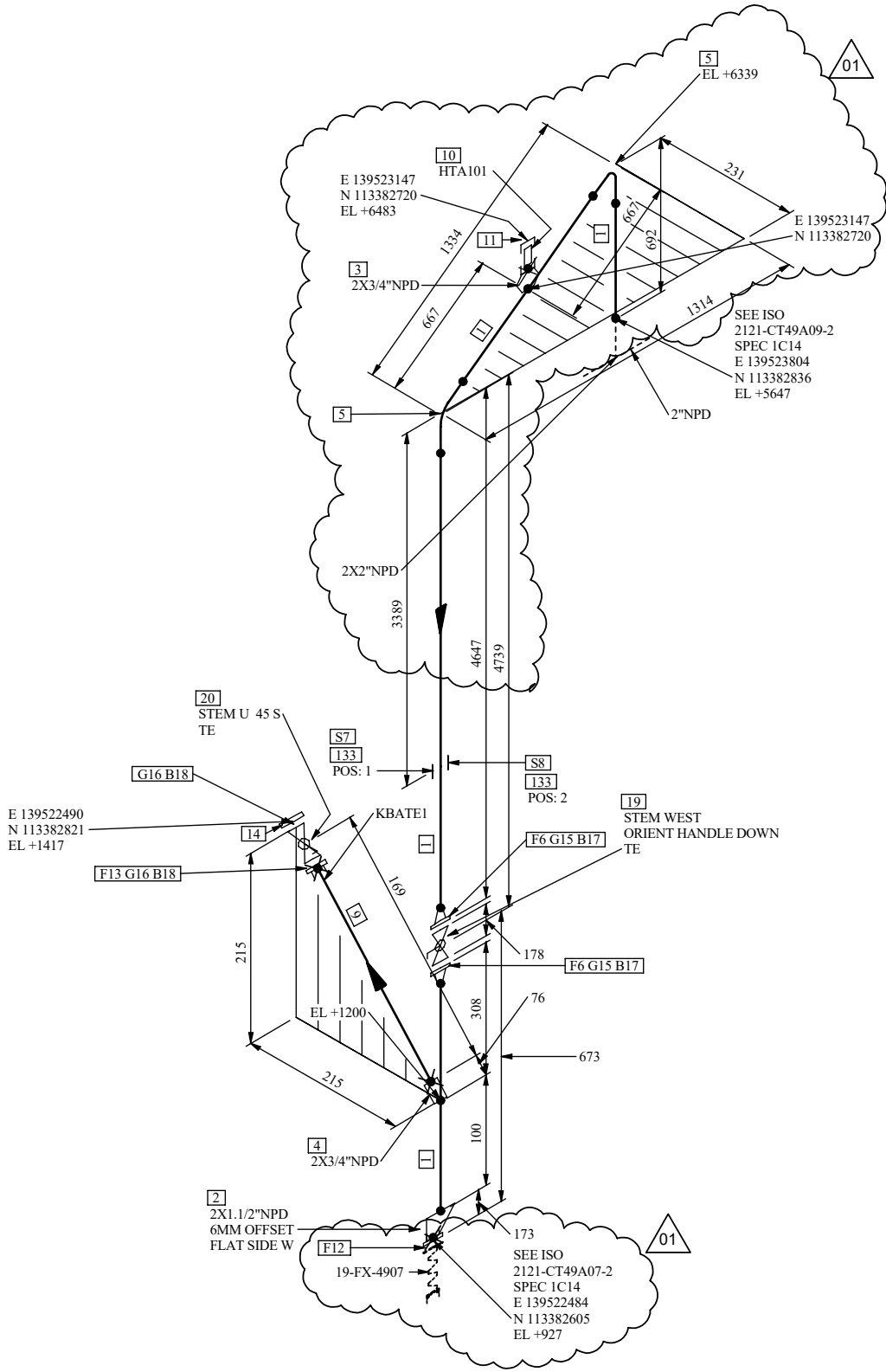











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EXTR. DATE: 23-08-2023 11:20:00    STREAM NO.:4553    STREAM REV. NO. : 10    REV. CAUSE ID: 23



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 , 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 PARTS LIST NO     PIPE SUPPORT     G=GUIDE     F=AXIAL STOP     B=ANCHOR     M=SPRING     S=TEFLON PAD  
WHERE  WITHOUT NUMBERING IS INDICATED, THIS MEANS THAT THERE IS A REST DIRECTLY ON STEEL STRUCTURE.

							STRESS CALC. N°
							-
01	ISSUED FOR CONSTRUCTION	24-AUG-23	U.CHAVAN	P.VAZE	G.PAGANONI		P & ID 19-A-19-000-1-01-00001 sheet 57
00	ISSUED FOR CONSTRUCTION	31-MAR-23	U.CHAVAN	P.VAZE	G.PAGANONI		LINE LIST N° 19-L-19-000-2-00-80602
REV.	DESCRIPTION	DATE	DRW. BY	CHECK BY	APPR. BY	APPR. CLIENT	PIPE LAYOUT N° 19-L-19-000-2-00-86196 sheet 1

