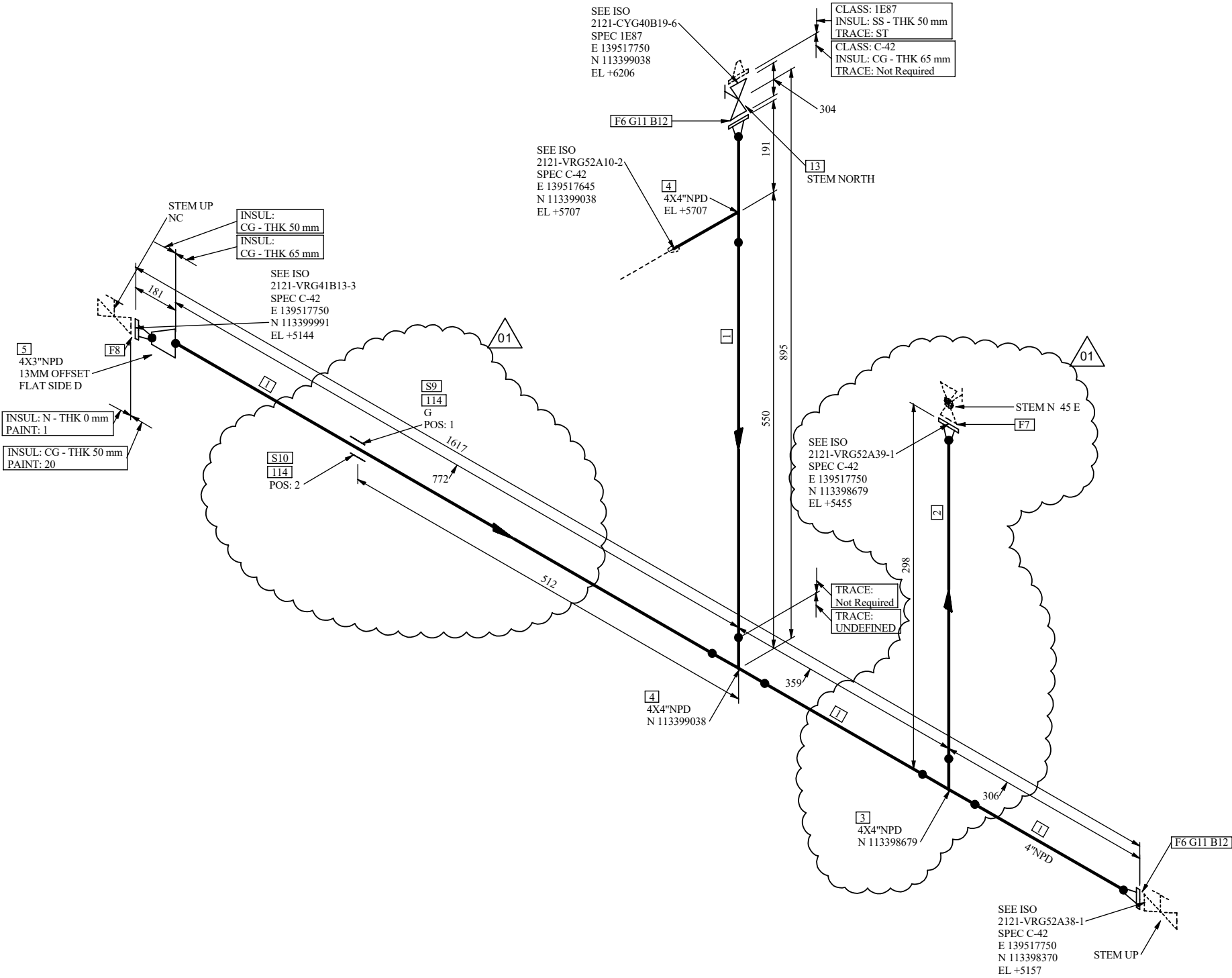
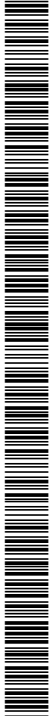


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EXTR. DATE: 23-08-2023 19:49:53

STREAM NO.:4517

REV. CAUSE ID: 1



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 FE005 AND FE019.

**SUPPORTS LEGEND:**  DENOTES PARTS LIST NO  PIPE SUPPORT  A=RESTING SUPPORT G=GUIDE F=AXIAL STOP B=ANCHOR M=SPRING S=TEFLON PAD WHERE  WITHOUT NUMBERING IS INDICATED, THIS MEANS THAT THERE IS A REST DIRECTLY ON STEEL STRUCTURE.

