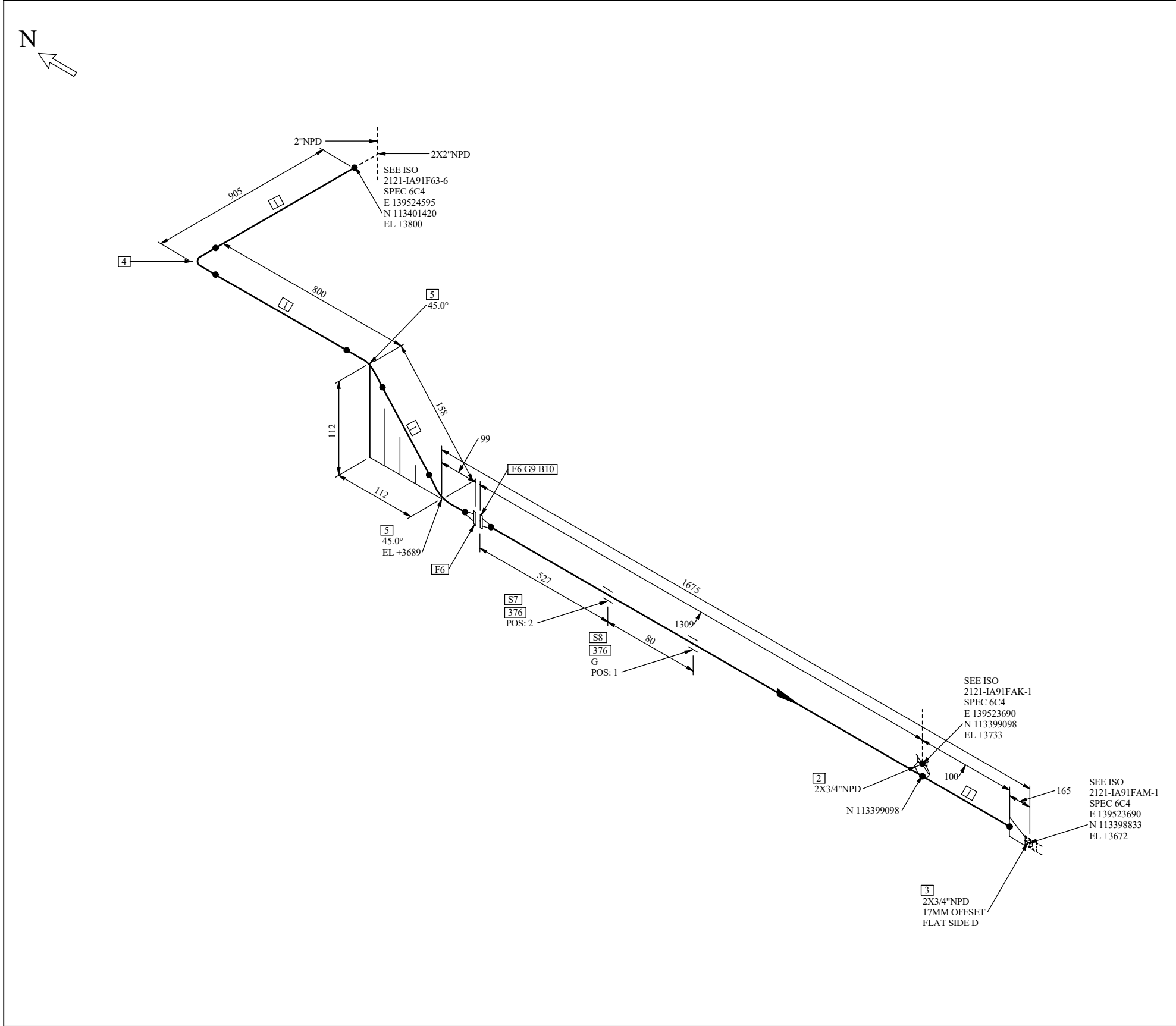














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EXTR. DATE: 21-10-2023 10:12:30 STREAM NO.: 3250 STREAM REV. NO. : 10 REV. CAUSE ID:



BILL OF MATERIAL					
PT NO	COMPONENT DESCRIPTION	N.S. (IN)	ITEM CODE	QTY	HOLD STATUS
PIPE					
1	PIPE - A312-TP304/304L DUAL GR BE SMLS T01AL2CV02 S-10S <PIPB04DB2210S> (L-PIP113)	2	13364302	3.0 M	
FITTINGS					
2	REDUCING SOCKOLET MSS-SP-97 3000# A182-F304/304L DUAL GR BE SWE - R13DNL2AV101 NREQD <SOKB450LB01411> (L-SOK04)	2X3/4	12258338	1	
3	ECCENTRIC SWAGE MSS SP-95 - A403-WP304/304L DG BE PE SMLS SCH1-10S SCH2-40S R22FQL2FVZ10 <ESWB04DGR14071101> (L-ESW20)	2X3/4	12495783	1	
4	90 LR ELBOW ASME B16.9 A403-WP304/304L DG BE SMLS C01DL2FV01 S-10S <90LB23DF3210S> (L-8052)	2	12259133	1	
5	45 LR ELBOW ASME B16.9 A403-WP304/304L DG BE SMLS C02DL2FV01 S-10S <45LB23DF3210S> (L-45L28)	2	12259145	2	
FLANGES					
6	WN FLANGE ASME B16.5 150# A182-F304/304L DUAL GR RF BE 125 - 250 AARH F01CDL2ABV05 S-10S <WNFB450R15210S> (L-WNF55)	2	12260686	2	
PIPE SUPPORTS					
7	VERTICAL STAKES WELDED TO STR. ST42 L80X80X10	2	376	1	
8	SUPPORT HOR.NOT INS.PIP.N4G1	2	376	1	
GASKETS					
9	SPIRAL WOUND GASKET ASME B16.20 150# RFTBE 304/GRAFOIL SS 304 SS 304 ASME B16.5 G03GDP1IS04 <N/A> (N/A)	2	11654490	1	
BOLTS					
10	STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B8M CL2/A194-8MA INCH SIZE I01OB1601 <SB2R58G5/831/2> - 2 NUTS PER BOLT - 85 mm Length	5/8	153458376	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>APPROVED FOR CONSTRUCTION</div> <div>Signature for construction is shown on Iso list of relevant CWA</div>		<div>PIPE MATERIAL</div> <div>304, dual grade</div> <div>HEAT TREATMENT (P/WHIT)</div> <div>N</div>		<div>NOTES:</div> <div>1. FOR TECHNICAL DETAILS SEE LINE LIST.</div> <div>2. FOR VENT, DRAIN OR INSTRUMENT CONNECTION DETAILS SEE 45-L-45-000-2-00-800102.</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 "<" & ">" DENOTES REPSOL UNICODE. "<N/A>" MEANS UNICODE IS "NOT AVAILABLE".</div>							
