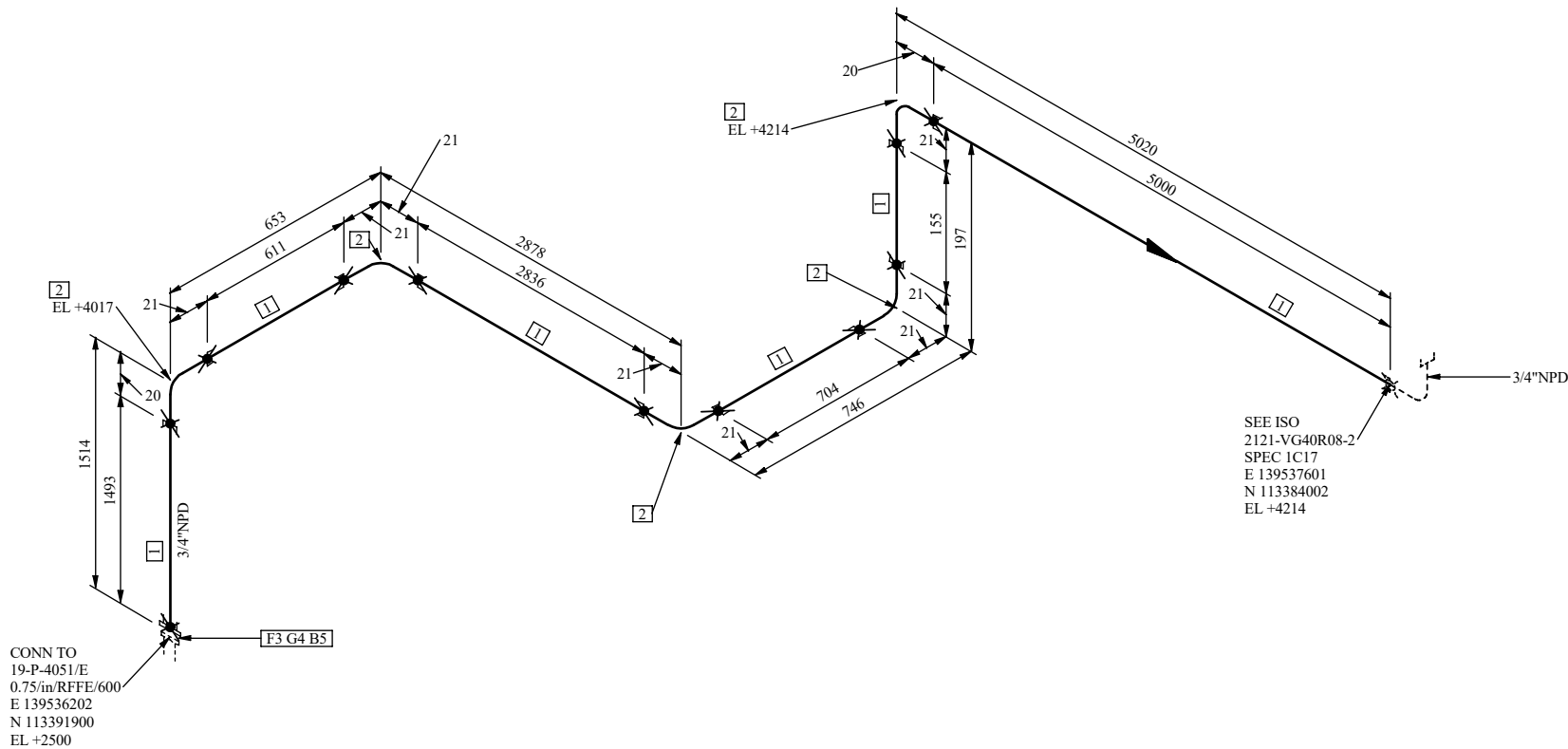




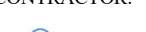


EXTR. DATE: 16-12-2023 15:48:11 STREAM NO.: 3278 STREAM REV. NO.: 10 REV. CAUSE ID: 23



BILL OF MATERIAL					
PT NO	COMPONENT DESCRIPTION	N.S. (IN)	ITEM CODE	QTY	HOLD STATUS
PIPE					
1	PIPE - A106-B PE SMLS T01AC03Z02 S-XS <PIPA010A13/4XS> (L-6679)	3/4	I132785	10.8 M	
FITTINGS					
2	90 ELBOW ASME B16.11 3000# A105N SWE SWE - R31FNC441103 NREQD <90FA300LBK3/4> (L-178)	3/4	I1651298	5	
FLANGES					
3	SW FLANGE ASME B16.5 600# A105N RFFE SWE 125 - 250 AARH F02CHC44B105 S-XS <SWFA3004653/4XS> (L-376)	3/4	19805872	1	
GASKETS					
4	SPIRAL WOUND GASKET ASME B16.20 600# RFTBE 304/GRAFOIL CARBON STEEL SS 304 ASME B16.5 G03GHP11S12 <N/A> (N/A)	3/4	I63509004	1	
BOLTS					
5	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	I53437440	4	