							STRESS CALC. N° REP-PE-031
01	ISSUED FOR CONSTRUCTION	24-AUG-23	M.YADAV	P.VAZE	G.PAGANONI		P & ID 19-A-19-000-1-01-00001 sheet 53
00	ISSUED FOR CONSTRUCTION	27-JAN-23	M.YADAV	P.VAZE	G.PAGANONI		LINE LIST N° 19-L-19-000-2-00-80602
REV.	DESCRIPTION	DATE	DRW. BY	CHECK BY	APPR. BY	APPR. CLIENT	PIPE LAYOUT N° 19-L-19-000-2-00-86197 sheet 2

APPROVED FOR  
CONSTRUCTION



Signature for construction is shown  
on Iso list of relevant CWA

TITLE  
**ISOMETRIC DRAWING  
LINE**

4"-VRG-52A10-C-42 (CG)

BILL OF MATERIAL

PT NO	COMPONENT DESCRIPTION	N.S. (IN)	ITEM CODE	QTY	HOLD STATUS
PIPE					
1	PIPE - A333-6 BE SMLS T01AC22V02 S-STD <PIPL020B14STD> (L-8199).	4	I146310	1.3 M	
2	PIPE - A333-6 BE SMLS T01AC22V02 S-STD <PIPL020B14STD> (L-8199)	4	I146310	0.2 M	
FITTINGS					
3	STRAIGHT TEE ASME B16.9 A420-WPL6 BE SMLS C31DC09V01 S-STD <TEBL210F316151615> (L-8243)	4X4	I213676	1	
4	STRAIGHT TEE ASME B16.9 A420-WPL6 BE SMLS C31DC09V01 S-STD <TEBL210F316151615> (L-8243).	4X4	I213676	2	
5	ECCENTRIC REDUCER ASME B16.9 A420-WPL6 BE SMLS C22DC09V01 S-STD S-STD <EREL210F316151515> (L-8238).	4X3	I213211	1	
FLANGES					
6	WN FLANGE ASME B16.5 300# A350-LF2 Class 1 RFFE BE 125 - 250 AARH F01CFC07BV05 S-STD <WNFL300R354STD> (L-7981).	4	I219623	2	
7	WN FLANGE ASME B16.5 300# A350-LF2 Class 1 RFFE BE 125 - 250 AARH F01CFC07BV05 S-STD <WNFL300R354STD> (L-7981)	4	I219623	1	
8	WN FLANGE ASME B16.5 300# A350-LF2 Class 1 RFFE BE 125 - 250 AARH F01CFC07BV05 S-STD <WNFL300R353STD> (L-7981).	3	I219622	1	
PIPE SUPPORTS					
9	CLAMPED GUIDE,COLD INS.-F2G1 H=150 L=300	4	I14	1	
10	STAKES SUPPORTS ST01 HEA100	4	I14	1	
GASKETS					
11	SPIRAL WOUND GASKET ASME B16.20 300# RFTBE 316/GRAP LTCS SS 316 ASME B16.5 G03GFP1IAG8 <N/A> (N/A)	4	I46364709	2	
BOLTS					
12	STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A320-L7/A194-7 INCH SIZE I010B5301 <SB2R55G3/441/2> - 2 NUTS PER BOLT - 115 mm Length	3/4	I55705085	16	
VALVES / IN-LINE ITEMS					
13	GATE VALVE API 600 300# A352-LCC RFFE 10-316 API 600 L7/7 125 - 250 AARH BB-OS&Y FLXW API 600 HW ASME B16.5 V01FFC82B12R NREQD <G44L-7863> (L-7863).	4	I63584434	1	

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. 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".		
CS, low temperature			
HEAT TREATMENT (PWHIT)			
N			
PAINTING SCHEME (3)	CONTRACTOR:	CONTRACTOR DRAWING NUMBER:	PROJECT:
20		4274-XH-DL-2121VRG52A10-1	4001008
PIPING CLASS	 LOW LINEAL DENSITY POLYETHYLENE (PEL) AND POLYPROPYLENE (PP) PLANTS FOR PROJECT - ALBA PROJECT CLIENT / COMPLEX REPSOL POLYMEROS/ SINES INDUSTRIAL COMPLEX		
C-42			
WELDING CLASS (4)	ANNEX 19 SPEC. L DRAWING NUMBER 19-000-2-02-00001 sheet 2121VRG52A10-1		
M			
PED CATEGORY	REV. 01		
II			
INSULATION CODE / THK. (mm)	CG 65		
CG 65			