

HOLD COMPONENT DESCRIPTION ITEM CODE QTY (IN) STATUS PIPE - A106-B BE SMLS T01AC03V02 S-STD < PIPA010B12STD > (L-7806) I117862 FITTINGS ECCENTRIC REDUCER ASME B16.9 A234-WPB BE SMLS C22DC04V01 S-STD S-STD I128215 <EREA200F316151415> (L-7959). RED 45 LATROLET MSS SP-97/AA 3000# A105N BE SWE - R19HNC44V101 Undefined I61607380 <LASA300LB01411> (L-368). FLANGES WN FLANGE ASME B16.5 300# A105N RFFE BE 125 - 250 AARH F01CFC44BV05 S-STD I4272446 <WNFA300R354STD> (L-236). WN FLANGE ASME B16.5 300# A105N RFFE BE 125 - 250 AARH F01CFC44BV05 S-STD 15355797 <WNFA300R352STD> (L-236). NSTRUMENTS INSTRUMENT COMPONENT 19-FV-4009 PIPE - A106-B PE SMLS T01AC03Z02 S-XS < PIPA010A13/4XS> (L-6679) I132785 FITTINGS PLUG ROUND HEAD ASME B16.11 - A105N MTE NREQD - R42FQC44W001 NREQD 110088232 <PLUA300CK3/4> (L-77). GASKETS SPIRAL WOUND GASKET ASME B16.20 300# RFTBE 316/GRAFOIL CARBON STEEL SS 316 4 160146999 ASME B16.5 G03GFP1IQ01 <SPAQ504R3EA4> (L-SPA01) SPIRAL WOUND GASKET ASME B16.20 300# RFTBE 316/GRAFOIL CARBON STEEL SS 316 2 160205410 ASME B16.5 G03GFP1IQ01 < SPAQ504R3EA2> (L-SPA01) 1 STUD BOLTS&NUTS ASME B18 31 2/ B18 2 2 A 193-B7/A 194-2H INCH SIZE 101OB0301 153437466 <SB2R51G3/441/2> - 2 NUTS PER BOLT - 115 mm Length STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE I010B0301 153437440 <SB2R51G5/831/2> - 2 NUTS PER BOLT - 90 mm Length ALVES / IN-LINE ITEMS 3 BALL VALVE BS EN ISO 17292 300# A216-WCB RFFE 316/PEEK B7/2H 125 - 250 AARH 164874994 (2PSB-FULL BORE FLOATING BALL) LE ASME B16.5 V04FFC29BNO NREQD <B44L-AL268> BALL VALVE BS EN ISO 17292 300# A216-WCB RFFE 316/PEEK B7/2H 125 - 250 AARH 2PSB-FULL BORE FLOATING BALL LE ASME B16.5 V04FFC29BNO NREQD <B42L-AL268> 5 GATE VALVE API 602 800# A105N SWE FTE 8-F6&HF WB-OS&Y SOW PTFE HW 163559275 V01GIC4412BM4 NREQD < G73 4L-GA1424A > (L-GA1424A). 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 CS 3. WELDING ACCORDING TO 45-L-45-000-2-00-80021 HEAT TREATMENT (PWHT) 5. CODE SHOWN IN BOM BETWEEN "<" & ">" DENOTES REPSOL UNICODE. "<N/A>" MEANS UNICODE IS "NOT AVAILABLE" PAINTING SCHEME (3) CONTRACTOR: CONTRACTOR DRAWING NUMBER: PROJECT: PIPING CLASS 4001008 4274-XH-DL-2121CYG40B16-2 1E87 WELDING CLASS (4) LOW LINEAL DENSITY POLYETHILENE (PEL) CLIENT / COMPLEX AND POLYPROPYLENE (PP) PLANTS REPSOL POLYMEROS/ PED CATEGORY FOR PROJECT - ALBA PROJECT SINES INDUSTRIAL COMPLEX REPSQL NSULATION CODE / THK. (mn DRAWING NUMBER ANNEX 02 19-000-2-02-00001 sheet 2121CYG40B16-2

BILL OF MATERIAL

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) GIISSETING TO BE IMPLEMENTED BY MECHANICAL SUBCONTRACTOR AS PER 45 L 45 900 2 90 80004 / 4274 YH SG 90000002	APPROVED FOR CONSTRUCTION
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-0000060

A=RESTING SUPPORT G=GUIDE F=AXIAL STOP B=ANCHOR M=SPRING S=TEFLON PAD WHERE[A] WITHOUT NUMBERING IS INDICATED, THIS MEANS THAT THERE IS A REST DIRECTLY ON STEEL STRUCTURE. SUPPORTS LEGEND:

						STRESS CALC. Nº	TITLE
02	ISSUED FOR CONSTRUCTION	18-AUG-23	M.YADAV	P.VAZE	G.PAGANONI	-	ICOMETRIC DRAW
01	ISSUED FOR CONSTRUCTION	19-JUL-23	M.YADAV	P.VAZE	G.PAGANONI	P & ID 19-A-19-000-1-01-00001 sheet 39	ISOMETRIC DRAW
00	ISSUED FOR CONSTRUCTION	30-DEC-22	U.CHAVAN	P.VAZE	G.PAGANONI	LINE LIST N° 19-L-19-000-2-00-80602	LINE
REV.	DESCRIPTION	DATE	DRW. BY	CHECK BY	APPR. BY	PIPE LAYOUT № 19-L-19-000-2-00-86196 sheet 6	4"-CYG-40B16-1E87 (WS)

Signature for construction is shown

on Iso list of relevant CWA