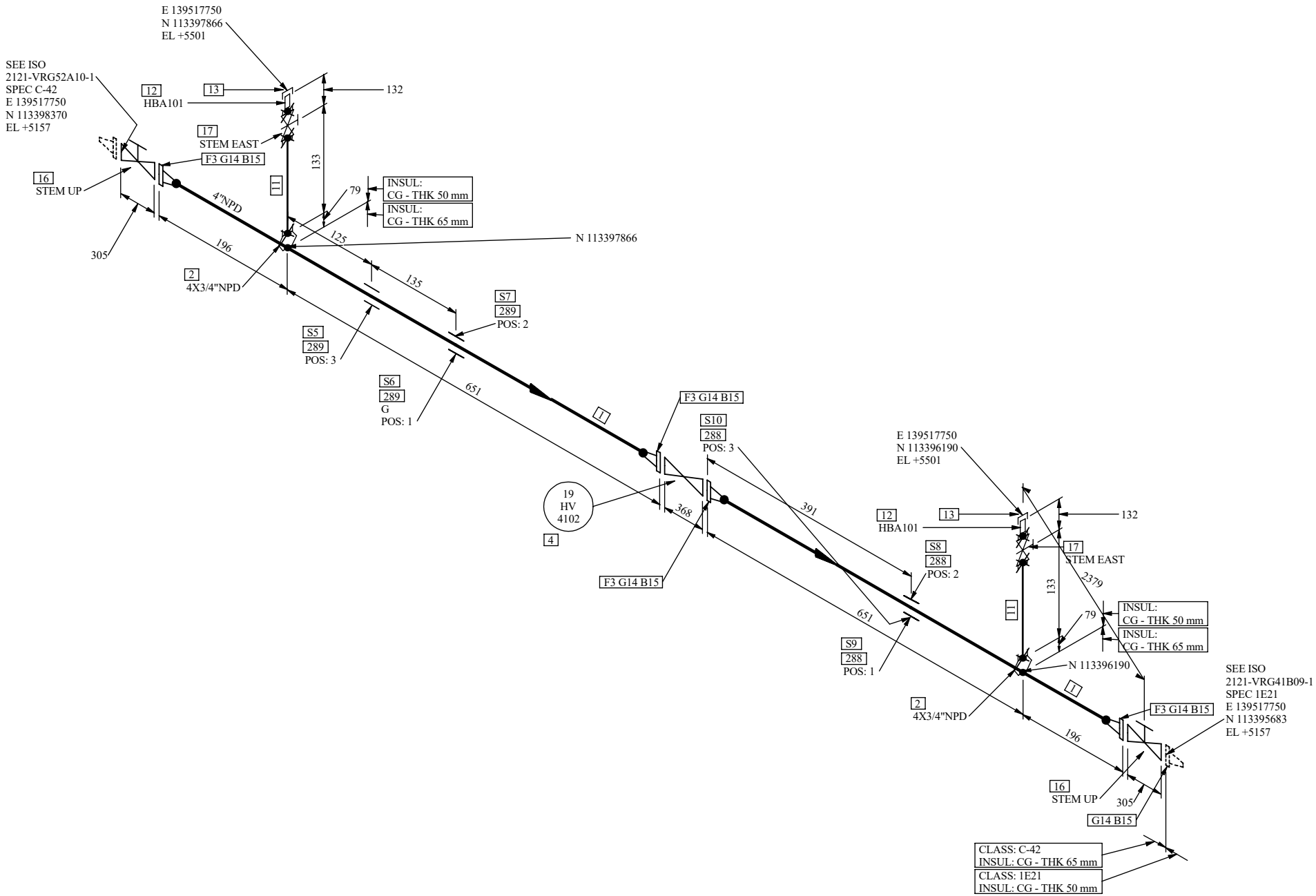












THIS DOCUMENT BELONGS TO REPSOL. IT CAN NOT BE COPIED, REPRODUCED AND/OR USED WITHOUT  
PREVIOUS AUTHORIZATION OF REPSOL. COMPUTERIZED DRAWING (HANDWRITING STRICTLY FORBIDDEN).

EXTR. DATE: 28-01-2023 11:33:13

STREAM NO.:4518

REV. CAUSE ID:



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:						
 DENOTES PARTS LIST NO		 PIPE SUPPORT		 A=RESTING SUPPORT WHERE  WITHOUT NUMBERING IS INDICATED, THIS MEANS THAT THERE IS A REST DIRECTLY ON STEEL STRUCTURE.		
		 G=GUIDE		 F=AXIAL STOP		
		 B=ANCHOR		 M=SPRING		
		 S=TEFLON PAD				
						STRESS CALC. N° -
						P & ID 19-A-19-000-1-01-00001 sheet 53
						LINE LIST N° 19-L-19-000-2-00-80602
						PIPE LAYOUT N° 19-L-19-000-2-00-86197 sheet 2
00	ISSUED FOR CONSTRUCTION	27-JAN-23	M.YADAV	P.VAZE	G.PAGANONI	
REV.	DESCRIPTION	DATE	DRW. BY	CHECK BY	APPR. BY	APPR. CLIENT

APPROVED FOR  
CONSTRUCTION

Signature for construction is shown  
on Iso list of relevant CWA

TITLE  
**ISOMETRIC DRAWING  
LINE**  
4"-VRG-52A38-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	1.4 M	
FITTINGS					
2	REDUCING SOCKOLET MSS-SP-97 3000# A350-LF2 Class 1 BE SWE - R13DNC07V101 NREQD <SOKL300LB01611> (L-7906)	4X3/4	I368235	2	
FLANGES					
3	WN FLANGE ASME B16.5 300# A350-LF2 Class 1 RFFE BE 125 - 250 AARH F01CFC07BV05 S-STD <WNFL300R354STD> (L-7981)	4	I219623	4	
INSTRUMENTS					
4	INSTRUMENT COMPONENT	4	19-HV-4102	1	
PIPE SUPPORTS					
5	PIPING SUPPORT - BEAMS- BE03 HEA100	4	289	1	
6	CLAMPED GUIDE,COLD INS.-F2G1 H=150 L=300	4	289	1	
7	STAKES SUPPORTS ST01 HEA100	4	289	1	
8	STAKES SUPPORTS ST01 HEA100	4	288	1	
9	RESTING SHOE CLAMPED,COLD INS. -F2A1 H=150 L=300	4	288	1	
10	PIPING SUPPORT - BEAMS- BE03 HEA100	4	288	1	
PIPE					
11	PIPE - A333-6 PE SMLS T01AC22Z02 S-XS <PIPL020A13/4XS> (L-PIP01)	3/4	I146384	0.3 M	
FITTINGS					
12	NIPPLE - - A333-6 PE MTE SMLS LENGTH 100mm R03AQC22ZW04 S-160 <NTOL020E1110324> (L-9261)	3/4	I2503089	2	
13	CAP ASME B16.11 3000# A350-LF2 Class 1 FTE NREQD - R41FNC072001 NREQD <CATL300KBK3/4> (L-7902)	3/4	I118032	2	
GASKETS					
14	SPIRAL WOUND GASKET ASME B16.20 300# RFTBE 316/GRAP LTC'S SS 316 ASME B16.5 G03GFP11AG8 <N/A> (N/A)	4	I46364709	5	
BOLTS					
15	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	40	
VALVES / IN-LINE ITEMS					
16	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	2	
17	GATE VALVE API 602 800# A350-LF2 Class 1 SWE SWE 10-316 API 602 L7/7 BB-OS&Y SOW API 602 HW V01GIC0711ZZC NREQD <G63_4L-9943> (L-9943)	3/4	I64383040	2	