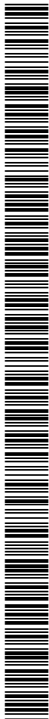


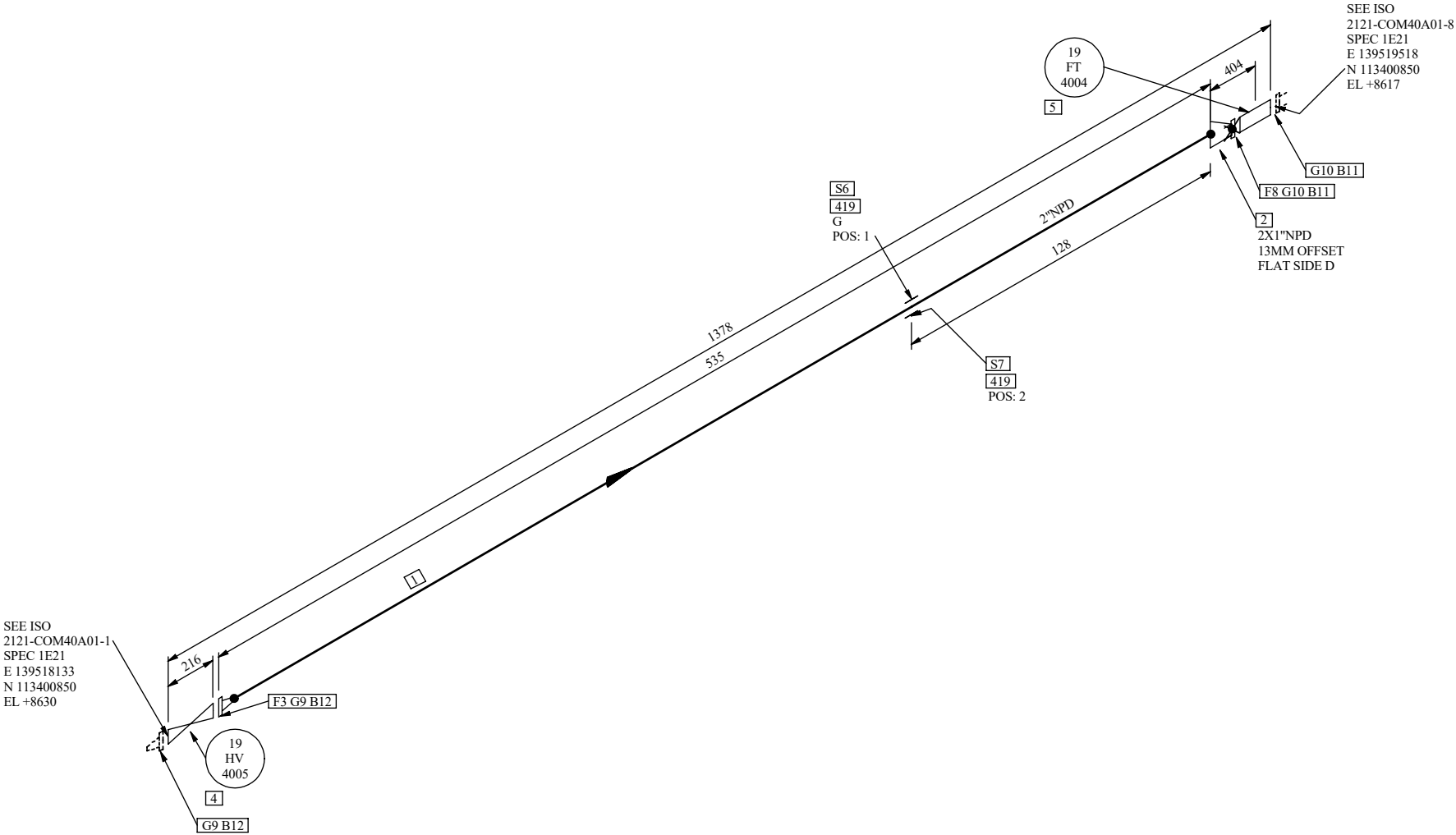
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EXTR. DATE: 03-02-2023 19:30:41

