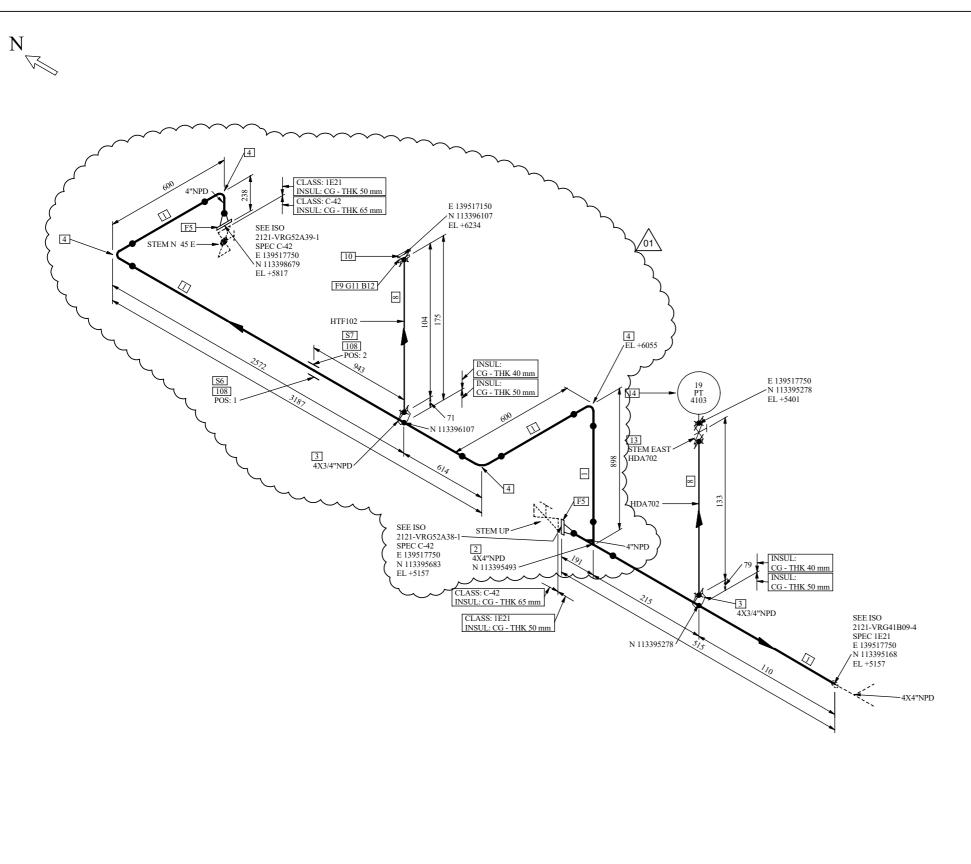
REV. CAUSE ID:

