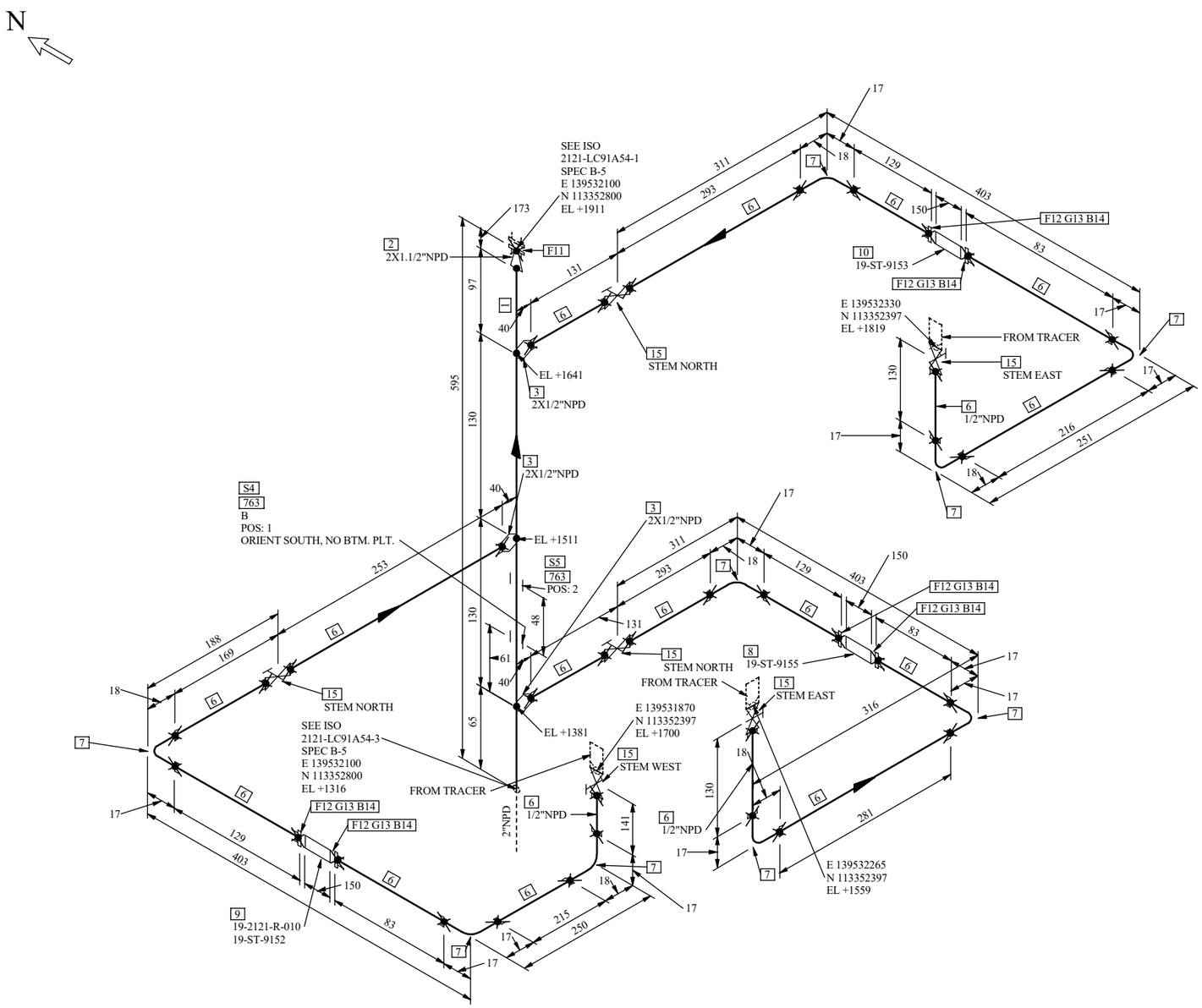

BILL OF MATERIAL

PT NO	COMPONENT DESCRIPTION	N.S. (IN)	ITEM CODE	QTY	HOLD STATUS
PIPE					
1	PIPE - A106-B BE SMLS T01AC03V02 S-XS <PIPA010B12XS> (L-6679)	2	I117863	0.5 M	
FITTINGS					
2	CONCENTRIC SWAGE MSS SP-95 - A234-WPB BE PE SMLS SCH1-XS SCH2-XS R21FQC04VZ01 <CSWA010GR14161316> (L-CSW29)	2X1.1/2	I919590	1	
3	REDUCING SOCKOLET MSS-SP-97 3000# A105N BE SWE - R13DNC44V101 NREQD <SOKA300LB01410> (L-343)	2X1/2	I1651331	3	
PIPE SUPPORTS					
4	WELDED ANCHOR -C1B2 H = 100 L = 100	2	763	1	
5	WELDED BRACKET TO STRUCT. SB33 - HE100A	2	763	1	
PIPE					
6	PIPE - A106-B PE SMLS T01AC03Z02 S-XS <PIPA010A11/2XS> (L-6679)	1/2	I132777	2.7 M	
FITTINGS					
7	90 ELBOW ASME B16.11 3000# A105N SWE SWE - R31FNC441103 NREQD <90FA300LBK1/2> (L-178)	1/2	I1651295	9	
8	SPECIALTY COMPONENT	1/2	19-ST-9155	1	
9	SPECIALTY COMPONENT	1/2	19-ST-9152	1	
10	SPECIALTY COMPONENT	1/2	19-ST-9153	1	
FLANGES					
11	SW FLANGE ASME B16.5 150# A105N RFFE SWE 125 - 250 AARH F02CDC44B105 S-XS <SWFA300R1511/2XS> (L-295)	1.1/2	I5378345	1	
12	SW FLANGE ASME B16.5 150# A105N RFFE SWE 125 - 250 AARH F02CDC44B105 S-XS <SWFA300R151/2XS> (L-295)	1/2	I5378341	6	
GASKETS					
13	SPIRAL WOUND GASKET ASME B16.20 150# RFTBE 316/GRAP CARBON STEEL SS 316 ASME B16.5 G03GDP1IA01 <SPWQ400R11/2> (L-1527)	1/2	I1256089	6	
BOLTS					
14	STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE I01OB0301 <SB2R51G1/221/2> - 2 NUTS PER BOLT - 60 mm Length	1/2	I53437179	24	
