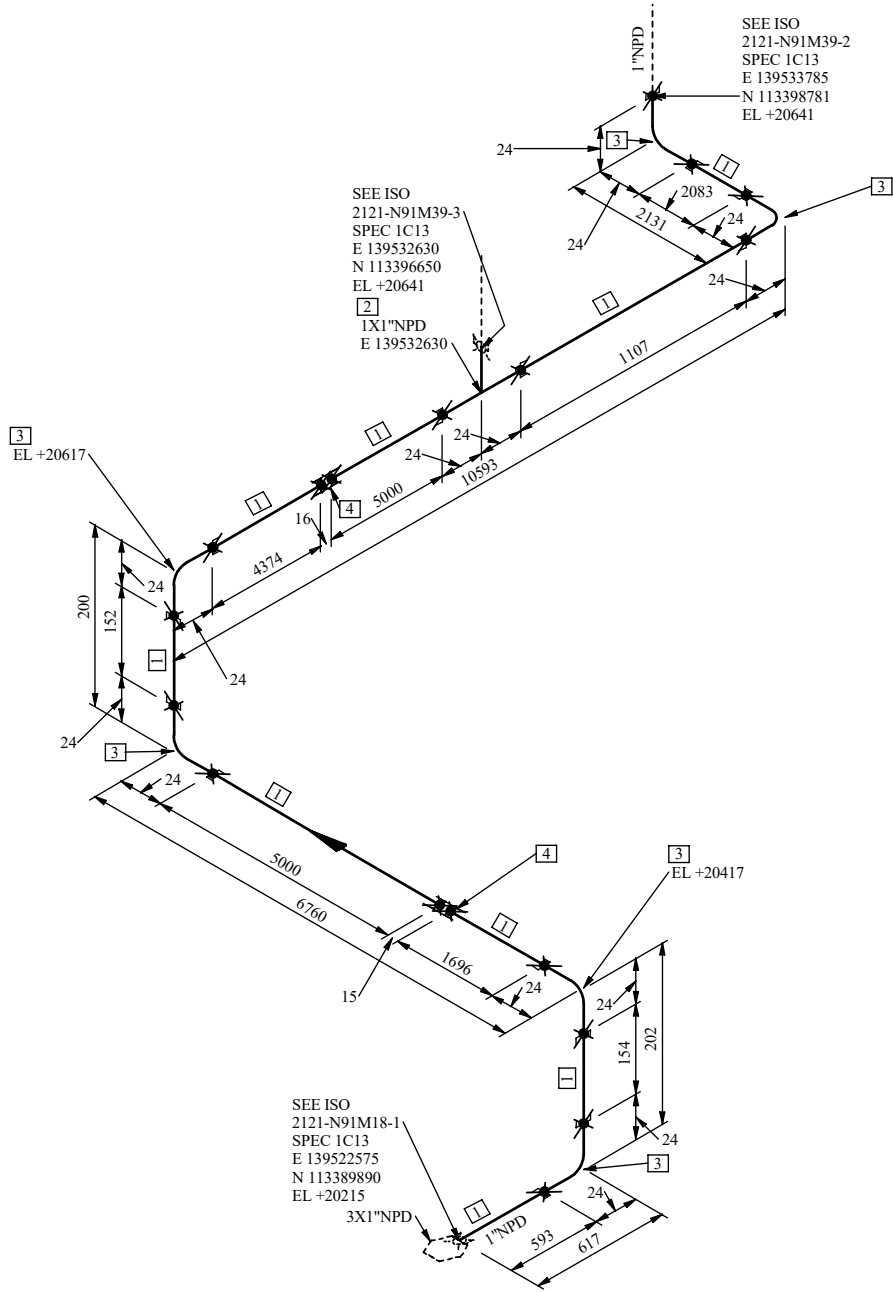
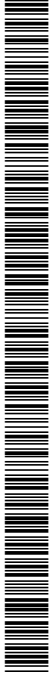




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EXTR. DATE: 21-06-2023 13:25:36 STREAM NO.: 3200 STREAM REV. NO. : 9 REV. CAUSE ID:



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 <PIPA010A11XS> (L-6679)	1	I132793	20.2 M	
FITTINGS					
2	TEE ASME B16.11 3000# A105N SWE SWE - R11FNC441101 NREQD <TESA300LBK1> (L-179)	1X1	I1651301	1	
3	90 ELBOW ASME B16.11 3000# A105N SWE SWE - R31FNC441103 NREQD <90FA300LBK1> (L-178)	1	I1651296	6	
4	COUPLING ASME B16.11 3000# A105N SWE SWE - R01FNC441101 NREQD <FCPA300LBK1> (L-180)	1	I1651677	2	
REMARKS FOR MECHANICAL SUBCONTRACTOR:					
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.					
SUPPORTS LEGEND: □ 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 110					
LINE LIST N°					
19-L-19-000-2-00-80602					
PIPE LAYOUT N°					
19-L-19-000-2-00-86197 sheet 6					
ISSUED FOR REFERENCE					
23-JUN-23					
U.CHAVAN					
P.VAZE					
G.PAGANONI					
REV.					
DESCRIPTION					
DATE					
DRW. BY					
CHECK BY					
APPR. BY					
APPR. CLIENT					
TITLE					
ISOMETRIC DRAWING LINE					
1"-N-91M39-1C13					
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)		5. CODE SHOWN IN BOM BETWEEN "<" & ">" DENOTES REPSOL UNICODE. "~N/A~" MEANS UNICODE IS "NOT AVAILABLE".			
1		CONTRACTOR:	CONTRACTOR DRAWING NUMBER:	PROJECT:	
PIPING CLASS			4274-XH-DL-2121N91M39-1	4001008	
IC13					
WELDING CLASS (4)		LOW LINEAL DENSITY POLYETHYLENE (PEL) AND POLYPROPYLENE (PP) PLANTS FOR PROJECT - ALBA PROJECT			
E					
PED CATEGORY				CLIENT / COMPLEX	
Art 4.3				REPSOL POLYMEROS/ SINES INDUSTRIAL COMPLEX	
INSULATION CODE / THK. (mm)		ANNEX 19	SPEC. L	DRAWING NUMBER	
N 0				19-000-2-02-00001 sheet 2121N91M39-1	
				REV. 00	