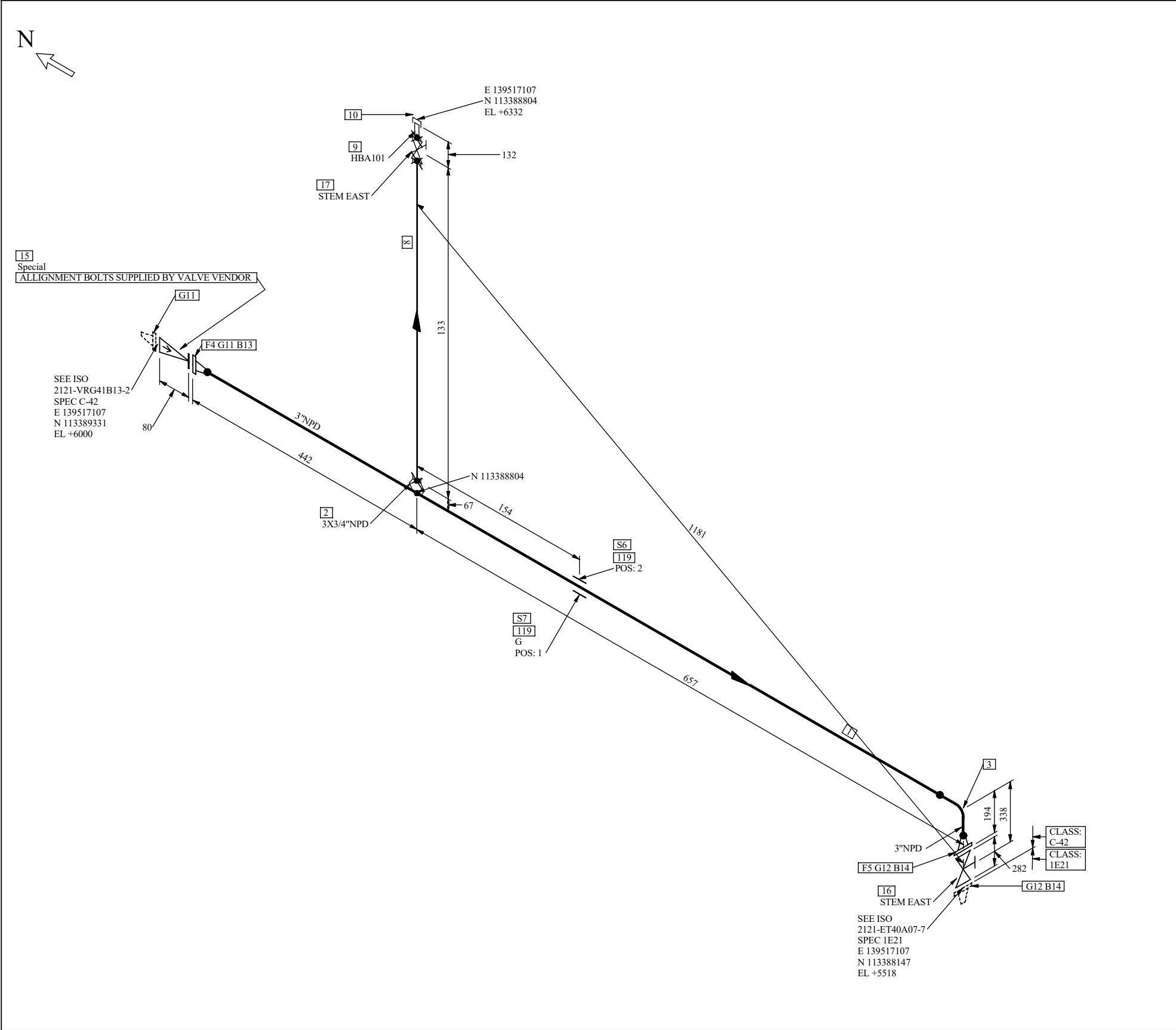




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EXTR. DATE: 17-02-2023 13:47:24      STREAM NO.:5425      STREAM REV. NO. : 7      REV. CAUSE ID:



