REMARKS FOR MECHANICAL SUBCONTRACTOR:

1) LINES 1.1/2" AND SMALLER SHALL BE SUPPORTED IN FIELD IF NOT OTHERWISE INDICATED.

SEE ISO 2121-LC91A52-2 SPEC B-5 E 139522750 N 113389300 FROM TRACER E 139523051 N 113389300 E 139522715 -N 113388897 EL +5353 STEM NORTH 17 STEM NORTH F13 G14 B15 19-2121-R-011 F13 G14 B15 E 139522750 N 113389300 EL +4785

BILL OF MATERIAL HOLD COMPONENT DESCRIPTION ITEM CODE QTY STATUS (IN) PIPE - A106-B BE SMLS T01AC03V02 S-XS < PIPA010B12XS > (L-6679) I117863 REDUCING SOCKOLET MSS-SP-97 3000# A105N BE SWE - R13DNC44V101 NREQD I1651331 <SOKA300LB01410> (L-343) I124386 PIPE - A106-B PE SMLS T01AC03Z02 S-XS < PIPA010A13/4XS > (L-6679) I132785 0.2 M PIPE - A106-B PE SMLS T01AC03Z02 S-XS < PIPA010A11/2XS > (L-6679) I132777 1.1 M FITTINGS 90 ELBOW ASME B16.11 3000# A105N SWE SWE - R31FNC441103 NREQD I1651298 <90FA300LBK3/4>(L-178) NIPPLE - - A106-B PE MTE SMLS LENGTH 100mm R03AQC03ZW04 S-160 I2221177 <NTOA010E1110324> (L-7881) CAP ASME B16.11 3000# A105N FTE NREQD - R41FNC442001 NREQD <CATA300KBK3/4> 3/4 I1651686 90 ELBOW ASME B16.11 3000# A105N SWE SWE - R31FNC441103 NREOD 11651295) SPECIALTY COMPONENT 19-ST-9139 1 NIPPLE - - A106-B PE MTE SMLS LENGTH 100mm R03AQC03ZW04 S-160 I2221167 <NTOA010E1100324> (L-7881) 2 CAP ASME B16.11 3000# A105N FTE NREQD - R41FNC442001 NREQD <CATA300KBK1/2> 1/2 I1651685 (L-79) FLANGES 13 SW FLANGE ASME B16.5 150# A105N RFFE SWE 125 - 250 AARH F02CDC44B105 S-XS I5378341 <SWFA300R151/2XS> (L-295) GASKETS 14 SPIRAL WOUND GASKET ASME B16.20 150# RFTBE 316/GRAP CARBON STEEL SS 316 I1256089 ASME B16.5 G03GDP1IA01 <SPWQ400R11/2> (L-1527) I53437179 15 STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE I010B0301 <SB2R51G1/221/2> - 2 NUTS PER BOLT - 60 mm Length VALVES / IN-LINE ITEMS 6 GATE VALVE API 602 800# A105N SWE SWE 5-HARDFACED API 602 B7/2H BB-OS&Y SOW 3/4 API 602 HW V01GIC441111 NREQD < G63 4L-6566> (L-6566) GATE VALVE API 602 800# A105N SWE SWE 5-HARDFACED API 602 B7/2H BB-OS&Y SOW 1/2 I11426463 API 602 HW V01GIC441111 NREQD < G61_2L-6566> (L-6566)

20	3) FOR 4) FOR 5) GUS	DIMENSION AND PROPER CONFIGURATION FOR LINES NPS 1.1/2" AND SMALLER SHALL F. THE COMPONENTS MARKED AS FIELD WELDED WITH THIS SYMBOL ▼, ONE WELD FOR EXTRA PIPE LENGTH REFER TO 4274-LZ-PC-00000603. SSETING TO BE IMPLEMENTED BY MECHANICAL SUBCONTRACTOR AS PER 45-L-45-000-24- SSETING TO BE IMPLEMENTED BY MECHANICAL SUBCONTRACTOR AS PER 45-L-45-000-24- SSETING TO SET AS A STATE OF THE STATE OF THE ADMITTED THE STATE OF TH	CONSTRUCTION						
22:37:	7) IN C 8) ACT	SING BETWEEN WELDS ON PIPELINE SHALL NOT BE ADMITTED. SE OF DISCREPANCIES BETWEEN DATA SHOWN ON ISO AND IN LINE LIST (AS APPLICABLE, DATA SHOWN IN LINE LIST GOVERN. AL CUT LENGTH OF PIPE AND FIELD WELDS SHALL BE DEFINED BY MECHANICAL SUBCONTRACTOR (REF.TO 4274-LZ-PC-00000603). E EARTHING BONDING IS REQUIRED, MECHANICAL SUBCONTRACTOR TO PERFORM IT BASED ON DOC. 45-P-000-7-06-00902/ 4274NN-DW-00000002 AND ASSEMBLY NO FEA005 AND FE019.							
-2024	Then some a perturbation of the property of th								Signature for construction is shown on Iso list of relevant CWA
5-01								STRESS CALC. N°	TITLE
TE: 2								P & ID 19-A-19-000-1-01-00001 sheet 117	ISOMETRIC DRAWING
DA	00	ISSUED FOR CONSTRUCTION	29-JAN-24	M.YADAV	P.VAZE	G.PAGANONI		LINE LIST N° 19-L-19-000-2-00-80602	LINE
EXTR.	REV.	DESCRIPTION	DATE	DRW. BY	CHECK BY	APPR. BY	APPR. CLIENT	PIPE LAYOUT N° 19-L-19-000-2-00-86197 sheet 2	2"-LC-91A52-B-5 (P)

E 139522457 N 113389300

6 EL +4675

APPROVED FOR CONSTRUCTION

CS HEAT TREATMENT (PWHT) PAINTING SCHEME (3)

INSULATION CODE / THK. (mm)

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

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

PIPING CLASS 4001008 4274-XH-DL-2121LC91A52-3 WELDING CLASS (4) LOW LINEAL DENSITY POLYETHILENE (PEL) AND POLYPROPYLENE (PP) PLANTS PED CATEGORY

FOR PROJECT - ALBA PROJECT

REPSOL POLYMEROS/ SINES INDUSTRIAL COMPLEX

CLIENT / COMPLEX REPSQL Art 4.3 ANNEX DRAWING NUMBER 00 19-000-2-02-00001 sheet 2121LC91A52-3 FILENAME: 19-000-2-02-00001 sheet 2121LC91A52-3.dwg