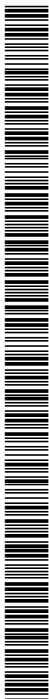


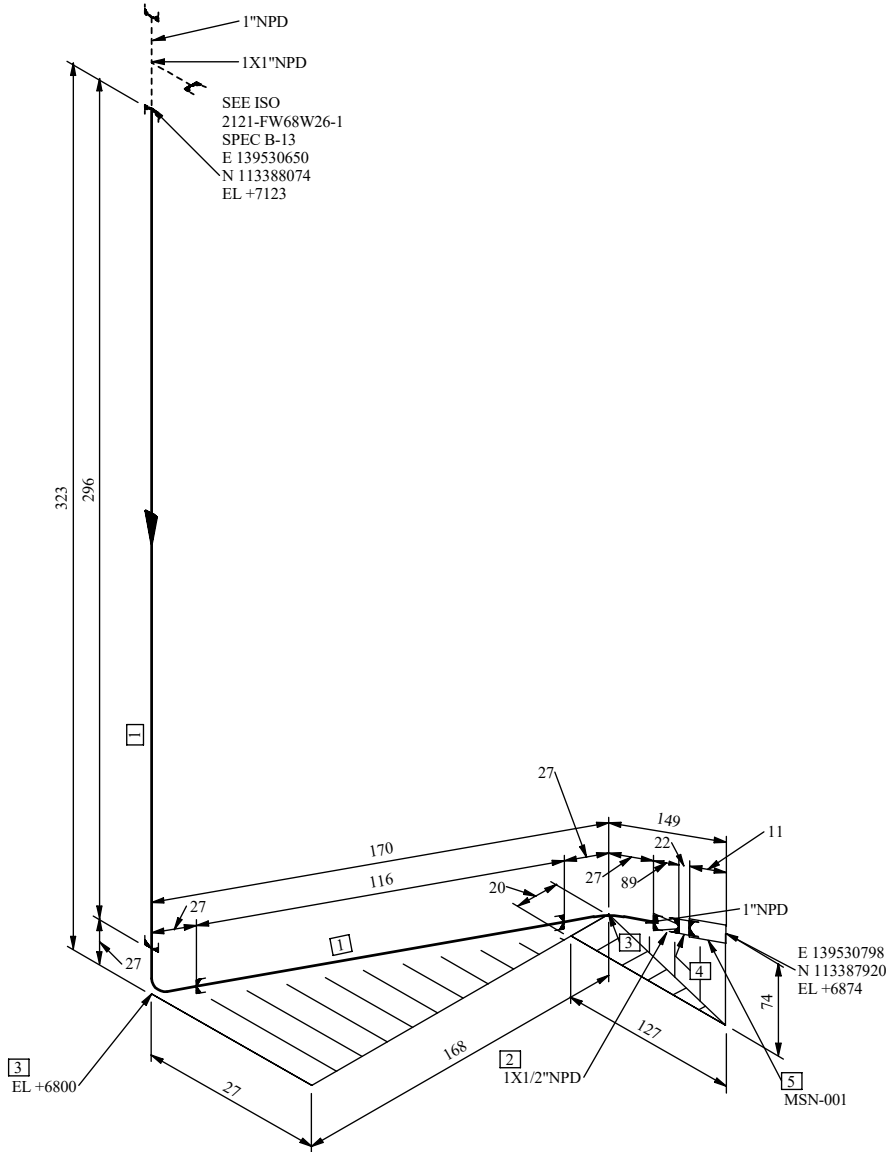
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

EXTR. DATE: 19-04-2023 13:13:00



STREAM NO.: 74

REV. CAUSE ID: 7



BILL OF MATERIAL				
PT NO	COMPONENT DESCRIPTION	N.S. (IN)	ITEM CODE	HOLD STATUS
PIPE				
1	PIPE - A53-B GALV MTE SMLS T01AC11W02 S-XS <PIPG010C11XS> (N/A)	1	I145594	0.5 M
FITTINGS				
2	CONCENTRIC SWAGE MSS SP-95 - A105 GALV MTE MTE SMLS SCH1-XS SCH2-XS R21FQC02WW01 <CSWG010DR12161016> (L-CSW28)	1X1/2	I4198150	1
3	90 ELBOW ASME B16.11 3000# A105 GALV FTE FTE - R31FNC022203 NREQD <90TG300KBK1> (L-8907)	1	I214920	2
4	COUPLING ASME B16.11 3000# A105 GALV FTE FTE - R01FNC022201 NREQD <FCPG300KBK1/2> (L-8910)	1/2	I214895	1
5	SPECIALTY COMPONENT	1/2	MSN-001	1

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 124
00	ISSUED FOR REFERENCE	21-APR-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 19-L-19-000-2-00-86196 sheet 2

ISSUED FOR REFERENCE	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, Galvanized						
	HEAT TREATMENT (PWHIT)						
	-						
Signature for construction is shown on Iso list of relevant CWA	PAINTING SCHEME (3)			CONTRACTOR:	CONTRACTOR DRAWING NUMBER:	PROJECT:	
	4						
	PIPING CLASS						
	B-13				4274-XH-DL-2121FW68W26-7	4001008	
TITLE	WELDING CLASS (4)		 <div>LOW LINEAL DENSITY POLYETHYLENE (PEL) AND POLYPROPYLENE (PP) PLANTS FOR PROJECT - ALBA PROJECT</div> <div>CLIENT / COMPLEX REPSOL POLYMEROS/ SINES INDUSTRIAL COMPLEX</div>				
ISOMETRIC DRAWING LINE	-						
	PED CATEGORY						
	Art 4.3						
1"-FW-68W26-B-13	INSULATION CODE / THK. (mm)		ANNEX 19	SPEC. L	DRAWING NUMBER 19-000-2-02-00001 sheet 2121FW68W26-7	REV. 00	
	N	0					