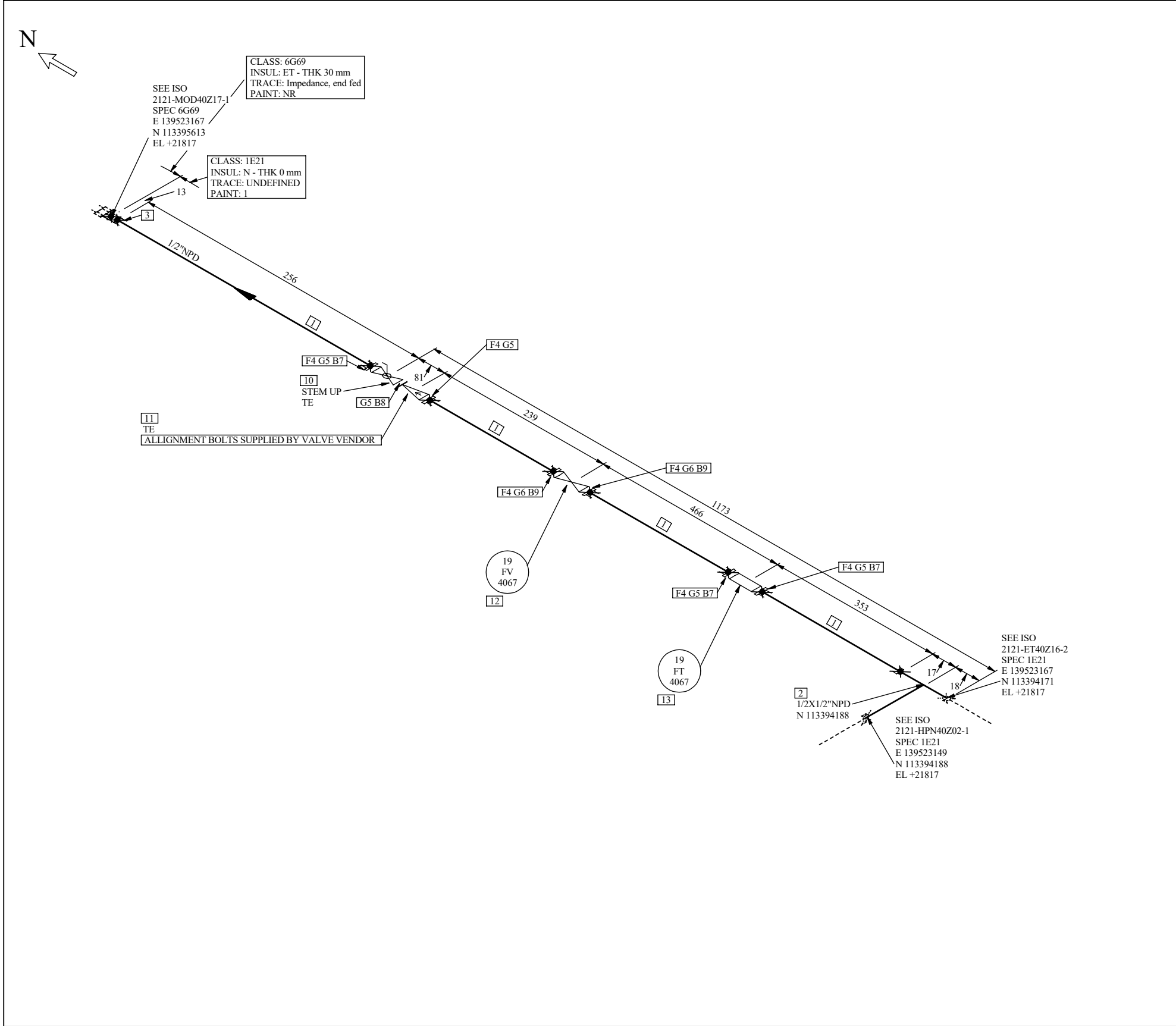




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EXTR. DATE: 23-06-2023 14:12:16 STREAM NO.:4005 REV. CAUSE ID:



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 <PIPA010A11/2XS> (L-6679)	1/2	I132777	0.6 M	
FITTINGS					
2	TEE ASME B16.11 3000# A105N SWE SWE - R11FNC441101 NREQD <TESA300LBK1/2> (L-179)	1/2X1/2	I1651299	1	
3	COUPLING ASME B16.11 3000# A105N SWE SWE - R01FNC441101 NREQD <FCPA300LBK1/2> (L-180)	1/2	I1651675	1	
FLANGES					
4	SW FLANGE ASME B16.5 300# A105N RFFE SWE 125 - 250 AARH F02CFC44B105 S-XS <SWFA300R351/2XS> (L-375)	1/2	I9762189	6	
GASKETS					
5	SPIRAL WOUND GASKET ASME B16.20 300# RFTBE 304/GRAFOIL CARBON STEEL SS 304 ASME B16.5 G03GFP1IS12 <N/A> (N/A)	1/2	I63508949	5	
6	SPIRAL WOUND GASKET ASME B16.20 300# RFTBE 304/GRAFOIL CARBON STEEL SS 304 ASME B16.5 G03GFP1IS12 <N/A> (N/A) .	1/2	I63508949	2	
BOLTS					
7	STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE I01OB0301 <SB2R51G1/221/2> - 2 NUTS PER BOLT - 65 mm Length	1/2	I53437190	12	
8	STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE I01OB0301 <SB2R51G1/231/2> - 2 NUTS PER BOLT - 85 mm Length	1/2	I53437234	4	
9	STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE I01OB0301 <SB2R51G1/221/2> - 2 NUTS PER BOLT . - 65 mm Length	1/2	I53437190	8	
VALVES / IN-LINE ITEMS					
10	BALL V-FLT-SS-FB API 608 300# A216-WCB RFFE 316/R-PTFE, GF B7/2H 125 - 250 AARH 2PSB-FULL BORE FLOATING BALL OHW TIGHT SHUT-OFF (TSO) ASME B16.5 V11JFC29BZZH NREQD <N/A> (N/A)	1/2	I64812610	1	
11	DISC CHECK WFR VALVE ASME B16.34 300# A216-WCB RFTBE 316/R-PTFE, GF 125 - 250 AARH SL VERTICAL&HORIZONTAL CRACK. PRESS. 1/2 PSI ASME B16.5 V40JFC29P01 NREQD <N/A> (N/A)	1/2	I10208503	1	
INSTRUMENTS					