STREAM REV. NO.: 10

STREAM NO.:4570



D.T.		BILL OF MATER		,			1101 -
PT NO COMPONENT DESCRIPTION	)N		N.S (IN		EM CODE	QTY	HOLD STATUS
PIPE							
PIPE - A106-B BE SMLS T01AC	03V02 S-STD <pipa0< td=""><td>10B14STD&gt; (L-7806)</td><td>4</td><td>I</td><td>117953</td><td>4.4 M</td><td></td></pipa0<>	10B14STD> (L-7806)	4	I	117953	4.4 M	
F <u>ITTINGS</u> 2 STRAIGHT TEE ASME B16.9 A2	34-WPB BE SMLS. C	31DC04V01 S-STD	4X	74 I	129183	1	
<teba200f316151615> (L-6955)</teba200f316151615>	31260012.212			.125103	•		
REDUCING SOCKOLET MSS-SI	SWE - R13DNC44V101 NREC	QD 4X	I3/4 I	11651369	2		
<soka300lb01611> (L-343) 4 90 LR ELBOW ASME B16.9 A23</soka300lb01611>	4-WPR RESMIS CO	1DC04V01 \$-\$TD <901 A200F3	34STD> 4	ī	1128635	4	
(L-7955)	+WIB BE SMES CO.	IDC04V013-31D V0LA2001	7-31D> 4		1120033	7	
FLANGES.							
5 WN FLANGE ASME B16.5 300#	A105N RFFE BE 125	- 250 AARH F01CFC44BV05	S-STD 4	I	14272446	2	
<pre><wnfa300r354std>(L-236) PIPE SUPPORTS</wnfa300r354std></pre>							
6 RESTING SHOE CLAMPED,COI	D INSF2A1 H=150	L=300	4	1	108	1	
7 STAKES SUPPORTS ST01 HEA1	00		4	1	108	1	
<u>PIPE</u> 8 PIPE - A106-B PE SMLS T01AC	03702 S.XS <pipa010< td=""><td>)</td><td>3/4</td><td>1 ī</td><td>1132785</td><td>0.2 M</td><td></td></pipa010<>	)	3/4	1 ī	1132785	0.2 M	
FLANGES	33202 3-A3 4 II A010	A13/4A32 (L-0077)	3/-		1132763	0.2 141	
9 SW FLANGE ASME B16.5 300# A	A105N RFFE SWE 12:	5 - 250 AARH F02CFC44B105	S-XS 3/4	4 I	19762190	1	
<swfa300r353 4xs=""> (L-375) 10 BLIND FLANGE ASME B16.5 30</swfa300r353>	0# Δ105N REEE NRE	OD 125 - 250 AARH E10CEC	14B005 3/4	1 1	11652375	1	
SELFA300R353/4> (L-143)	OIT CLUVIN KEFE INKE	ANT FIUCTCA	2/4 د00عت	. 1	110545/3	1	
<u>GASKETS</u>							
11 SPIRAL WOUND GASKET ASM		E 304/GRAFOIL CARBON STE	EEL SS 304 3/4	4 I	63508950	1	
ASME B16.5 G03GFP1IS12 < N/A BOLTS	1 (IN/A)						
12 STUD BOLTS&NUTS ASME B1	8.31.2/ B18.2.2 A193-E	37/A194-2H INCH SIZE 1010E	30301 5/8	3 I	53437418	4	
<sb2r51g5 4="" 831=""> - 2 NUTS PE</sb2r51g5>	R BOLT - 80 mm Len	gth					
<u>VALVES / IN-LINE ITEMS</u> 13 GATE VALVE API 602 800# A10	5N SWF SWF 8_E6.8-1	HF WB-OS&V SOW ADI 602 U	W 3/4	1 1	10015418	1	
V01GIC4411BL NREQD < G63 4			, 3/4	. 1			
	,						
			3/4	4 1	19-PT-4103	1	
			3/4	<b>4</b> 1	19-PT-4103	1	
PIPE MATERIAL  CS HEAT TREATMENT (PWHT)	2. FOR VE 3. WELDI 4. PAINTI	CHNICAL DETAILS SEE LINE LIST. ENT, DRAIN OR INSTRUMENT CONNE NG ACCORDING TO 45-L-45-000-2-00-4 NG ACCORDING TO 45-A-45-000-1-00-	CTION DETAILS SE	E 45-L-45-000-2	2-00-80102.		
HEAT TREATMENT (PWHT)	2. FOR VE 3. WELDI 4. PAINTI	ENT, DRAIN OR INSTRUMENT CONNE NG ACCORDING TO 45-L-45-000-2-00-8	CTION DETAILS SE	E 45-L-45-000-2	2-00-80102.		'AILABLE".
PIPE MATERIAL  CS HEAT TREATMENT (PWHT)	2. FOR VE 3. WELDI 4. PAINTI	ENT, DRAIN OR INSTRUMENT CONNE NG ACCORDING TO 45-L-45-000-2-00-3 NG ACCORDING TO 45-A-45-000-1-00- HOWN IN BOM BETWEEN "<" & ">" DI	CTION DETAILS SE 30021. 20160. ENOTES REPSOL U	E 45-L-45-000-;	2-00-80102.		/AILABLE".
PIPE MATERIAL  CS HEAT TREATMENT (PWHT)  N  PAINTING SCHEME (3)  20	2. FOR VE 3. WELDI 4. PAINTI 5. CODE S	ENT, DRAIN OR INSTRUMENT CONNE NG ACCORDING TO 45-L-45-000-2-00-4 NG ACCORDING TO 45-A-45-000-1-00- HOWN IN BOM BETWEEN "<" & ">" DI  CONTRACTOR  4274_VH_DI	CTION DETAILS SE 80021. 20160. ENOTES REPSOL U DRAWING I	EE 45-L-45-000-: NICODE: " <n a<="" td=""><td>2-00-80102</td><td>CODE IS "NOT AV</td><td></td></n>	2-00-80102	CODE IS "NOT AV	
PIPE MATERIAL  CS HEAT TREATMENT (PWHT)  N  PAINTING SCHEME (3)  20  PIPING CLASS  1E21  WELDING CLASS (4)	2. FOR VE 3. WELDI 4. PAINTI 5. CODE S  CONTRACTOR  Tecnii	ENT, DRAIN OR INSTRUMENT CONNE NG ACCORDING TO 45-L-45-000-2-00-4 ING ACCORDING TO 45-A-45-000-1-00- HOWN IN BOM BETWEEN "<" & ">" DI  CONTRACTOR  4274-XH-DL  LINEAL DENSITY	CTION DETAILS SE 50021. 20160. ENOTES REPSOL U  DRAWING 1  J-2121VRC  POLYETH	ee 45-145-000: NICODE: " <n a<br="">NUMBER 541B09-1 IILENE (</n>	2-00-80102. 2-00-80102. 1 PRO  (PEL) C	CODE IS "NOT AV	08
PIPE MATERIAL  CS HEAT TREATMENT (PWHT)  N PAINTING SCHEME (3)  20 PIPING CLASS  1E21  WELDING CLASS (4)  E	2. FOR VE 3. WELDI 4. PAINTI 5. CODE S  CONTRACTOR  Tecnii	ENT, DRAIN OR INSTRUMENT CONNE NG ACCORDING TO 45-L-45-000-2-00-4 ING ACCORDING TO 45-A-45-000-1-00- HOWN IN BOM BETWEEN "<" & ">" DI  CONTRACTOR  4274-XH-DL  LINEAL DENSITY  AND POLYPROPYL	CTION DETAILS SE 10021. 20160. ENOTES REPSOL U  DRAWING 1  -2121VRC  POLYETH  ENE (PP) 1	ee 45-L-45-000-2 NICODE. **NI/A NUMBER 541B09-1 IILENE PLANTS	2-00-80102.  2-00-80102.  PRO  (PEL) C	CODE IS "NOT AV DJECT: 400100	)8 DMPLE
PIPE MATERIAL  CS HEAT TREATMENT (PWHT)  N  PAINTING SCHEME (3)  20  PIPING CLASS  1E21  WELDING CLASS (4)	2. FOR VE 3. WELDI 4. PAINTI 5. CODE S  CONTRACTOR  Tecnii	ENT, DRAIN OR INSTRUMENT CONNE NG ACCORDING TO 45-L-45-000-2-00-4 ING ACCORDING TO 45-A-45-000-1-00- HOWN IN BOM BETWEEN "<" & ">" DI  CONTRACTOR  4274-XH-DL  LINEAL DENSITY	CTION DETAILS SE 10021. 20160. ENOTES REPSOL U  DRAWING 1  -2121VRC  POLYETH  ENE (PP) 1	ee 45-L-45-000-2 NICODE. **NI/A NUMBER 541B09-1 IILENE PLANTS	2-00-80102.  2-00-80102.  1 PRO  (PEL) C  F	CODE IS "NOT AV DJECT: 400100	08 DMPLEX MEROS/
PIPE MATERIAL  CS  HEAT TREATMENT (PWHT)  N  PAINTING SCHEME (3)  20  PIPING CLASS  1E21  WELDING CLASS (4)  E  PED CATEGORY	2. FOR VE 3. WELDI 4. PAINTI 5. CODE S  CONTRACTOR  Tecnii  LOW	ENT, DRAIN OR INSTRUMENT CONNE NG ACCORDING TO 45-L-45-000-2-00-4 ING ACCORDING TO 45-A-45-000-1-00- HOWN IN BOM BETWEEN "<" & ">" DI  CONTRACTOR  4274-XH-DL  LINEAL DENSITY  AND POLYPROPYL	CTION DETAILS SE 50021.  ENOTES REPSOL U  DRAWING I  J-2121 VRC  POLYETH  ENE (PP) I  ALBA PRO  MBER	nicode. **N/A NUMBER 641B09-1 IILENE PLANTS JECT	2-00-80102.  2: PRO  1  (PEL) C  S F  SINE	CODE IS "NOT AVOJECT:  400100  LIENT / CCEPSOL POLY S INDUSTRIAL	08 DMPLEX MEROS/

