

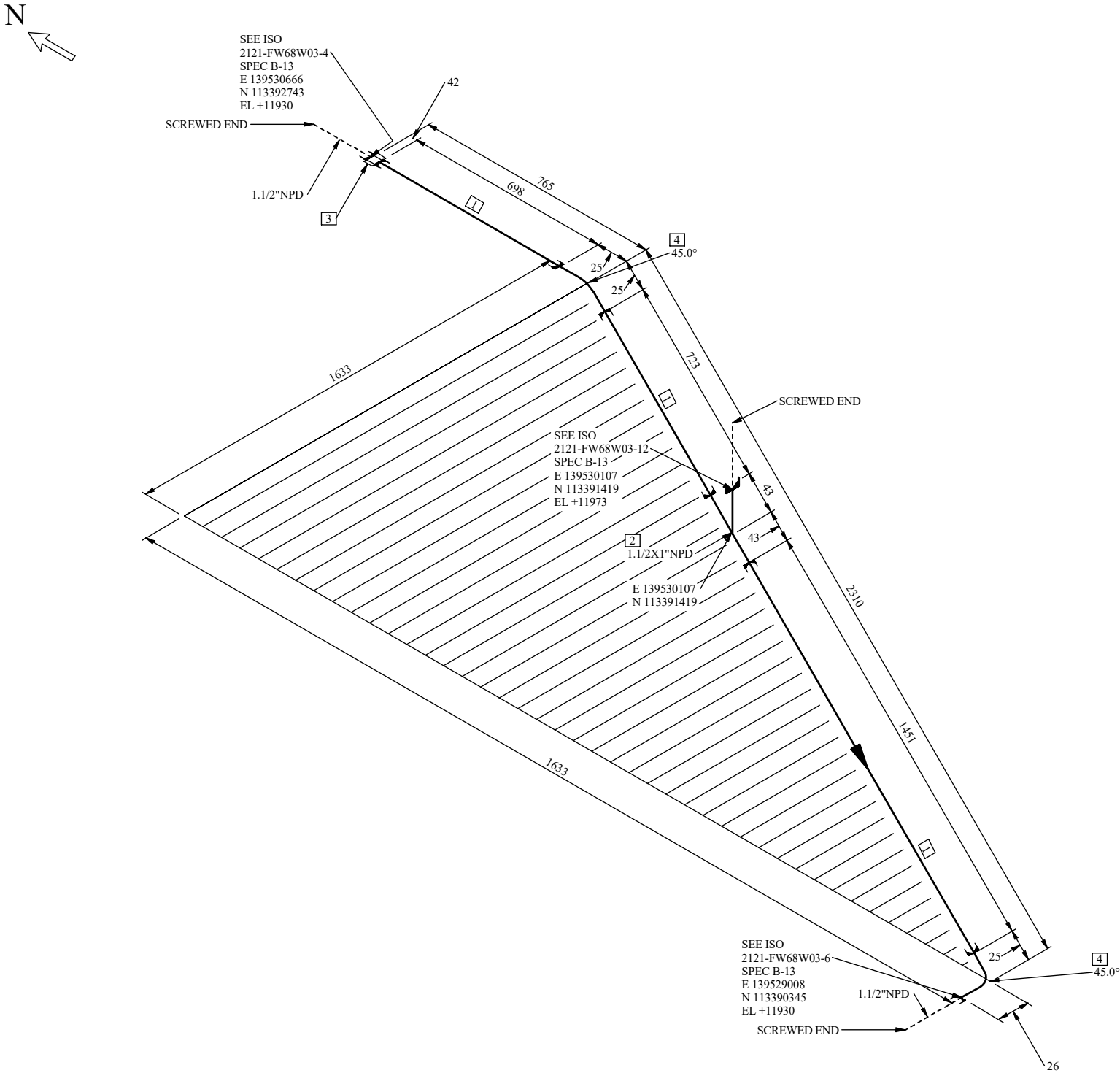
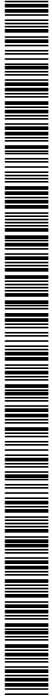
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EXTR. DATE: 18-04-2023 10:34:08











STREAM NO.: 74


REV. CAUSE ID:

STREAM REV. NO. : 7



BILL OF MATERIAL					
PT NO	COMPONENT DESCRIPTION	N.S. (IN)	ITEM CODE	QTY	HOLD STATUS
PIPE					
1	PIPE - A53-B GALV MTE SMLS T01AC11W02 S-XS <PIPG010C111/2XS> (N/A).	1.1/2	I145610	2.9 M	
FITTINGS					
2	REDUCING TEE ASME B16.11 3000# A105 GALV FTE FTE - R12FNC022201 NREQD <RTEG300KBK11/21> (L-RTE01).	1.1/2X1	I214977	1	
3	UNION ASME B16.11 3000# A105 GALV FTE FTE - R43FNC022201 NREQD <N/A> (N/A)	1.1/2	I45867362	1	
4	45 ELBOW ASME B16.11 3000# A105 GALV FTE FTE - R32FNC022201 NREQD <45TG300KBK11/2> (L-8908).	1.1/2	I214934	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 WHERE  WITHOUT NUMBERING IS INDICATED, THIS MEANS THAT THERE IS A REST DIRECTLY ON STEEL STRUCTURE.		
		 G=GUIDE		 F=AXIAL STOP		
		 B=ANCHOR		 M=SPRING		
		 S=TEFLON PAD				
						STRESS CALC. N°
						-
						P & ID
						19-A-19-000-1-01-00001 sheet 124
						LINE LIST N°
						19-L-19-000-2-00-80602
						PIPE LAYOUT N°
						19-L-19-000-2-00-86197 sheet 3
00	ISSUED FOR REFERENCE	21-APR-23	U.CHAVAN	P.VAZE	G.PAGANONI	
REV.	DESCRIPTION	DATE	DRW. BY	CHECK BY	APPR. BY	APPR. CLIENT

ISSUED FOR REFERENCE		Signature for construction is shown on Iso list of relevant CWA		ISOMETRIC DRAWING LINE		1-1/2"-FW-68W03-B-13	
PIPE MATERIAL		CS, Galvanized		HEAT TREATMENT (PWHT)		-	
PAINTING SCHEME (3)		4		PIPING CLASS		B-13	
WELDING CLASS (4)		-		PED CATEGORY		Art 4.3	
INSULATION CODE / THK. (mm)		N 0		ANNEX 19		SPEC. L	
CONTRACTOR:		CONTRACTOR DRAWING NUMBER:		PROJECT:			
		4274-XH-DL-2121FW68W03-5		4001008			
LOW LINEAL DENSITY POLYETHYLENE (PEL) AND POLYPROPYLENE (PP) PLANTS FOR PROJECT - ALBA PROJECT		CLIENT / COMPLEX		REPSOL POLYMERS/ SINES INDUSTRIAL COMPLEX			
DRAWING NUMBER		19-000-2-02-00001 sheet 2121FW68W03-5		REV.		00	