12	INSTRUMENT COMPONENT	1/2	I9-FV-4067	1	
13	INSTRUMENT COMPONENT	1/2	I9-FT-4067	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 FE019.</div>								<div>ISSUED FOR REFERENCE</div>		PIPE MATERIAL		NOTES: 1. FOR TECHNICAL DETAILS SEE LINE LIST.							
								CS		2. FOR VENT, DRAIN OR INSTRUMENT CONNECTION DETAILS SEE 45-L-45-000-2-00-80102.									
								HEAT TREATMENT (PWHT)		3. WELDING ACCORDING TO 45-L-45-000-2-00-80021.									
								N		4. PAINTING ACCORDING TO 45-A-45-000-1-00-20160.									
								PAINTING SCHEME (3)		CONTRACTOR:		CONTRACTOR DRAWING NUMBER:		PROJECT:					
								1		<div>Tecnimont</div>		4274-XH-DL-2121ET40Z16-1		4001008					
								PIPING CLASS											
								1E21											
<div><div>SUPPORTS LEGEND:</div><div><div><div><div></div></div>DENOTES PARTS LIST NO</div><div><div>PIPE SUPPORT</div><div><div><div></div><div></div></div></div></div><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><div>WHERE <div><div></div></div> WITHOUT NUMBERING IS INDICATED, THIS MEANS THAT THERE IS A REST DIRECTLY ON STEEL STRUCTURE.</div></div></div>								TITLE		WELDING CLASS (4)		LOW LINEAL DENSITY POLYETHYLENE (PEL) AND POLYPROPYLENE (PP) PLANTS							
								ISOMETRIC DRAWING LINE		E		<div><div>REPSOL</div>CLIENT / COMPLEX</div>							
								1/2"-ET-40Z16-1E21		PED CATEGORY		FOR PROJECT - ALBA PROJECT							
										Art 4.3		REPSOL POLYMEROS/ SINES INDUSTRIAL COMPLEX							
										INSULATION CODE / THK. (mm)		ANNEX		SPEC.		DRAWING NUMBER		REV.	
										N 0		19		L		19-000-2-02-00001 sheet 2121ET40Z16-1		00	
00								ISSUED FOR REFERENCE		23-JUN-2023		M.YADAV		P.VAZE		G.PAGANONI			
REV.								DESCRIPTION		DATE		DRW. BY		CHECK BY		APPR. BY		APPR. CLIENT	