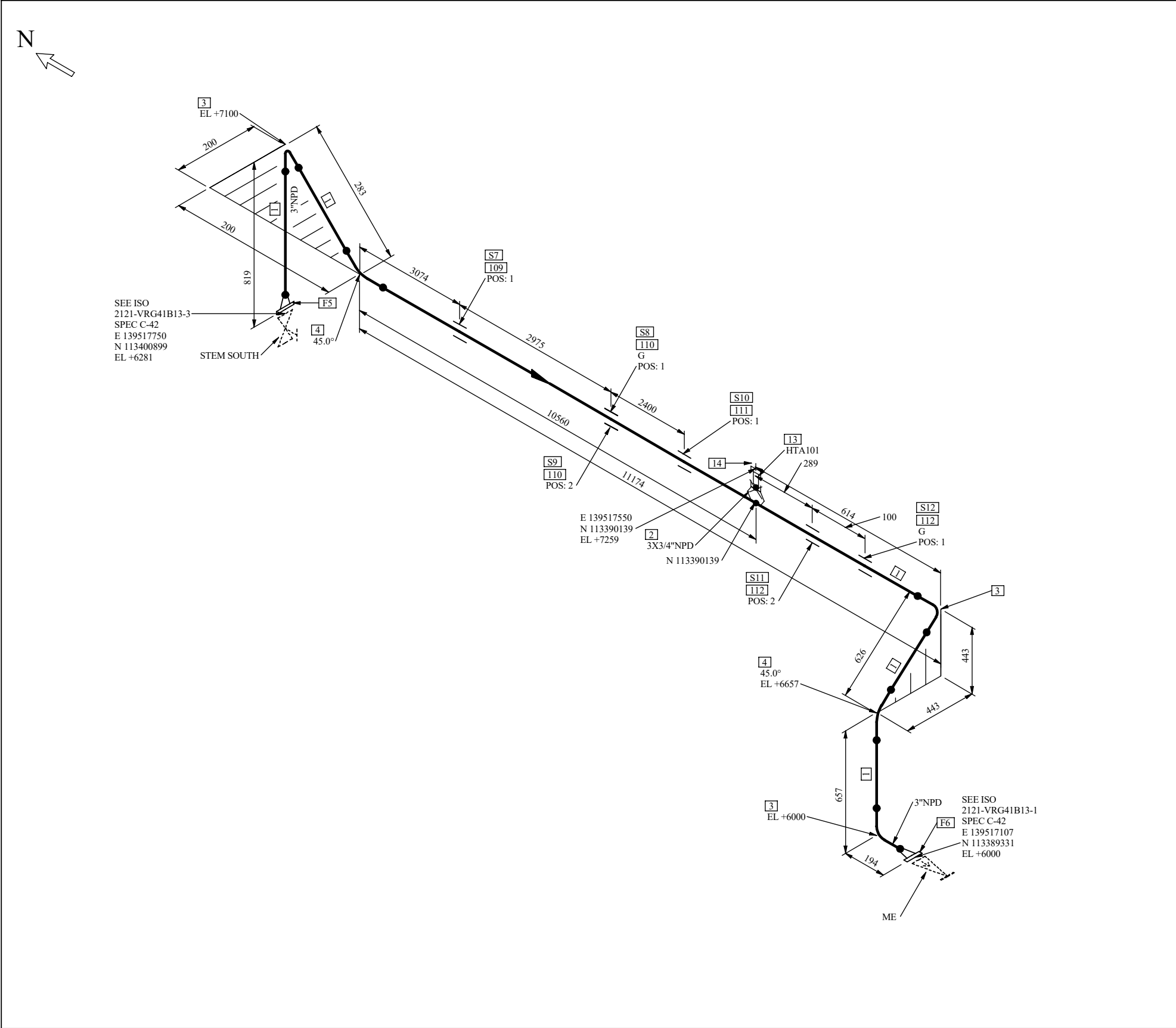







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EXTR. DATE: 11-11-2022 14:40:08 STREAM NO.:5425 STREAM REV. NO. : 6 REV. CAUSE ID:



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	12.8 M	
FITTINGS					
2	REDUCING SOCKOLET MSS-SP-97 3000# A350-LF2 Class 1 BE SWE - R13DNC07V101 NREQD <SOKL300LB0151> (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	3	
4	45 LR ELBOW ASME B16.9 A420-WPL6 BE SMLS C02DC09V01 S-STD <45LL210F33STD> (L-7969)	3	I213660	2	
FLANGES					
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	
6	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					
7	VERT.TRESTLES WELDED TO STR TR31 L100X100X10	3	I09	1	
8	STANDARD GUIDE FOR NOT INS. PIPING-N1G1	3	I10	1	
9	VERTICAL STAKES WELDED TO STR. ST48 HEA100	3	I10	1	
10	VERT.TRESTLES WELDED TO STR TR31 L100X100X10	3	I11	1	
11	VERT.TRESTLES WELDED TO STR TR31 L100X100X10	3	I12	1	
12	STANDARD GUIDE FOR NOT INS. PIPING-N1G1	3	I12	1	
FITTINGS					
13	NIPPLE - - A333-6 PE MTE SMLS LENGTH 100mm R03AQC22ZW04 S-160 <NTOL020E1110324> (L-9261)	3/4	I2503089	1	
14	CAP ASME B16.11 3000# A350-LF2 Class 1 FTE NREQD - R41FNC072001 NREQD <CATL300KBK3/4> (L-7902)	3/4	I118032	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 FEA005 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° -
						P & ID 19-A-19-000-1-01-00001 sheet 53
00	ISSUED FOR CONSTRUCTION	11-NOV-22	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

3"-VRG-41B13-C-42

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 DRAWING NUMBER: 4274-XH-DL-2121VRG41B13-2	PROJECT: 4001008		
I						
PIPING CLASS						
C-42						
WELDING CLASS (4)		 <div>LOW LINEAL DENSITY POLYETHYLENE (PEL) AND POLYPROPYLENE (PP) PLANTS FOR PROJECT - ALBA PROJECT</div> <div>CLIENT / COMPLEX REPSOL POLYMERS/ SINES INDUSTRIAL COMPLEX</div>				
M						
PED CATEGORY						
II						
INSULATION CODE / THK. (mm)		ANNEX 19	SPEC. L	DRAWING NUMBER 19-000-2-02-00001 sheet 2121VRG41B13-2		REV. 00
N 0						