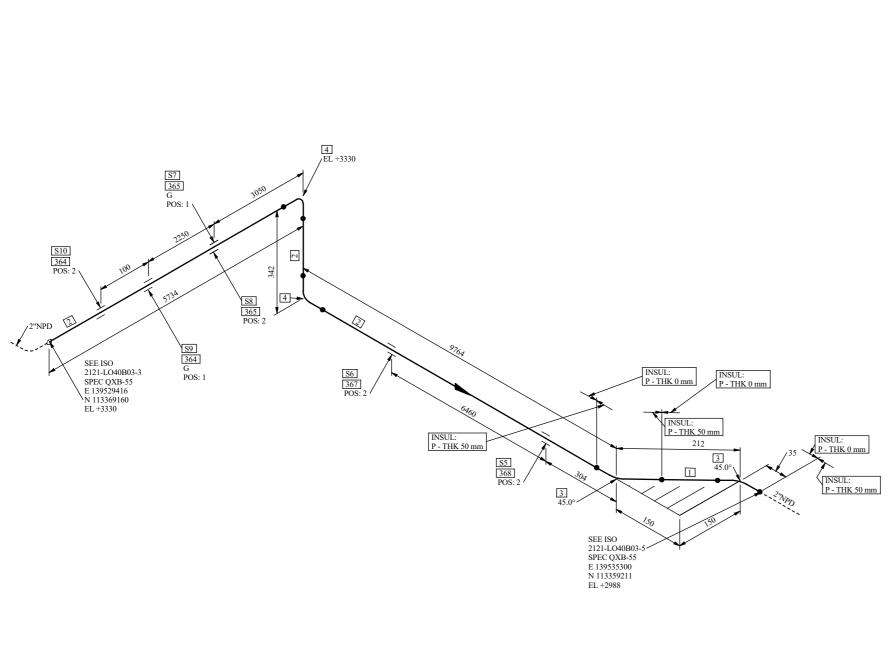
N

DESCRIPTION



APPR. BY APPR. CLIENT 19-L-19-000-2-00-86196 sheet 1

BILL OF MATERIAL						
PT NO COMPONENT DESCRIPTION	N.S. (IN)	ITEM CODE	QTY	HOLD STATUS		
PIPE						
1 PIPE - A312-TP304/304L DUAL GR BE SMLS T01AL2CV02 S-10S <pipb04db2210s> (L-PIP113)</pipb04db2210s>	2	13364302	0.2 M			
2 PIPE - A312-TP304/304L DUAL GR BE SMLS T01AL2CV02 S-10S <pipb04db2210s> (L-PIP113).</pipb04db2210s>	2	13364302	15.6 M			
<u>FITTINGS</u>						
3 45 LR ELBOW ASME B16.9 A403-WP304/304L DG BE SMLS C02DL2FV01 S-10S <45LB23DF3210S> (L-45L28)	2	I2259145	2			
4 90 LR ELBOW ASME B16.9 A403-WP304/304L DG BE SMLS C01DL2FV01 S-10S <90LB23DF3210S> (L-8052).	2	I2259133	2			
PIPE SUPPORTS						
5 STAKES SUPPORTS ST02 HEA100	2	368	1			
6 VERTICAL STAKES WELDED TO STR. ST42 L80X80X10	2	367	1			
7 SUPPORT HOR.NOT INS.PIP.N4G1	2	365	1			
8 WELDED BRACKET TO STRUCT. SB03 L100X100X10	2	365	1			
9 SUPPORT HOR.NOT INS.PIP.N4G1	2	364	1			
10 VERTICAL STAKES WELDED TO STR. ST42 L100X100X10	2	364	1			

9								
N N	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	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.							
7	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.							
		ASE OF DISCREPANCIES BETWEEN DATA SHOWN ON ISO AND IN LINE LIST (AS APPLICABLE).						
_	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.							
0	7) WHERE EACHING BONDING IS REQUIRED, WILCHANGED SUBCONTRACTOR TO FER ORBIT BASED ON DOC. 4534-400-4-400-400-4-40-4-400-4-40-4-40-							
2	SUPPORTS LEGEND: DENOTES PARTS LIST NO PIPE A=RESTING SUPPORT G=GUIDE F=AXIALSTOP B=ANCHOR M=SPRING S=TEFLON PAD WHERE A WITHOUT NUMBERING IS INDICATED, THIS MEANS THAT THERE IS A REST DIRECTLY ON STEEL STRUCTURE.							
7	2011	WHERE A WITHOU	UT NUMBERING IS	S INDICATED, THIS	MEANS THAT II	HERE IS A REST DIR	ECILY ON STEEL STRUCTURE.	
_							STRESS CALC. Nº	T
5							-	
-							P & ID	$\dashv$
ri	01	ISSUED FOR CONSTRUCTION	10-NOV-23	M.YADAV	P.VAZE	G.PAGANONI	19-A-19-000-1-01-00001 sheet 29B	
Ξ							LINE LIST N°	$\dashv$
Š	00	ISSUED FOR CONSTRUCTION	19-MAY-23	U.CHAVAN	P.VAZE	G.PAGANONI	19-L-19-000-2-00-80602	

CHECK BY

Signature for construction is shown on Iso list of relevant CWA

APPROVED FOR

CONSTRUCTION

ISOMETRIC DRAWING LINE 2"-LO-40B03-QXB-55 (P)

PIPE MATERIAL

PIPING CLASS

HEAT TREATMENT (PWHT)

INSULATION CODE / THK. (mm)

NR

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.	
304, dual grade	<ol> <li>WELDING ACCORDING TO 45-L-45-000-2-00-80021.</li> </ol>	

5. CODE SHOWN IN BOM BETWEEN "<" & ">" DENOTES REPSOL UNICODE. "<N/A>" MEANS UNICODE IS "NOT AVAILABLE" PAINTING SCHEME (3) CONTRACTOR: CONTRACTOR DRAWING NUMBER: PROJECT:

4274-XH-DL-2121LO40B03-4 QXB-55 WELDING CLASS (4) LOW LINEAL DENSITY POLYETHILENE (PEL) AND POLYPROPYLENE (PP) PLANTS PED CATEGORY FOR PROJECT - ALBA PROJECT REPSQL Art 4.3

CLIENT / COMPLEX REPSOL POLYMEROS/ SINES INDUSTRIAL COMPLEX

4001008

DRAWING NUMBER 19-000-2-02-00001 sheet 2121LO40B03-4 ANNEX 19 01