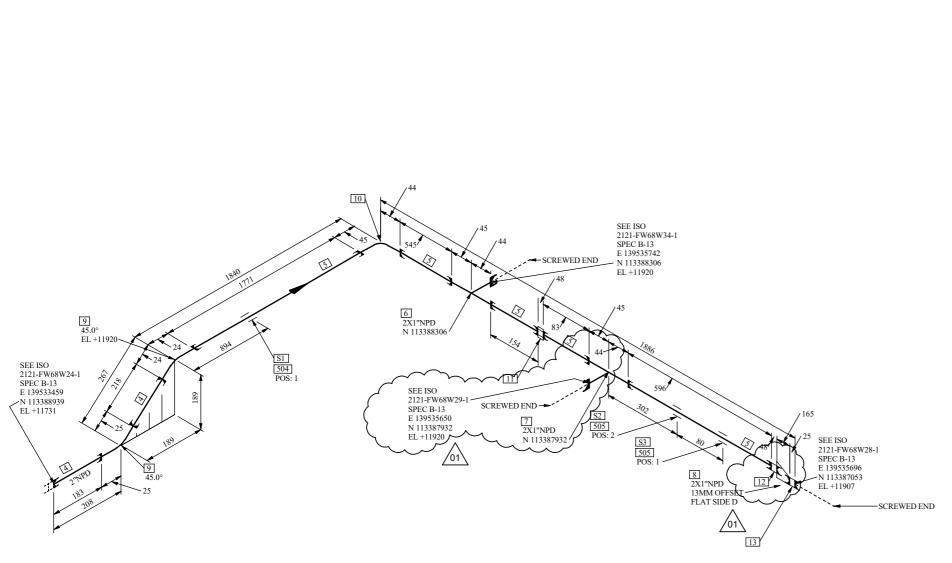
REV. CAUSE ID:

STREAM REV. NO.: 10

STREAM NO.:74



BILL OF MATERIAL									
T O COMPONENT DESCRIPTION	N.S. (IN)	ITEM CODE	QTY	HOLD STATUS					
PE SUPPORTS									
U BOLT (FOR GUIDE)-P02D	2	504	1						
VERTICAL STAKES WELDED TO STR. ST42 L80X80X10	2	505	1						
U BOLT (FOR GUIDE)-P02D	2	505	1						
<u>PE</u>									
PIPE - A53-B GALV MTE SMLS T01AC11W02 S-XS < PIPG010C12XS > (N/A)	2	I145688	0.5 M						
PIPE - A53-B GALV MTE SMLS T01AC11W02 S-XS < PIPG010C12XS > (N/A).	2	I145688	3.2 M						
TTINGS									
REDUCING TEE ASME B16.11 3000# A105 GALV FTE FTE - R12FNC022201 NREQD	2X1	I225442	1						
<rteg300kbk21>(L-RTE01).</rteg300kbk21>									
REDUCING TEE ASME B16.11 3000# A105 GALV FTE FTE - R12FNC022201 NREQD	2X1	I225442	1						
<rteg300kbk21>(L-RTE01)</rteg300kbk21>									
ECCENTRIC SWAGE MSS SP-95 - A105 GALV MTE MTE SMLS SCH1-XS SCH2-XS	2X1	13957230	1						
R22FQC02WW01 <eswg010dr14161216> (L-ESW26).</eswg010dr14161216>									
45 ELBOW ASME B16.11 3000# A105 GALV FTE FTE - R32FNC022201 NREQD	2	I214935	2						
<45TG300KBK2>(L-8908)									
90 ELBOW ASME B16.11 3000# A105 GALV FTE FTE - R31FNC022203 NREQD	2	I214923	1						
<90TG300KBK2>(L-8907).									
UNION ASME B16.11 3000# A105 GALV FTE FTE - R43FNC022201 NREQD <n a=""> (N/A)</n>	2	I45867363	1						
2 COUPLING ASME B16.11 3000# A105 GALV FTE FTE - R01FNC022201 NREQD	2	I214900	1						
<fcpg300kbk2> (L-8910)</fcpg300kbk2>									
3 COUPLING ASME B16.11 3000# A105 GALV FTE FTE - R01FNC022201 NREQD	1	I214897	1						
<fcpg300kbk1> (L-8910).</fcpg300kbk1>									
	COMPONENT DESCRIPTION PE SUPPORTS U BOLT (FOR GUIDE)-P02D VERTICAL STAKES WELDED TO STR. ST42 L80X80X10 U BOLT (FOR GUIDE)-P02D PE PIPE - A53-B GALV MTE SMLS T01AC11W02 S-XS <pipg010c12xs> (N/A) PIPE - A53-B GALV MTE SMLS T01AC11W02 S-XS <pipg010c12xs> (N/A). TTINGS REDUCING TEE ASME B16.11 3000# A105 GALV FTE FTE - R12FNC022201 NREQD <rteg300kbk21> (L-RTE01). REDUCING TEE ASME B16.11 3000# A105 GALV FTE FTE - R12FNC022201 NREQD <rteg300kbk21> (L-RTE01) ECCENTRIC SWAGE MSS SP-95 - A105 GALV MTE MTE SMLS SCH1-XS SCH2-XS R22FQC02WW01 <eswg010dr14161216> (L-ESW26). 45 ELBOW ASME B16.11 3000# A105 GALV FTE FTE - R32FNC022201 NREQD <45TG300KBK2> (L-8908) 9 0 ELBOW ASME B16.11 3000# A105 GALV FTE FTE - R31FNC022203 NREQD <90TG300KBK2> (L-8907). UNION ASME B16.11 3000# A105 GALV FTE FTE - R43FNC022201 NREQD <n a=""> (N/A) 1 COUPLING ASME B16.11 3000# A105 GALV FTE FTE - R01FNC022201 NREQD <fcpg300kbk2> (L-8910) 5 COUPLING ASME B16.11 3000# A105 GALV FTE FTE - R01FNC022201 NREQD</fcpg300kbk2></n></eswg010dr14161216></rteg300kbk21></rteg300kbk21></pipg010c12xs></pipg010c12xs>	N.S.	N.S. COMPONENT DESCRIPTION N.S. (IN) ITEM CODE	N.S. O. COMPONENT DESCRIPTION (IN) ITEM CODE OTY					

