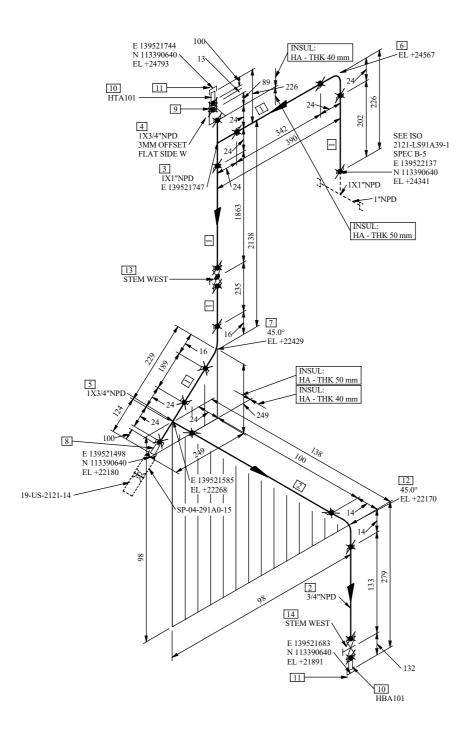
REV. CAUSE ID:

N



BILL OF MATERIAL				
T	N.S.			HOLD
NO COMPONENT DESCRIPTION	(IN)	ITEM CODE	QTY .	STATU
PIPE				
PIPE - A106-B PE SMLS T01AC03Z02 S-XS < PIPA010A11XS > (L-6679)	1	1132793	2.8 M	
PIPE - A106-B PE SMLS T01AC03Z02 S-XS < PIPA010A13/4XS > (L-6679)	3/4	1132785	0.3 M	
TITINGS.				
TEE ASME B16.11 3000# A105N SWE SWE - R11FNC441101 NREQD <tesa300lbk1> (L-179)</tesa300lbk1>	1X1	11651301	1	
ECCENTRIC SWAGE MSS SP-95 - A105N PE PE SMLS SCH1-XS SCH2-XS R22FQC44ZZ01	1X3/4	163782597	1	
<eswa010ar12161116> (L-ESW31)</eswa010ar12161116>				
REDUCING TEE ASME B16.11 3000# A105N SWE SWE - R12FNC441101 NREQD	1X3/4	11651305	1	
<rtea300kbk13 4=""> (L-RTE15)</rtea300kbk13>				
90 ELBOW ASME B16.11 3000# A105N SWE SWE - R31FNC441103 NREQD	1	11651296	1	
<90FA300LBK1> (L-178)				
45 ELBOW ASME B16.11 3000# A105N SWE SWE - R32FNC441101 NREQD	1	11651292	1	
<45FA300LBK1> (L-184)				
NIPPLE A106-B PE MTE SMLS LENGTH 100mm R03AQC03ZW04 S-160	1	12221187	1	
<ntoa010e1120324> (L-7881)</ntoa010e1120324>				
COUPLING ASME B16.11 3000# A105N SWE SWE - R01FNC441101 NREQD	3/4	11651676	1	
<fcpa300lbk3 4=""> (L-180)</fcpa300lbk3>				
0 NIPPLE A106-B PE MTE SMLS LENGTH 100mm R03AQC03ZW04 S-160	3/4	12221177	2	
<ntoa010e1110324> (L-7881)</ntoa010e1110324>				
1 CAP ASME B16.11 3000# A105N FTE NREQD - R41FNC442001 NREQD <cata300kbk3 4=""></cata300kbk3>	3/4	11651686	2	
(L-79)				
2 45 ELBOW ASME B16.11 3000# A105N SWE SWE - R32FNC441101 NREQD	3/4	11651294	1	
<45FA300LBK3/4> (L-184)				
VALVES / IN-LINE ITEMS				
3 GLOBE VALVE API 602 800# A105N SWE SWE 5-HARDFACED API 602 B7/2H BB-OS&Y	1	I11426473	1	
API 602 HW V02GIC441162 NREQD < A61L-296> (L-296)				
4 GATE VALVE API 602 800# A105N SWE SWE 5-HARDFACED API 602 B7/2H BB-OS&Y SOV	V 3/4	I11426464	1	
API 602 HW V01GIC441111 NREQD < G63 4L-6566> (L-6566)				

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 X , 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 PARTSLIST NO PIPE A A-RESTING SUPPORT G-GUIDE F-AXIALSTOP B-ANCHOR M-SPRING S-TIFLONPAD WHERE AWITHOUT NUMBERING IS INDICATED, THIS MEANS THAT THERE IS A REST DIRECTLY ON STEEL STRUCTURE.								ISSUED FOR REFERENCE	PIPE MATERIAL CS HEAT TREATMENT (PWHT		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".				
								Signature for construction is shown on Iso list of relevant CWA	PAINTING SCHEME (3) PIPING CLASS	20 B-5	CONTRACTO	OR:	CONTRACTOR DRAWING NUMBER: 4274-XH-DL-2121LS91A38-1	PROJECT: 4001008	
AIE: 01-00-							STRESS CALC. № - P & ID 19-A-19-000-1-01-00001 sheet 117 LINE LIST №	ISOMETRIC DRAWING LINE	WELDING CLASS (4) PED CATEGORY	E Art 4.3	LOV	AND P	AL DENSITY POLYETHILENE (PEI OLYPROPYLENE (PP) PLANTS R PROJECT - ALBA PROJECT	CLIENT / COMPLEX REPSOL POLYMEROS/ SINES INDUSTRIAL COMPLEX	
EAIR. D.	00 ISSUED FOR REFERENCE REV. DESCRIPTION	02-JUN-23 DATE	U.CHAVAN DRW. BY	P.VAZE CHECK BY	G.PAGANONI APPR. BY	ADDD CLIENT	19-L-19-000-2-00-80602 PIPE LAYOUT N° 19-L-19-000-2-00-86197 sheet 6	1"-LS-91A38-B-5 (HA)	INSULATION CODE / THE	HK. (mm)	annex 19	SPEC.	DRAWING NUMBER 19-000-2-02-00001 sheet 2121LS91A	38-1 REV. 00	