<div>SUPPORTS LEGEND:</div> <div> DENOTES PARTS LIST NO</div> <div> PIPE SUPPORT</div> <div> A=RESTING SUPPORT</div> <div> G=GUIDE</div> <div> F=AXIAL STOP</div> <div> B=ANCHOR</div> <div> M=SPRING</div> <div> S=TEFLON PAD</div> <div>WHERE  WITHOUT NUMBERING IS INDICATED, THIS MEANS THAT THERE IS A REST DIRECTLY ON STEEL STRUCTURE.</div>										<div>ISOMETRIC DRAWING LINE</div> <div>2"-IA-91F63-6C4</div>		<div>PAINTING SCHEME (3)</div> <div>NR</div>		<div>CONTRACTOR:</div> <div></div>		<div>CONTRACTOR DRAWING NUMBER:</div> <div>4274-XH-DL-2121IA91F63-7</div>		<div>PROJECT:</div> <div>4001008</div>			
<div>PIPING CLASS</div> <div>6C4</div>												<div>WELDING CLASS (4)</div> <div>M</div>		<div>LOW LINEAL DENSITY POLYETHYLENE (PEL) AND POLYPROPYLENE (PP) PLANTS FOR PROJECT - ALBA PROJECT</div> <div></div> <div>CLIENT / COMPLEX REPSOL POLYMEROS/ SINES INDUSTRIAL COMPLEX</div>							
<div>STRESS CALC. N°</div> <div>-</div> <div>P & ID</div> <div>19-A-19-000-1-01-00001 sheet 106</div> <div>LINE LIST N°</div> <div>19-L-19-000-2-00-80602</div> <div>PIPE LAYOUT N°</div> <div>19-L-19-000-2-00-86197 sheet 1</div>												<div>PED CATEGORY</div> <div>Art 4.3</div>		<div>ANNEX</div> <div>19</div>		<div>SPEC.</div> <div>L</div>		<div>DRAWING NUMBER</div> <div>19-000-2-02-00001 sheet 2121IA91F63-7</div>		<div>REV.</div> <div>00</div>	
<div>ISSUED FOR CONSTRUCTION</div> <div>20-OCT-23</div> <div>M.YADAV</div> <div>P.VAZE</div> <div>G.PAGANONI</div>												<div>INSULATION CODE / THK. (mm)</div> <div>N 0</div>									
<div>REV.</div> <div>DESCRIPTION</div> <div>DATE</div> <div>DRW. BY</div> <div>CHECK BY</div> <div>APPR. BY</div> <div>APPR. CLIENT</div>																					