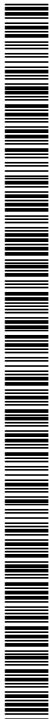


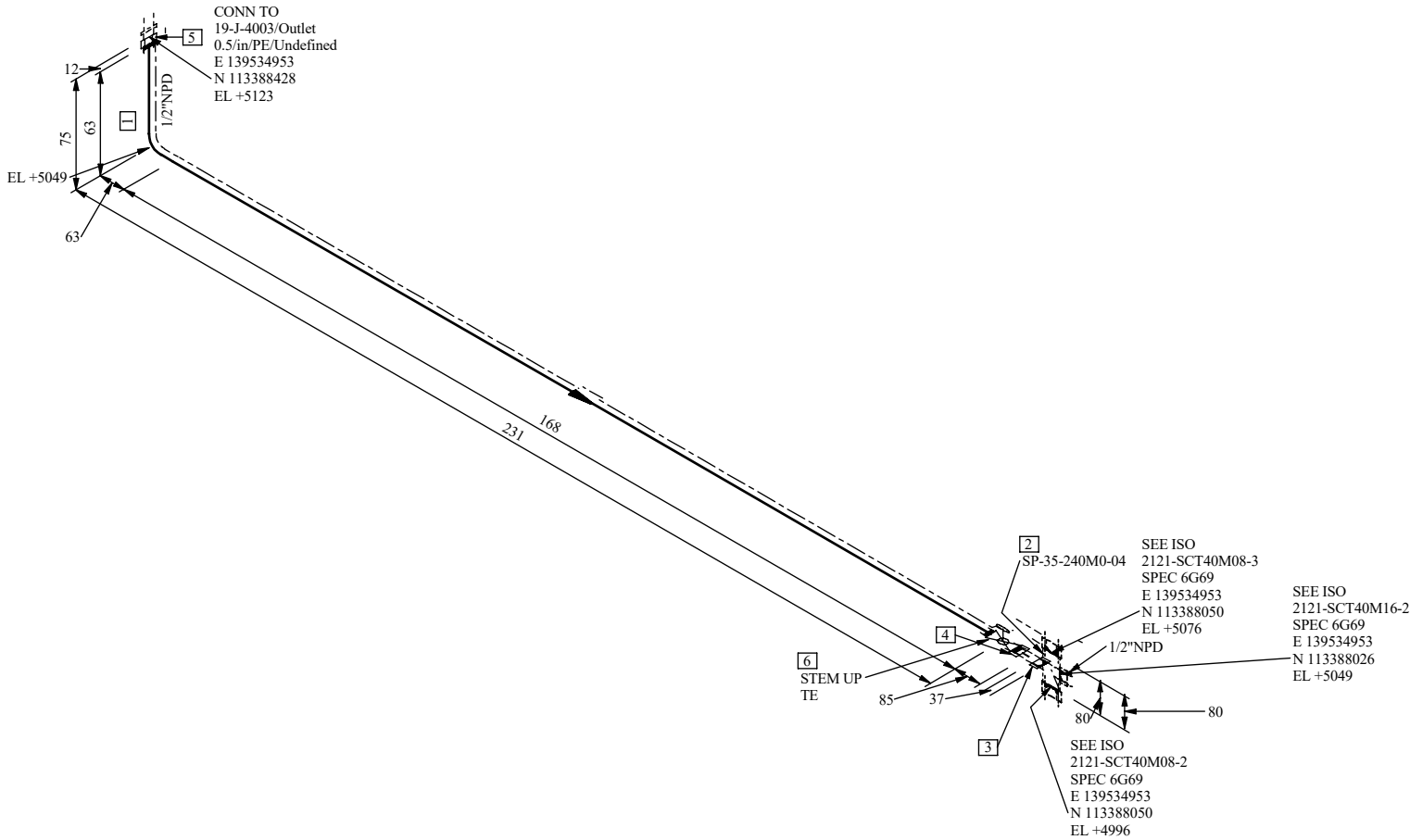
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EXTR. DATE: 05-10-2023 15:39:20

