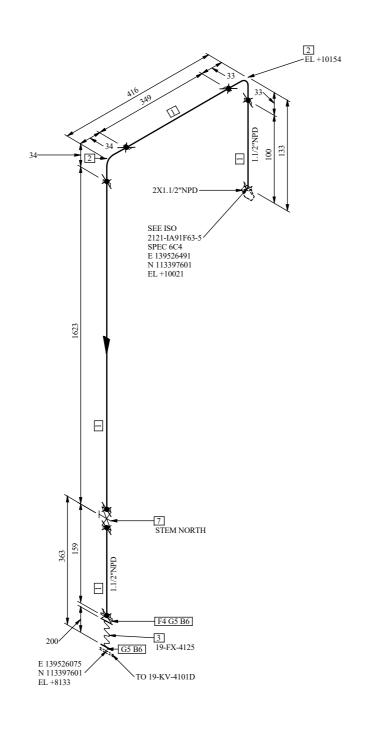
DESCRIPTION



PIPE LAYOUT Nº

19-L-19-000-2-00-86197 sheet 3

APPR. CLIENT

BILL OF MATERIAL				
T O COMPONENT DESCRIPTION	N.S. (IN)	ITEM CODE	QTY.	HOLD
<u>IPE</u>				
PIPE - A312-TP304/304L DUAL GR PE SMLS T01AL2CZ02 S-40S <pipb04da211 240s=""></pipb04da211>	1.1/2	I2257941	2.2 M	
(L-PIP111)				
ITTINGS.				
90 ELBOW ASME B16.11 3000# A182-F304/304L DUAL GR SWE SWE - R31FNL2A1103	1.1/2	12258119	2	
NREQD <90FB450LBK11/2> (L-90F05)				
SPECIALTY COMPONENT	1.1/2	19-FX-4125	1	
LANGES .				
SW FLANGE ASME B16.5 150# A182-F304/304L DUAL GR RFFE SWE 125 - 250 AARH	1.1/2	I2260364	1	
F02CDL2AB105 S-40S <swfb450r1511 240s=""> (L-SWF30)</swfb450r1511>				
ASKETS				
SPIRAL WOUND GASKET ASME B16.20 150# RFTBE 304/GRAFOIL SS 304 SS 304 ASME	1.1/2	11654484	2	
B16.5 G03GDP1IS04 <n a=""> (N/A)</n>				
<u>OLTS</u>				
STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B8M CL2/A194-8MA INCH SIZE	1/2	I63801421	8	
I01OB1601 <sb2r58g1 223="" 4=""> - 2 NUTS PER BOLT - 70 mm Length</sb2r58g1>				
ALVES / IN-LINE ITEMS				
GATE VALVE API 602 800# A182-F316/316L DUAL GR SWE SWE 12-316&HF API 602	1.1/2	13404189	1	
A193-B8M CL2/8MA BB-OS&Y SOW API 602 HW V01GIL1M114N NREQD < G611_2L-AL02	1>			
(L-AL021)				

ш.									
.023 08:43:58 STRE	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. 457-0007-706-000902/2474-NN-DW-00000002 AND ASSEMBLY NO FEA005 AND FE019.  SUPPORTS LEGEND:  Denotes Partslistno PIPE ASSETINGSUPPORT G-GUIDE F-AXIALSTOP B-ANCHOR M-SPRING S-TEFLONPAD WHERE AWITHOUT NUMBERRING IS INDICATED, THIS MEANS THAT THERE IS A REST DIRECTLY ON STEEL STRUCTURE.								
09-12-								STRESS CALC. N° - P & ID	7
ATE:	01	ISSUED FOR REFERENCE	08-DEC-23	M.YADAV	P.VAZE	G.PAGANONI		19-A-19-000-1-01-00001 sheet 106 LINE LIST N°	
~ D	00	ISSUED FOR REFERENCE	04-AUG-23	M.YADAV	P.VAZE	G.PAGANONI		19-L-19-000-2-00-80602	

DRW. BY

CHECK BY

APPR. BY

Signature for construction is shown on Iso list of relevant CWA

**ISSUED FOR** 

**REFERENCE** 

PIPE MATERIAL

304, dual grade

HEAT TREATMENT (PWHT)

PAINTING SCHEME (3)

NR

ISOMETRIC DRAWING LINE 1-1/2"-IA-91FAG-6C4

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.

N 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-2121IA91FAG-1 WELDING CLASS (4) LOW LINEAL DENSITY POLYETHILENE (PEL) CLIENT / COMPLEX AND POLYPROPYLENE (PP) PLANTS PED CATEGORY

REPSOL POLYMEROS/ FOR PROJECT - ALBA PROJECT SINES INDUSTRIAL COMPLEX REPSQL Art 4.3 INSULATION CODE / THK. (mm) DRAWING NUMBER 19-000-2-02-00001 sheet 2121IA91FAG-1 ANNEX

01