VALVES / IN-LINE ITEMS					
15	GATE VALVE API 602 800# A105N SWE SWE 5-HARDFACED API 602 B7/2H BB-OS&Y SOW API 602 HW V01GIC441111 NREQD <G61_2L-6566> (L-6566)	1/2	I11426463	6	

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: 1 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.

REV.	DESCRIPTION	DATE	DRW. BY	CHECK BY	APPR. BY	APPR. CLIENT
00	ISSUED FOR CONSTRUCTION	29-JAN-24	M.YADAV	P.VAZE	G.PAGANONI	

APPROVED FOR CONSTRUCTION

Signature for construction is shown on Iso list of relevant CWA

TITLE

ISOMETRIC DRAWING LINE

2"-LC-91A54-B-5 (P)

STRESS CALC. Nº: -
P & ID: 19-A-19-000-1-01-00001 sheet 117
LINE LIST Nº: 19-L-19-000-2-00-80602
PIPE LAYOUT Nº: 19-L-19-000-2-00-86192 sheet 1

PIPE MATERIAL: CS
HEAT TREATMENT (PWHT): N
PAINTING SCHEME (3): 6
PIPING CLASS: B-5
WELDING CLASS (4): E
PED CATEGORY: Art 4.3
INSULATION CODE / THK. (mm): P 50

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: Tecnimont
CONTRACTOR DRAWING NUMBER: 4274-XH-DL-2121LC91A54-2
PROJECT: 4001008

REPSOL
LOW LINEAL DENSITY POLYETHILENE (PEL) AND POLYPROPYLENE (PP) PLANTS FOR PROJECT - ALBA PROJECT
CLIENT / COMPLEX: REPSOL POLYMEROS/ SINES INDUSTRIAL COMPLEX

ANNEX 19 | SPEC. L | DRAWING NUMBER 19-000-2-02-00001 sheet 2121LC91A54-2 | REV. 00

FILENAME: 19-000-2-02-00001 sheet 2121LC91A54-2.dwg

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EXTR. DATE: 25-01-2024 22:27:07 STREAM NO.:3151 STREAM REV. NO.: 10 REV. CAUSE ID: