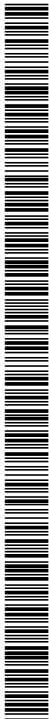


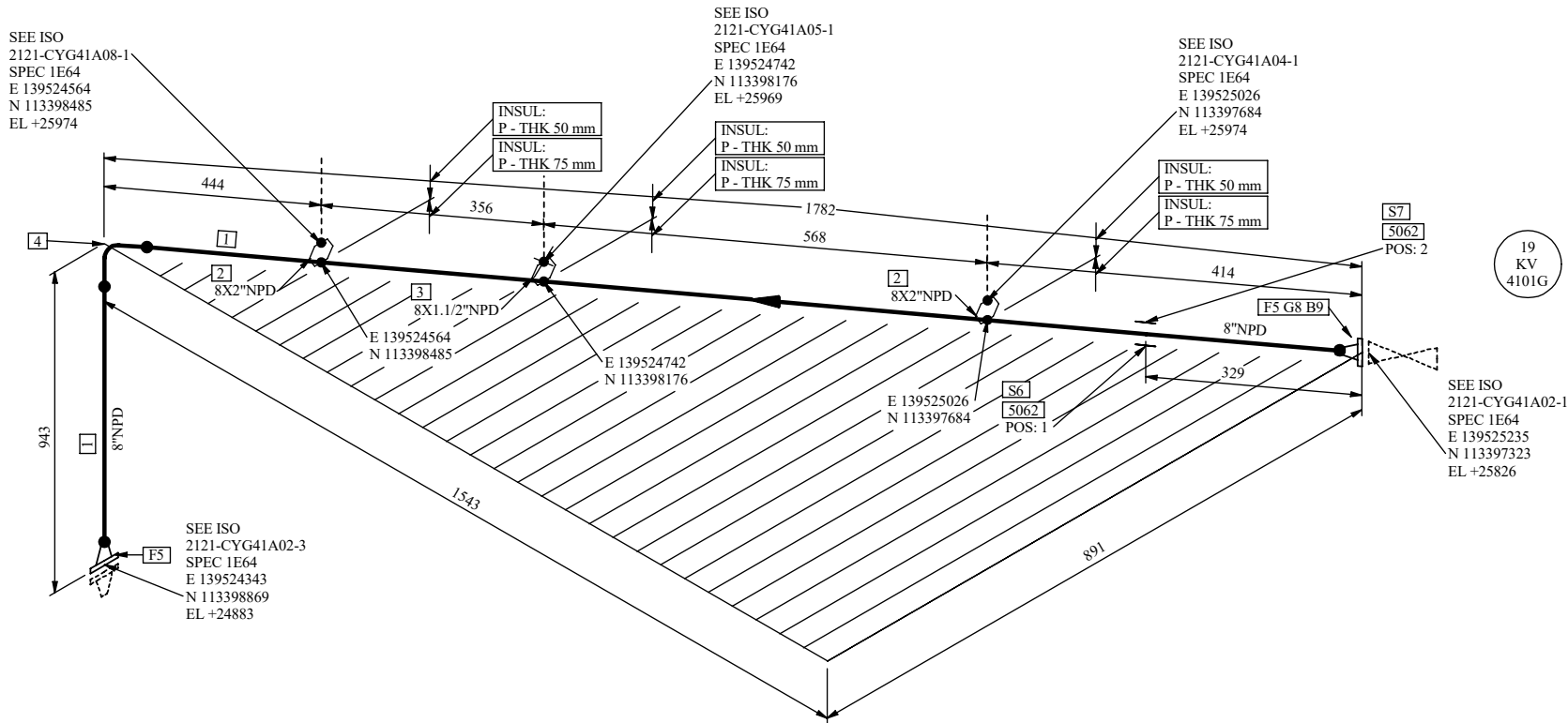
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








EXTR. DATE: 29-05-2023 14:52:37



STREAM NO.:3121

REV. CAUSE ID:



BILL OF MATERIAL					
PT NO	COMPONENT DESCRIPTION	N.S. (IN)	ITEM CODE	QTY	HOLD STATUS
PIPE					
1	PIPE - A106-B BE SMLS T01AC03V02 S-STD <PIPA010B18STD> (L-7806)	8	I117995	1.9 M	
FITTINGS					
2	REDUCING WELDOLET MSS-SP-97 A105N BE - C35DC44V01 S-STD S-STD <WOLA300F018151415> (L-6634)	8X2	I1651411	2	
3	REDUCING WELDOLET MSS-SP-97 A105N BE - C35DC44V01 S-STD S-XS <WOLA300F018151316> (L-347)	8X1.1/2	I9799740	1	
4	90 LR ELBOW ASME B16.9 A234-WPB BE SMLS C01DC04V01 S-STD <90LA200F38STD> (L-7955)	8	I128683	1	
FLANGES					
5	WN FLANGE ASME B16.5 300# A105N RFFE BE 125 - 250 AARH F01CFC44BV05 S-STD <WNFA300R358STD> (L-236)	8	I4274966	2	
PIPE SUPPORTS					
6	RESTING SHOE WELDED -C1A1 H = 100 L = 300	8	S062	1	
7	PIPING SUPPORT - BEAMS- BE03 HEA220	8	S062	1	
GASKETS					
8	SPIRAL WOUND GASKET ASME B16.20 300# RFFE 304/PTFE CARBON STEEL SS 304 ASME B16.5 G03GFB11G12 <SPAQ50S3EA8> (L-SPA05)	8	I63598792	1	
BOLTS					
9	STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE I01OB0301 <SB2R51G7/851/2> - 2 NUTS PER BOLT - 140 mm Length	7/8	I53437666	12	

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° REP-PE-022
						P & ID 19-A-19-000-1-01-00001 sheet 52
00	ISSUED FOR CONSTRUCTION	26-MAY-2023	M.YADAV	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-19-000-2-00-86197 sheet 7

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						
	Signature for construction is shown on Iso list of relevant CWA	PAINTING SCHEME (3) 1		CONTRACTOR: 	CONTRACTOR DRAWING NUMBER: 4274-XH-DL-2121CYG41A02-2		PROJECT: 4001008
PIPING CLASS 1E64							
TITLE ISOMETRIC DRAWING LINE 8"-CYG-41A02-1E64 (P)	WELDING CLASS (4) A-6		LOW LINEAL DENSITY POLYETHYLENE (PEL) AND POLYPROPYLENE (PP) PLANTS FOR PROJECT - ALBA PROJECT 				CLIENT / COMPLEX REPSOL POLYMEROS/ SINES INDUSTRIAL COMPLEX
	PED CATEGORY III						
	INSULATION CODE / THK. (mm) P 75		ANNEX 19	SPEC. L	DRAWING NUMBER 19-000-2-02-00001 sheet 2121CYG41A02-2		REV. 00