

BILL OF MATERIAL HOLD COMPONENT DESCRIPTION ITEM CODE QTY STATUS (IN) PIPE - A106-B PE SMLS T01AC03Z02 S-XS < PIPA010A13/4XS> (L-6679) I132785 FITTINGS TEE ASME B16.11 3000# A105N SWE SWE - R11FNC441101 NREQD <TESA300LBK3/4> 3/4X3/4 I1651300 90 ELBOW ASME B16.11 3000# A105N SWE SWE - R31FNC441103 NREQD 11651298 <90FA300LBK3/4> (L-178) 45 ELBOW ASME B16.11 3000# A105N SWE SWE - R32FNC441101 NREQD I1651294 <45FA300LBK3/4> (L-184) NIPPLE - - A106-B PE MTE SMLS LENGTH 100mm R03AQC03ZW04 S-XS 12221184 <NTOA010E1111624> (L-7888) CAP ASME B16.11 3000# A105N FTE NREQD - R41FNC442001 NREQD <CATA300KBK3/4> 3/4 11651686 (L-79) ALVES / IN-LINE ITEMS GLOBE VALVE API 602 800# A105N SWE SWE 5-HARDFACED API 602 B7/2H BB-OS&Y I11426472 API 602 HW V02GIC441162 NREQD < A63_4L-296> (L-296) GATE VALVE API 602 800# A105N SWE SWE 5-HARDFACED API 602 B7/2H BB-OS&Y SOW 3/4 I11426464 API 602 HW V01GIC441111 NREQD < G63_4L-6566> (L-6566)

1) BRES 1112 TRES STREET STREET TOT STREET TOT STREET STREET								1
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.								
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.								」 S
TIDENCITES BADTELIST NO PIPE — A=RESTING SIPPORT G=GILDE F=AXIAL STOP B=ANCHOR M=SPRING S=TEH ON PAD								7 -
SUPPORTS LEGEND: SUPPORT - WHERE AWITHOUT NUMBERING IS INDICATED, THIS MEANS THAT THERE IS A REST DIRECTLY ON STEEL STRUCTURE.								
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							STRESS CALC. N	TI
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							P & ID	1 J
							19-A-19-000-1-01-00001 sheet 111	
	ISSUED FOR REFERENCE		U.CHAVAN	P.VAZE	G.PAGANONI		LINE LIST Nº	1
00		02-JUN-23					19-L-19-000-2-00-80602	
							PIPE LAYOUT Nº	1
REV.	DESCRIPTION	DATE	DRW. BY	CHECK BY	APPR. BY	APPR. CLIENT	19-L-19-000-2-00-86197 sheet 6	
	3) FOR 4) FOR 5) GUS 6) CRC 7) IN C 8) ACT 9) WHI	3) FOR THE COMPONENTS MARKED AS FIELD WELDED WITH THIS SYMBOL 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- 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 APPLIC. 8) ACTUAL CUT LENGTH OF PIPE AND FIELD WELDS SHALL BE DEFINED BY MECHANICAL SU 9) WHERE EARTHING BONDING IS REQUIRED, MECHANICAL SUBCONTRACTOR TO PERFORM SUPPORTS LEGEND: □ DENOTES PARTSLIST NO PIPE SUPPORT A=RESTING WHERE WITH 00 ISSUED FOR REFERENCE	3) FOR THE COMPONENTS MARKED AS FIELD WELDED WITH THIS SYMBOL ✗, ONE WELD FOR ADJUSTMENT 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-X 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 SHOWN AND IN LINE LIST (AS APPLICABLE, DATA SHOWN SHOWN ACTUAL CUT LENGTH OF PIPE AND FIELD WELDS SHALL BE DEFINED BY MECHANICAL SUBCONTRACTOR (0) 9) WHERE EARTHING BONDING IS REQUIRED, MECHANICAL SUBCONTRACTOR TO PERFORM IT BASED ON DOC SUPPORTS LEGEND: □DENOTES PARTSLIST NO PIPE — A=RESTING SUPPORT G=SUPPORT SUPPORT SU	3) FOR THE COMPONENTS MARKED AS FIELD WELDED WITH THIS SYMBOL X, ONE WELD FOR ADJUSTMENT OF IN LINE COM 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 8) ACTUAL CUT LENGTH OF PIPE AND FIELD WELDS SHALL BE DEFINED BY MECHANICAL SUBCONTRACTOR (REF. 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REFERENCE Signature for construction is shown on Iso list of relevant CWA

3/4"-IW-91N29-B-1

ISSUED FOR

WELDING CLASS (4) ISOMETRIC DRAWING PED CATEGORY LINE INSULATION CODE / THK. (mm)

PIPE MATERIAL

PIPING CLASS

CS

3. WELDING ACCORDING TO 45-L-45-000-2-00-80021 HEAT TREATMENT (PWHT)

NOTES: 1. FOR TECHNICAL DETAILS SEE LINE LIST.

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

2. FOR VENT, DRAIN OR INSTRUMENT CONNECTION DETAILS SEE 45-L-45-000-2-00-80102

LOW LINEAL DENSITY POLYETHILENE (PEL) AND POLYPROPYLENE (PP) PLANTS FOR PROJECT - ALBA PROJECT Art 4.3

CLIENT / COMPLEX REPSOL POLYMEROS/ SINES INDUSTRIAL COMPLEX

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4001008

REPSQL DRAWING NUMBER ANNEX 19-000-2-02-00001 sheet 2121IW91N29-1

4274-XH-DL-2121IW91N29-1