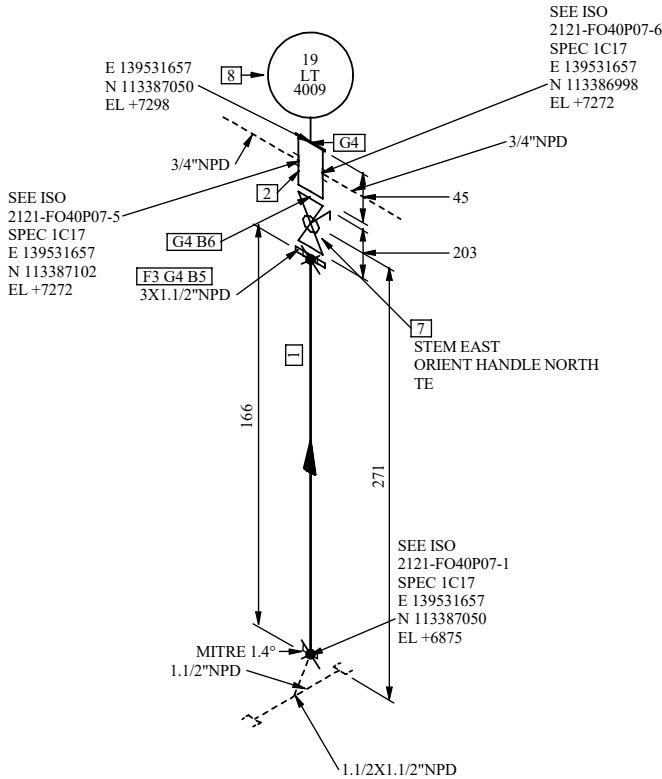




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EXTR. DATE: 08-05-2023 09:40:55      STREAM NO.:4300      STREAM REV. NO. : 9      REV. CAUSE ID:



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 <PIPA010A111/2XS> (L-6679).	1.1/2	I132809	0.2 M	
FITTINGS					
2	DRIP RING YH-ST-D08 150# A516-70 NORM. FFTBE 125 - 250 AARH SUPPL. REQ. S5 ASME B16.5 D0108DC65O02 NREQD <N/A> (N/A).	3	I5518424	1	
FLANGES					
3	SW REDUCING FLANGE ASME B16.5 150# A105N RFFE SWE 125 - 250 AARH F11CDC44B105 S-XS <N/A> (L-RKF01 ).	3X1.1/2	I818967	1	
GASKETS					
4	SPIRAL WOUND GASKET ASME B16.20 150# RFTBE 304/GRAFOIL CARBON STEEL SS 304 ASME B16.5 G03GDP11S12 <N/A> (N/A)	3	I63508913	3	
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	
6	STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE I01OB0301 <SB2R51G5/851/2> - 2 NUTS PER BOLT - 140 mm Length	5/8	I60604792	4	
VALVES / IN-LINE ITEMS					
7	BALL VALVE API 608 150# A216-WCB RFFE 316/R-PTFE, GF B7/2H 125 - 250 AARH 2PSB-FULL BORE FLOATING BALL LE ASME B16.5 V04JDC29BTR NREQD <B43L-BA1434> (L-BA1434).	3	I8683141	1	
INSTRUMENTS					
8	INSTRUMENT COMPONENT	3	I9-LT-4009	1	

<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> □ DENOTES PARTS LIST NO    PIPE SUPPORT    ——— A=RESTING SUPPORT    G=GUIDE    F= AXIAL STOP    B=ANCHOR    M=SPRING    S=TEFLON PAD    WHERE □ 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 45
00	ISSUED FOR CONSTRUCTION	05-MAY-23	U.CHAVAN	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-19-000-2-00-86196 sheet 2

APPROVED FOR CONSTRUCTION	PIPE MATERIAL		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".				
	CS						
	HEAT TREATMENT (PWHT) N						
	PAINTING SCHEME (3) 1						
Signature for construction is shown on Iso list of relevant CWA	PIPING CLASS 1C17		CONTRACTOR: 	CONTRACTOR DRAWING NUMBER: 4274-XH-DL-2121FO40P07-4		PROJECT: 4001008	
TITLE ISOMETRIC DRAWING LINE  3"-FO-40P07-1C17	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 Art 4.3						
	INSULATION CODE / THK. (mm) N 0		ANNEX 19	SPEC. L	DRAWING NUMBER 19-000-2-02-00001 sheet 2121FO40P07-4		REV. 00