<div>REMARKS FOR MECHANICAL SUBCONTRACTOR:</div> <div>1) LINES 1.1/2" AND SMALLER SHALL BE SUPPORTED IN FIELD IF NOT OTHERWISE INDICATED.</div> <div>2) ALL DIMENSION AND PROPER CONFIGURATION FOR LINES NPS 1.1/2" AND SMALLER SHALL BE CHECKED IN FIELD BEFORE CONSTRUCTION.</div> <div>3) FOR THE COMPONENTS MARKED AS FIELD WELDED WITH THIS SYMBOL , ONE WELD FOR ADJUSTMENT OF IN LINE COMPONENT MUST BE LEFT</div> <div>4) FOR EXTRA PIPE LENGTH REFER TO 4274-LZ-PC-00000603.</div> <div>5) GUSSETING TO BE IMPLEMENTED BY MECHANICAL SUBCONTRACTOR AS PER 45-L-45-000-2-00-80004 / 4274-XH-SG-00000002.</div> <div>6) CROSSING BETWEEN WELDS ON PIPELINE SHALL NOT BE ADMITTED.</div> <div>7) IN CASE OF DISCREPANCIES BETWEEN DATA SHOWN ON ISO AND IN LINE LIST (AS APPLICABLE, DATA SHOWN IN LINE LIST GOVERN.</div> <div>8) ACTUAL CUT LENGTH OF PIPE AND FIELD WELDS SHALL BE DEFINED BY MECHANICAL SUBCONTRACTOR (REF TO 4274-LZ-PC-00000603).</div> <div>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.</div>										<div>ISSUED FOR REFERENCE</div> <div>Signature for construction is shown on Iso list of relevant CWA</div>										<div>PIPE MATERIAL</div> <div>CS</div> <div>HEAT TREATMENT (PWHT)</div> <div>N</div> <div>PAINTING SCHEME (3)</div> <div>1</div> <div>PIPING CLASS</div> <div>1C17</div>										<div>NOTES: 1. FOR TECHNICAL DETAILS SEE LINE LIST.</div> <div>2. FOR VENT, DRAIN OR INSTRUMENT CONNECTION DETAILS SEE 45-L-45-000-2-00-80012.</div> <div>3. WELDING ACCORDING TO 45-L-45-000-2-00-80021.</div> <div>4. PAINTING ACCORDING TO 45-A-45-000-1-00-20160.</div> <div>5. CODE SHOWN IN BOM BETWEEN "<" AND ">" DENOTES REPSOL UNICODE. "<N/A>" MEANS UNICODE IS "NOT AVAILABLE".</div>																																																	
<div>SUPPORTS LEGEND:</div> <div> DENOTES PARTS LIST NO PIPE SUPPORT </div> <div>A=RESTING SUPPORT G=GUIDE F=AXIAL STOP B=ANCHOR M=SPRING S=TEFLON PAD</div> <div>WHERE  WITHOUT NUMBERING IS INDICATED, THIS MEANS THAT THERE IS A REST DIRECTLY ON STEEL STRUCTURE.</div>										<div>TITLE</div> <div>ISOMETRIC DRAWING LINE</div> <div>3/4"-VG-40R08-1C17</div>										<div>WELDING CLASS (4)</div> <div>E</div> <div>PED CATEGORY</div> <div>Art 4.3</div> <div>INSULATION CODE / THK. (mm)</div> <div>N0</div>										<div>CONTRACTOR:</div> <div></div> <div>CONTRACTOR DRAWING NUMBER:</div> <div>4274-XH-DL-2121VG40R08-1</div> <div>PROJECT:</div> <div>4001008</div> <div>LOW LINEAL DENSITY POLYETHYLENE (PEL) AND POLYPROPYLENE (PP) PLANTS</div> <div>CLIENT / COMPLEX REPSOL POLYMEROS/ SINES INDUSTRIAL COMPLEX</div> <div>FOR PROJECT - ALBA PROJECT</div> <div>ANNEX 19</div> <div>SPEC. L</div> <div>DRAWING NUMBER</div> <div>19-000-2-02-00001 sheet 2121VG40R08-1</div> <div>REV. 01</div>																																																	
<table><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>01</td><td>ISSUED FOR REFERENCE</td><td>16-DEC-23</td><td>M.YADAV</td><td>P.VAZE</td><td>G.PAGANONI</td><td></td><td></td><td></td><td></td></tr><tr><td>00</td><td>ISSUED FOR REFERENCE</td><td>05-MAY-2023</td><td>M.YADAV</td><td>P.VAZE</td><td>G.PAGANONI</td><td></td><td></td><td></td><td></td></tr><tr><td>REV.</td><td>DESCRIPTION</td><td>DATE</td><td>DRW. BY</td><td>CHECK BY</td><td>APPR. BY</td><td>APPR. CLIENT</td><td>PIPE LAYOUT N°</td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>19-L-19-000-2-00-86197 sheet 2</td><td></td><td></td></tr></table>																														01	ISSUED FOR REFERENCE	16-DEC-23	M.YADAV	P.VAZE	G.PAGANONI					00	ISSUED FOR REFERENCE	05-MAY-2023	M.YADAV	P.VAZE	G.PAGANONI					REV.	DESCRIPTION	DATE	DRW. BY	CHECK BY	APPR. BY	APPR. CLIENT	PIPE LAYOUT N°										19-L-19-000-2-00-86197 sheet 2												
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