STREAM NO.:4527

REV. CAUSE ID:



BILL OF MATERIAL					
PT NO	COMPONENT DESCRIPTION	N.S. (IN)	ITEM CODE	QTY	HOLD STATUS
PIPE					
1	TUBE - A269-TP316/316L-DUAL GRADE PE SMLS T02ALK7Z01 0.065" tubing <N/A> (N/A)	1/2	I7062245	0.3 M	
FITTINGS					
2	SPECIALTY COMPONENT	1/2	SP-35-240M0-04	1	
3	COMPR MALE CONNECT MFTR - A182-F316/316L DUAL GR FFRE MTE - R60AQL1M7W10 NREQD <N/A> (N/A)	1/2	I45425129	1	
4	COMPR MALE CONNECT MFTR - A182-F316/316L DUAL GR PE PE PORT CONNECTOR (SS-811-PC) OR EQUIVALENT R60AQL1MZZ26 NREQD <N/A> (N/A)	1/2	I67355609	1	
5	COMPRESSION UNION MFTR - A182-F316/316L DUAL GR FFRE FFRE - R61AQL1M7708 NREQD <N/A> (N/A)	1/2	I7062328	1	
VALVES / IN-LINE ITEMS					
6	COMPR BALL VALVE MFTR 6000# A182-F316/316L DUAL GR FFRE FFRE 316-CARBON/GLASS REINFORCED PTFE TRUNNION-MOUNTED OHW V70AOL1M7739 NREQD <N/A> (N/A)	1/2	I65625050	1	

<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 FEB19.</div>							<div>ISSUED FOR REFERENCE</div>		PIPE MATERIAL		NOTES: 1. FOR TECHNICAL DETAILS SEE LINE LIST.																																																																					
							316, dual grade		2. FOR VENT, DRAIN OR INSTRUMENT CONNECTION DETAILS SEE 45-L-45-000-2-00-80102.																																																																							
							HEAT TREATMENT (PWHIT)		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".																																																																							
							PAINTING SCHEME (3)		CONTRACTOR:		CONTRACTOR DRAWING NUMBER:		PROJECT:																																																																			
							NR				4274-XH-DL-2121SCT40M08-4		4001008																																																																			
							PIPING CLASS																																																																									
							6G69																																																																									
<div>SUPPORTS LEGEND:</div> <div>□ DENOTES PARTS LIST NO</div> <div>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>							Signature for construction is shown on Iso list of relevant CWA		TITLE		WELDING CLASS (4)		LOW LINEAL DENSITY POLYETHYLENE (PEL) AND POLYPROPYLENE (PP) PLANTS		CLIENT / COMPLEX																																																																	
<table><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>STRESS CALC. N°</td></tr><tr><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>P & ID</td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>19-A-19-000-1-01-00001 sheet 43</td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>LINE LIST N°</td></tr><tr><td>00</td><td>ISSUED FOR REFERENCE</td><td>06-OCT-23</td><td>M.YADAV</td><td>P.VAZE</td><td>G.PAGANONI</td><td></td><td>19-L-19-000-2-00-80602</td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>PIPE LAYOUT N°</td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>19-L-19-000-2-00-86196 sheet 2</td></tr></table>														STRESS CALC. N°								-								P & ID								19-A-19-000-1-01-00001 sheet 43								LINE LIST N°	00	ISSUED FOR REFERENCE	06-OCT-23	M.YADAV	P.VAZE	G.PAGANONI		19-L-19-000-2-00-80602								PIPE LAYOUT N°								19-L-19-000-2-00-86196 sheet 2	ISOMETRIC DRAWING LINE		-				FOR PROJECT - ALBA PROJECT		REPSOL POLYMEROS/ SINES INDUSTRIAL COMPLEX	
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