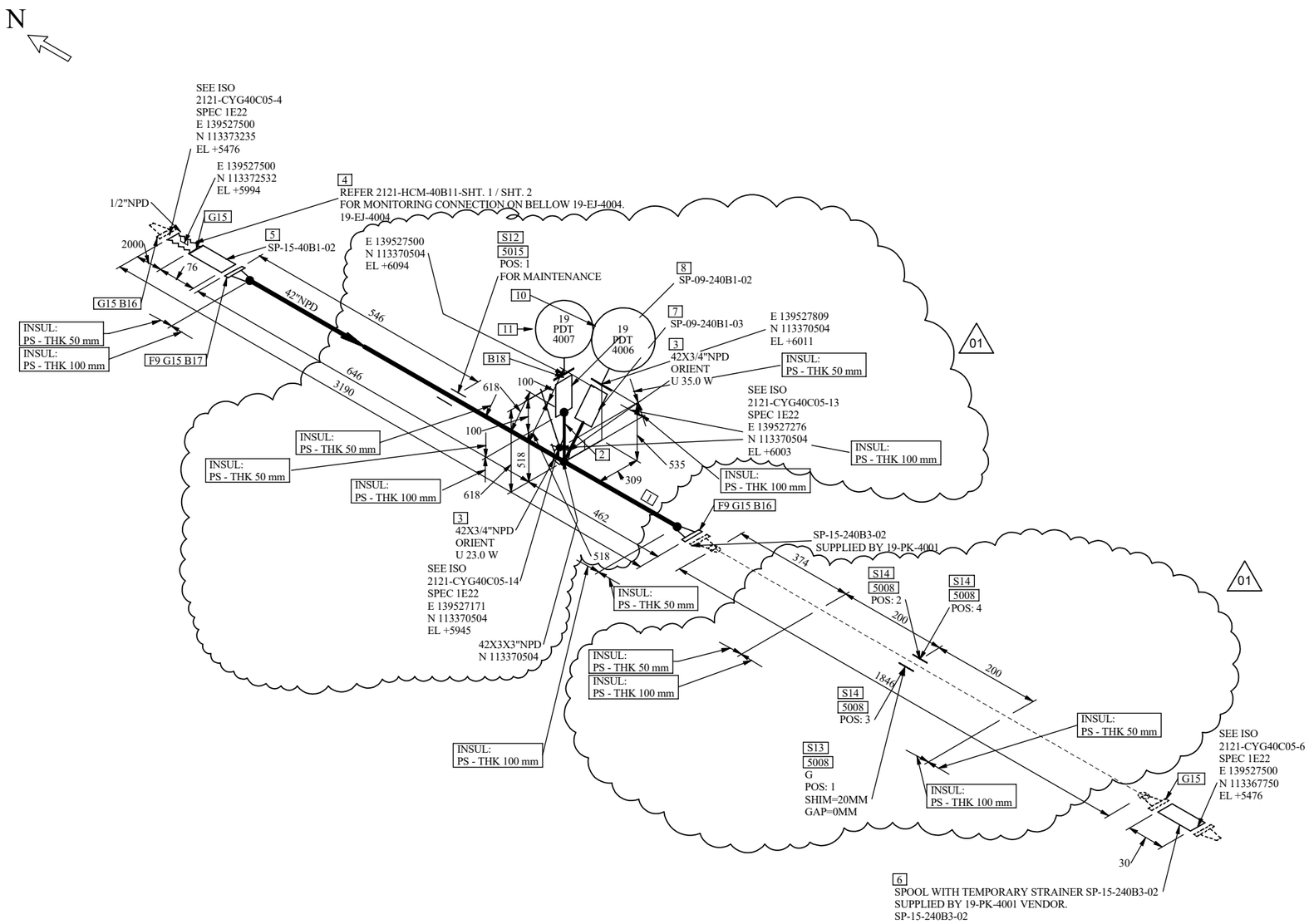

BILL OF MATERIAL

PT NO	COMPONENT DESCRIPTION	N.S. (IN)	ITEM CODE	QTY	HOLD STATUS
PIPE					
1	PIPE - A672-C60 BE EFW CL.22 T01AC24V44 S-15.88 <PIPA0C0B1420.625> (L-PIP63)	42	I63598453	0.7 M	
2	SPECIALTY COMPONENT	3	19-EJ-4004	0.6 M	
FITTINGS					
3	REDUCING SOCKOLET MSS-SP-97 3000# A105N BE SWE - R13DNC44V101 NREQD <SOKA300LB03511> (L-343)	42X3/4	I7843539	2	
4	SPECIALTY COMPONENT	42	19-EJ-4004	1	
5	SPECIALTY COMPONENT	42	SP-15-40B1-02	1	
6	SPECIALTY COMPONENT	42	SP-15-240B3-02	1	
7	SPECIALTY COMPONENT	3	SP-09-240B1-03	1	
8	SPECIALTY COMPONENT	3	SP-09-240B1-02	1	
FLANGES					
9	WN FLANGE ASME B16.47-B 300# A105N RFFE BE 125 - 250 AARH F01MFC44BV05 S-15.88 <WNFA300R36420.625> (L-8519)	42	I9805987	2	
INSTRUMENTS					
10	INSTRUMENT COMPONENT	3	19-PDT-4006	1	
11	INSTRUMENT COMPONENT	3	19-PDT-4007	1	
PIPE SUPPORTS					
12	RESTING SHOE WELDED -C4A1 H = 150 L = 400	42	5015	1	
13	CLAMPED GUIDE-C5G1 H = 150 L = 400	42	5008	1	
14	SLIDING TEFLON PLATE- P69A-130mm	42	5008	3	
GASKETS					
15	JACKETED GASKET ASME B16.20 300# RFFE SS 316 / GRAPHOIL Gr. GTH 125 - 250 AARH 3.2 mmTHICK 3 PLY CORRUGATED ASME B16.47-B - G04GFB3BE02 <N/A> (N/A)	42	I9806431	5	
BOLTS					
16	STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE I01OB0301 <SB2R51G13/4133/4> - 2 NUTS PER BOLT - 355 mm Length	1.3/4	I53439069	72	