STREAM NO.:4004

REV. CAUSE ID:



BILL OF MATERIAL					
PT NO	COMPONENT DESCRIPTION	N.S. (IN)	ITEM CODE	QTY	HOLD STATUS
PIPE					
1	PIPE - A106-B BE SMLS T01AC03V02 S-STD <PIPA010B12STD> (L-7806).	2	I117862	0.5 M	
FITTINGS					
2	ECCENTRIC SWAGE MSS SP-95 - A234-WPB BE PE SMLS SCH1-STD SCH2-XS R22FQC04VZ15 <ESWA010GR14151216> (L-ESW27).	2X1	1920266	1	
FLANGES					
3	WN FLANGE ASME B16.5 300# A105N RFFE BE 125 - 250 AARH F01CFC44BV05 S-STD <WNFA300R352STD> (L-236).	2	15355797	1	
INSTRUMENTS					
4	INSTRUMENT COMPONENT	2	19-HV-4005	1	
5	INSTRUMENT COMPONENT	1	19-FT-4004	1	
PIPE SUPPORTS					
6	STANDARD GUIDE FOR NOT INS. PIPING-N1G1	2	419	1	
7	STAKES SUPPORTS ST02 L100X100X10	2	419	1	
FLANGES					
8	SW FLANGE ASME B16.5 300# A105N RFFE SWE 125 - 250 AARH F02CFC44B105 S-XS <SWFA300R351XS> (L-375).	1	14217823	1	
GASKETS					
9	SPIRAL WOUND GASKET ASME B16.20 300# RFTBE 304/GRAFOIL CARBON STEEL SS 304 ASME B16.5 G03GFP1IS12 <N/A> (N/A)	2	163508961	2	
10	SPIRAL WOUND GASKET ASME B16.20 300# RFTBE 304/GRAFOIL CARBON STEEL SS 304 ASME B16.5 G03GFP1IS12 <N/A> (N/A)	1	163508951	2	
BOLTS					
11	STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE I01OB0301 <SB2R51G5/831/4> - 2 NUTS PER BOLT - 80 mm Length	5/8	153437418	8	
12	STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE I01OB0301 <SB2R51G5/831/2> - 2 NUTS PER BOLT - 90 mm Length	5/8	153437440	16	

<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> <span>☐</span> DENOTES PARTS LIST NO <span>—</span> PIPE SUPPORT <span>—</span> A=RESTING SUPPORT G=GUIDE F=AXIAL STOP B=ANCHOR M=SPRING S=TEFLON PAD WHERE <span>☐</span> 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 28
00	ISSUED FOR CONSTRUCTION	03-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 3

APPROVED FOR CONSTRUCTION  Signature for construction is shown on Iso list of relevant CWA		PIPE MATERIAL CS	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".		
		HEAT TREATMENT (PWHT) N			
		PAINTING SCHEME (3) 1	CONTRACTOR:	CONTRACTOR DRAWING NUMBER:	PROJECT:
		PIPING CLASS 1E21		4274-XH-DL-2121COM40A01-2	4001008
ISOMETRIC DRAWING LINE  2"-COM-40A01-1E21		WELDING CLASS (4) E	LOW LINEAL DENSITY POLYETHYLENE (PEL) AND POLYPROPYLENE (PP) PLANTS FOR PROJECT - ALBA PROJECT CLIENT / COMPLEX REPSOL POLYMEROS/ SINES INDUSTRIAL COMPLEX		
		PED CATEGORY II			
		INSULATION CODE / THK. (mm) N 0	ANNEX 19	SPEC. L	DRAWING NUMBER 19-000-2-02-00001 sheet 2121COM40A01-2
					REV. 00