40B05-1.dwg

ISSUED FOR CONSTRUCTION 07-APR-2023 M.YADAV P.VAZE G.PAGANONI 19-L-19-000-2-00-80602 REV. APPR. CLIENT DESCRIPTION CHECK BY APPR. BY DRW. BY 19-L-19-000-2-00-86192 sheet 2

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

19-000-2-02-00001 sheet 2121FL40B05-1