

THIS DOCUMENT BELONGS TO REPSOL. IT CAN NOT BE COPIED, REPRODUCED AND/OR USED WITHOUT
PREVIOUS AUTHORIZATION OF REPSOL. COMPUTERIZED DRAWING (HANDWRITING STRICTLY FORBIDDEN).

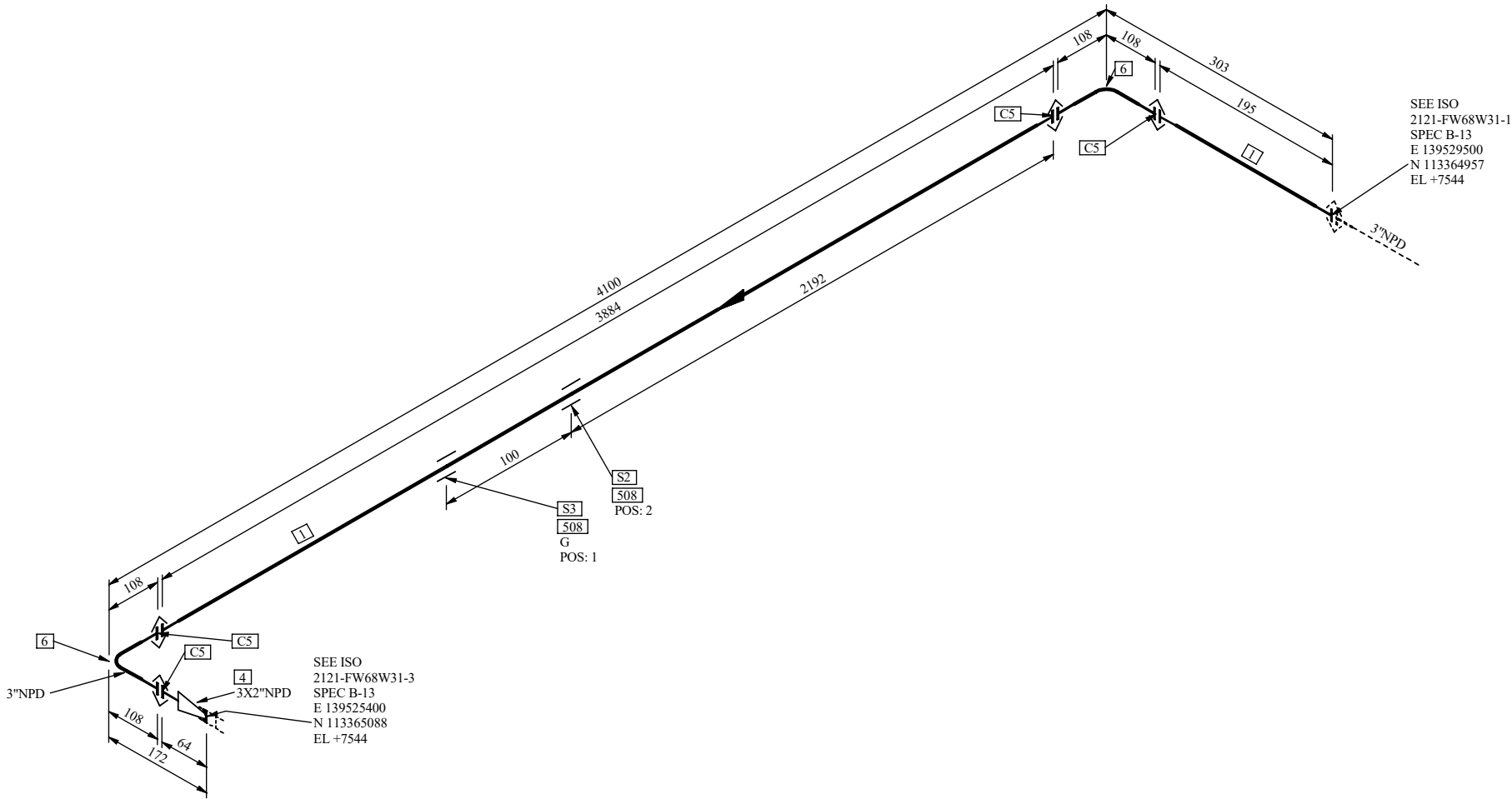


EXTR. DATE: 28-01-2023 07:31:35











STREAM NO.: 74



STREAM REV. NO. : 7

REV. CAUSE ID:



BILL OF MATERIAL					
PT NO	COMPONENT DESCRIPTION	N.S. (IN)	ITEM CODE	QTY	HOLD STATUS
PIPE					
1	PIPE - A53-B GALV PE SMLS T01AC11Z02 S-STD <PIPG010A13STD> (L-11).	3	I1179807	4.1 M	
PIPE SUPPORTS					
2	VERTICAL STAKES WELDED TO STR. ST42 L100X100X10	3	508	1	
3	STANDARD GUIDE FOR NOT INS. GALV.PIPING-N3G1	3	508	1	
FITTINGS					
4	GROOVED END CONC RED MFTR 150# A536 GR. 65-45-12 GALV MGE MTE - R85ADA246W03 Undefined <VR110105S1514> (L-VR101).	3X2	158908746	1	
5	RIGID COUPLING MFTR 150# A536 GR. 65-45-12 GALV FGE FGE EPDM MANUFACTURER STD R80ADA24YY02 <VRC101043S53> (L-VRC01)	3	152837076	4	
6	GROOVED END 90 ELBOW MFTR 150# A536 GR. 65-45-12 GALV MGE MGE - R81ADA246602 NREQD <V9AI0107S15> (L-V9A01).	3	152836902	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
00	ISSUED FOR CONSTRUCTION	27-JAN-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-19-000-2-00-86192 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, Galvanized									
	HEAT TREATMENT (PWHT)									
	-									
Signature for construction is shown on Iso list of relevant CWA	PAINTING SCHEME (3)		CONTRACTOR: 		CONTRACTOR DRAWING NUMBER: 4274-XH-DL-2121FW68W31-2		PROJECT: 4001008			
	4									
	PIPING CLASS									
	B-13									
TITLE ISOMETRIC DRAWING LINE 3"-FW-68W31-B-13	WELDING CLASS (4)		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)		ANNEX		SPEC.		DRAWING NUMBER		REV.	
	N 0		19		L		19-000-2-02-00001 sheet 2121FW68W31-2		00	