田												
REMARKS FOR MECHANICAL SUBCONTRACTOR: 1) LINES 1.1/2" AND SMALLER SHALL BE SUPPORTED IN FIELD IF NOT OTHERWISE INDICATED.												
U 1		1										
		1										
	4) FOR	EXTRA PIPE LENGTH REFER TO 4274-LZ-PC-00000603.	-LZ-PC-0000603.						1			
5) GUSSETING TO BE IMPLEMENTED BY MECHANICAL SURCONTRACTOR AS PER 45-L-45-000-2-00-80004 / 4274-XH-SG-00000002												
\ddot{z}	· · 1 6) CROSSING BETWEEN WELDS ON PIPELINE SHALL NOT BE ADMITTED.											
:41	+ I											
8) ACTUAL CUT LENGTH OF PIPE AND FIELD WELDS SHALL BE DEFINED BY MECHANICAL SUBCONTRACTOR (REF. TO 4274-LZ-PC-00000603).												
No. 19) 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.												
4	4											
202	SUPPORTS LECEND. IDENOTES PARTS LIST NO PIPE A=RESTING SUPPORT G=GLIDE F=AXIALSTOP B=ANCHOR M=SPRING S=TEFLONPAD											
2(SUPPORTS LEGEND: UDENOTES PARISLES NO SUPPORT - WHERE A WHERE THE BY A REST DIRECTLY ON STEEL STRUCTURE.											
2		-						STRESS CALC, Nº	TI			
9									**			
29-02								-	-			
1	01	ISSUED FOR CONSTRUCTION	29-FEB-24	M.YADAV				P & ID	1			
					P.VAZE	G.PAGANONI		19-A-19-000-1-01-00001 sheet 124	'			
DATE:								LINE LIST N°	1			
Σ Ι	00	ISSUED FOR CONSTRUCTION	03-MAR-23	U.CHAVAN	P.VAZE	G.PAGANONI						
	00	IDDELD FOR CONDITION	05 111 110 25	O.C.L.T.T.L.V	1.11122	OH THOM IN TOTAL		19-L-19-000-2-00-80602				
EXTR.								PIPE LAYOUT Nº	1			
\times	REV.	DESCRIPTION	DATE	DRW. BY	CHECK BY	APPR. BY	APPR. CLIENT	19-L-19-000-2-00-86197 sheet 3				
ш,								19-L-19-000-2-00-8019 / Sheet 3				

Signature for construction is shown on Iso list of relevant CWA

APPROVED FOR

CONSTRUCTION

PIPE MATERIAL

CS, Galvanized

HEAT TREATMENT (PWHT)

PAINTING SCHEME (3)

PED CATEGORY

INSULATION CODE / THK. (mm)

Art 4.3

ANNEX 19

ISOMETRIC DRAWING LINE

2"-FW-68W24-B-13

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

5. CODE SHOWN IN BOM BETWEEN "<" & ">" DENOTES REPSOL UNICODE. "<N/A>" MEANS UNICODE IS "NOT AVAILABLE"

CONTRACTOR: CONTRACTOR DRAWING NUMBER: PROJECT: 4001008 PIPING CLASS 4274-XH-DL-2121FW68W24-2 WELDING CLASS (4)

LOW LINEAL DENSITY POLYETHILENE (PEL) AND POLYPROPYLENE (PP) PLANTS FOR PROJECT - ALBA PROJECT REPSQL

CLIENT / COMPLEX REPSOL POLYMEROS/ SINES INDUSTRIAL COMPLEX

01

DRAWING NUMBER 19-000-2-02-00001 sheet 2121FW68W24-2