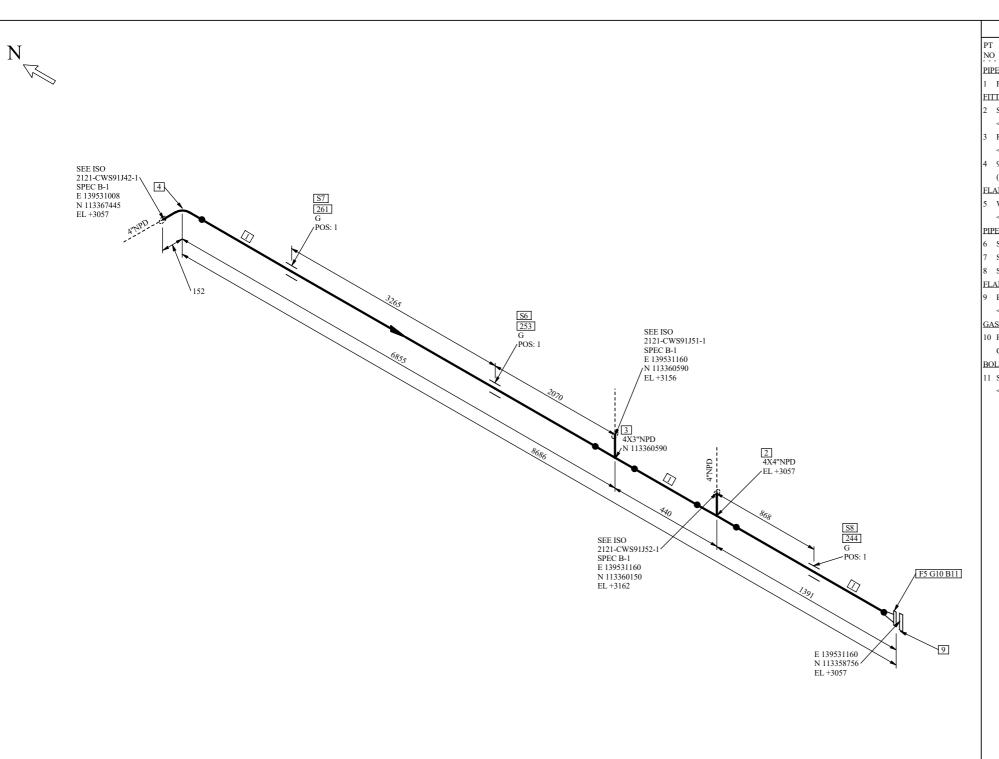
REMARKS FOR MECHANICAL SUBCONTRACTOR:

1) LINES 1.1/2" AND SMALLER SHALL BE SUPPORTED IN FIELD IF NOT OTHERWISE INDICATED.



BILL OF MATERIAL HOLD COMPONENT DESCRIPTION ITEM CODE QTY STATUS (IN) PIPE - A106-B BE SMLS T01AC03V02 S-STD < PIPA010B14STD > (L-7806) I117953 FITTINGS STRAIGHT TEE ASME B16.9 A234-WPB BE SMLS C31DC04V01 S-STD I129183 <TEBA200F316151615> (L-6955). REDUCING TEE ASME B16.9 A234-WPB BE SMLS C32DC04V02 S-STD x I213042 <TRBA200F316151515> (L-9917). 90 LR ELBOW ASME B16.9 A234-WPB BE SMLS C01DC04V01 S-STD <90LA200F34STD> I128635 (L-7955). FLANGES WN FLANGE ASME B16.5 150# A105N RFFE BE 125 - 250 AARH F01CDC44BV05 S-STD 15355796 <WNFA300R154STD> (L-149). PIPE SUPPORTS STANDARD GUIDE FOR NOT INS. PIPING-N1G1 253 STANDARD GUIDE FOR NOT INS. PIPING-N1G1 261 STANDARD GUIDE FOR NOT INS. PIPING-N1G1 FLANGES BLIND FLANGE ASME B16.5 150# A105N RFFE NREQD 125 - 250 AARH F10CDC44B005 I1652370 <BLFA300R154> (L-140). 10 FLAT RING GASKET ASME B16.21 150# RFTBE NA/ARAMIDIC/NBR ASME B16.5 I1169033 G02HDP2QR01 <NMGQ009R1FC4> (L-NMG11) 11 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

		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.									
1	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.									
ì l	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.									Si
;	DIDE - DESTRUCTION OF THE PROPERTY OF THE PROP									51
SUPPORTS LEGEND: Denotes Parts List no PIPE — A=resting support G=Gude F=Axial Stop B=Anchor M=spring S=terion pad where a many that there is a rest directly on steel structure.										
ı L	SUPPORTS LEGEND: SUPPORT — WHERE WITHOUT NUMBERING IS INDICATED, THIS MEANS THAT THERE IS A REST DIRECTLY ON STEEL STRUCTURE.									
; Г									STRESS CALC. Nº	TITI
									-	
ı⊢									P & ID	1 T
.										1
: ⊢									19-A-19-000-1-01-00001 sheet 107	-
: 1 .		ISSUED FOR CONSTRUCTION		20 7.11	U.CHAVAN	P.VAZE	G.PAGANONI		LINE LIST Nº	
, ,	00			20-JAN-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-19-000-2-00-86192 sheet 1	

Signature for construction is shown on Iso list of relevant CWA

APPROVED FOR

CONSTRUCTION

ISOMETRIC DRAWING LINE 4"-CWS-91J42-B-1

NOTES: 1. FOR TECHNICAL DETAILS SEE LINE LIST.

ANNEX

PIPE MATERIAL

HEAT TREATMENT (PWHT)

INSULATION CODE / THK. (mm)

CS

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

5. CODE SHOWN IN BOM BETWEEN "<" & ">" DENOTES REPSOL UNICODE. "<N/A>" MEANS UNICODE IS "NOT AVAILABLE"

PAINTING SCHEME (3) CONTRACTOR: CONTRACTOR DRAWING NUMBER: PROJECT:

DRAWING NUMBER

PIPING CLASS 4001008 4274-XH-DL-2121CWS91J42-2 WELDING CLASS (4) LOW LINEAL DENSITY POLYETHILENE (PEL) CLIENT / COMPLEX

AND POLYPROPYLENE (PP) PLANTS PED CATEGORY FOR PROJECT - ALBA PROJECT Art 4.3 REPSQL

REPSOL POLYMEROS/ SINES INDUSTRIAL COMPLEX

00

19-000-2-02-00001 sheet 2121CWS91J42-2