17	STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE I01OB0301 <SB2R051G13/4163/4> - 2 NUTS PER BOLT - 430 mm Length	1.3/4	I67094742	36	
18	STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE I01OB0301 <SB2R51G3/441/4> - 2 NUTS PER BOLT - 105 mm Length	3/4	I53437464	8	

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
01	ISSUED FOR CONSTRUCTION	01-DEC-23	U.CHAVAN	P.VAZE	G.PAGANONI	
00	ISSUED FOR CONSTRUCTION	21-JUL-23	U.CHAVAN	P.VAZE	G.PAGANONI	

STRESS CALC. Nº: REP-PE-001
P & ID: 19-A-19-000-1-01-00001 sheet 29
LINE LIST Nº: 19-L-19-000-2-00-80602
PIPE LAYOUT Nº: 19-L-19-000-2-00-86196 sheet 2

APPROVED FOR CONSTRUCTION

Signature for construction is shown on Iso list of relevant CWA

TITLE

ISOMETRIC DRAWING LINE

42"-CYG-40C05-1E22 (PS)

PIPE MATERIAL: CS
HEAT TREATMENT (PWHT): N
PAINTING SCHEME (3): 20
PIPING CLASS: 1E22
WELDING CLASS (4): E-1
PED CATEGORY: III
INSULATION CODE / THK. (mm): PS 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-2121CYG40C05-5

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 2121CYG40C05-5 | REV.: 01

FILENAME: 19-000-2-02-00001 sheet 2121CYG40C05-5.dwg

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EXTR. DATE: 01-12-2023 12:03:59 STREAM NO.:4512 STREAM REV. NO. : 10 REV. CAUSE ID: 3