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 <PIPL020B13STD> (L-8199)	3	I146278	1.0 M	
FITTINGS					
2	REDUCING SOCKOLET MSS-SP-97 3000# A350-LF2 Class 1 BE SWE - R13DNC07V101 NREQD <SOKL300LB01511> (L-7906)	3X3/4	I368227	1	
3	90 LR ELBOW ASME B16.9 A420-WPL6 BE SMLS C01DC09V01 S-STD <90LL210F33STD> (L-7966)	3	I213645	1	
FLANGES					
4	WN FLANGE ASME B16.5 300# A350-LF2 Class 1 RFFE BE 125 - 250 AARH F01CFC07BV05 S-STD <WNFL300R353STD> (L-7981).	3	I219622	1	
5	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					
6	WELDED BRACKET TO STRUCT. SB01 L100X100X10	3	I119	1	
7	STANDARD GUIDE FOR NOT INS. PIPING-N1G1	3	I119	1	
PIPE					
8	PIPE - A333-6 PE SMLS T01AC22Z02 S-XS <PIPL020A13/4XS> (L-PIP01)	3/4	I146384	0.2 M	
FITTINGS					
9	NIPPLE - - A333-6 PE MTE SMLS LENGTH 100mm R03AQC22ZW04 S-160 <NTOL020E1110324> (L-9261)	3/4	I2503089	1	
10	CAP ASME B16.11 3000# A350-LF2 Class 1 FTE NREQD - R41FNC072001 NREQD <CATL300KBK3/4> (L-7902)	3/4	I118032	1	
GASKETS					
11	SPIRAL WOUND GASKET ASME B16.20 300# RFTBE 316/GRAP LTCS SS 316 ASME B16.5 G03GFP11AG8 <N/A> (N/A) .	3	I46364707	2	
12	SPIRAL WOUND GASKET ASME B16.20 300# RFTBE 316/GRAP LTCS SS 316 ASME B16.5 G03GFP11AG8 <N/A> (N/A)	3	I46364707	2	
BOLTS					
13	STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A320-L7/A194-7 INCH SIZE I01OB5301 <SB2R55G3/473/4> - 2 NUTS PER BOLT . - 195 mm Length	3/4	I55705101	8	
14	STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A320-L7/A194-7 INCH SIZE I01OB5301 <SB2R55G3/441/4> - 2 NUTS PER BOLT - 110 mm Length	3/4	I55705084	16	
VALVES / IN-LINE ITEMS					
15	DISC CHECK WFR VALVE ASME B16.34 300# A352-LCC RFTBE 316/PEEK 125 - 250 AARH SL VERTICAL&HORIZONTAL CRACKING PRESSURE AT 4.25 PSI ASME B16.5 V40JFC82P12 NREQD <N/A> (N/A).	3	I66040921	1	
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 <G43L-7863> (L-7863)	3	I63584433	1	
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	1	

<b>REMARKS FOR MECHANICAL SUBCONTRACTOR:</b> 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.						
<b>SUPPORTS LEGEND:</b> □ 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° -
						P & ID 19-A-19-000-1-01-00001 sheet 53
00	ISSUED FOR CONSTRUCTION	17-FEB-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

<div>APPROVED FOR CONSTRUCTION</div> <div>Signature for construction is shown on Iso list of relevant CWA</div>	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:	
	1		4274-XH-DL-2121VRG41B13-1		4001008	
<div>TITLE</div> <div>ISOMETRIC DRAWING LINE</div> <div>3"-VRG-41B13-C-42</div>	PIPING CLASS	C-42				
	WELDING CLASS (4)	 <div>LOW LINEAL DENSITY POLYETHYLENE (PEL) AND POLYPROPYLENE (PP) PLANTS FOR PROJECT - ALBA PROJECT</div>			CLIENT / COMPLEX REPSOL POLYMERS/ SINES INDUSTRIAL COMPLEX	
	M					
	PED CATEGORY	II				
	INSULATION CODE / THK. (mm)	ANNEX 19	SPEC. L	DRAWING NUMBER 19-000-2-02-00001 sheet 2121VRG41B13-1	REV. 00	
	N 0					