APPROVED FOR  
CONSTRUCTION



Signature for construction is shown  
on Iso list of relevant CWA

TITLE  
**ISOMETRIC DRAWING  
LINE**

2"-CT-49A07-1C14

BILL OF MATERIAL

PT NO	COMPONENT DESCRIPTION	N.S. (IN)	ITEM CODE	QTY	HOLD STATUS
<b>PIPE</b>					
1	PIPE - A106-B BE SMLS T01AC03V02 S-STD <PIPA010B12STD> (L-7806)	2	I117862	5.0 M	
<b>FITTINGS</b>					
2	ECCENTRIC SWAGE MSS SP-95 - A234-WPB BE PE SMLS SCH1-STD SCH2-XS R22FQC04VZ15 <ESWA010GR14151316> (L-ESW27)	2X1.1/2	1920268	1	
3	REDUCING SOCKOLET MSS SP-97 3000# A105N BE SWE - R13DNC44V101 NREQD <SOKA300LB01411> (L-343)	2X3/4	17843411	1	
4	RED 45 LATROLET MSS SP-97/AA 3000# A105N BE SWE - R19HNC44V101 Undefined <LASA300LB01411> (L-368)	2X3/4	161607380	1	
5	90 ELBOW 10D ASME B16.9/AA A234-WPB BE SMLS C11SC04V01 S-STD <90AA200F72STD> (L-90A09)	2	11207832	2	
<b>FLANGES</b>					
6	WN FLANGE ASME B16.5 150# A105N RFFE BE 125 - 250 AARH F01CDC44BV05 S-STD <WNFA300R152STD> (L-149)	2	15355795	2	
<b>PIPE SUPPORTS</b>					
7	U BOLT (FOR GUIDE)-P02D	2	133	1	
8	WELDED BRACKET TO STRUCT. SB02 L100X100X10	2	133	1	
<b>PIPE</b>					
9	PIPE - A106-B PE SMLS T01AC03Z02 S-XS <PIPA010A13/4XS> (L-6679)	3/4	1132785	0.2 M	
<b>FITTINGS</b>					
10	NIPPLE - - A106-B PE MTE SMLS LENGTH 100mm R03AQC03ZW04 S-XS <NTOA010E1111624> (L-7888)	3/4	12221184	1	
11	CAP ASME B16.11 3000# A105N FTE NREQD - R41FNC442001 NREQD <CATA300KBK3/4> (L-79)	3/4	11651686	1	
<b>FLANGES</b>					
12	SW FLANGE ASME B16.5 150# A105N RFFE SWE 125 - 250 AARH F02CDC44B105 S-XS <SWFA300R1511/2XS> (L-295)	1.1/2	15378345	1	
13	SW FLANGE ASME B16.5 150# A105N RFFE SWE 125 - 250 AARH F02CDC44B105 S-XS <SWFA300R153/4XS> (L-295)	3/4	15378342	1	
14	BLIND FLANGE ASME B16.5 150# A105N RFFE NREQD 125 - 250 AARH F10CDC44B005 <BLFA300R153/4> (L-140)	3/4	11652356	1	
<b>GASKETS</b>					
15	SPIRAL WOUND GASKET ASME B16.20 150# RFFE 304/PTFE CARBON STEEL SS 304 ASME B16.5 G03GDB11IG12 <SPAQ505R1EA2> (L-SPA04)	2	12230484	2	
16	SPIRAL WOUND GASKET ASME B16.20 150# RFFE 304/PTFE CARBON STEEL SS 304 ASME B16.5 G03GDB11IG12 <SPAQ505R1EA3/4> (L-SPA04)	3/4	12230475	2	
<b>BOLTS</b>					
17	STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE I01OB0301 <SB2R51G5/831/2> - 2 NUTS PER BOLT - 85 mm Length	5/8	153437429	8	
18	STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE I01OB0301 <SB2R51G1/221/2> - 2 NUTS PER BOLT - 65 mm Length	1/2	153437190	8	
<b>VALVES / IN-LINE ITEMS</b>					
19	BALL VALVE API 608 150# A216-WCB RFFE 316/R-PTFE, GF B7/2H 125 - 250 AARH 2PSB-FULL BORE FLOATING BALL LE ASME B16.5 V04JDC29BTR NREQD <B42L-BA1434> (L-BA1434)	2	18683137	1	
20	BALL VALVE API 608 150# A216-WCB RFFE 316/R-PTFE, GF B7/2H 125 - 250 AARH 2PSB-FULL BORE FLOATING BALL OHW ASME B16.5 V04JDC29BZZG NREQD <N/A> (N/A)	3/4	110013686	1	

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. 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".				
CS						
HEAT TREATMENT (PWHT)						
N						
PAINTING SCHEME (3)		CONTRACTOR: 	CONTRACTOR DRAWING NUMBER:  4274-XH-DL-2121CT49A07-1	PROJECT:  4001008		
1						
PIPING CLASS						
1C14						
WELDING CLASS (4)		<div>LOW LINEAL DENSITY POLYETHYLENE (PEL) AND POLYPROPYLENE (PP) PLANTS FOR PROJECT - ALBA PROJECT</div> <div> CLIENT / COMPLEX REPSOL POLYMEROS/ SINES INDUSTRIAL COMPLEX</div>				
E-2						
PED CATEGORY						
I						
INSULATION CODE / THK. (mm)		ANNEX 19	SPEC. L	DRAWING NUMBER 19-000-2-02-00001 sheet 2121CT49A07-1		REV. 01
N                  0						