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-000000603). 9) WHERE EARTHING BONDING IS REQUIRED, MECHANICAL SUBCONTRACTOR IT BASED ON DOC. 45-P-000-7-06-00902/ 4274-NN-DW-00000002 AND ASSEMBLY NO FEA005 AND FE019.									Signature for construction is shown
	SUPPORTS LEGEND:  Denotes parts list no pipe — A=resting support G=guide F=axial stop B=anchor M=spring S=tehlon pad where a without numbering is indicated, this means that there is a rest directly on steel structure.								Signature for construction is shown on Iso list of relevant CWA
3								STRESS CALC. Nº	TITLE
								-	ICOMETDIC DD AWING
į	01	ISSUED FOR CONSTRUCTION	18-AUG-23	M.YADAV	P.VAZE	G.PAGANONI		P & ID 19-A-19-000-1-01-00001 sheet 53	ISOMETRIC DRAWING
	00	ISSUED FOR CONSTRUCTION	27-JAN-23	M.YADAV	P.VAZE	G.PAGANONI		LINE LIST N° 19-L-19-000-2-00-80602	LINE
	REV.	DESCRIPTION	DATE	DRW. BY	CHECK BY	APPR. BY	ADDD CLIENT	PIPE LAYOUT N° 19-L-19-000-2-00-86197 sheet 2	4"-VRG-41B09-1E21 (CG)

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.

ISOMETRIC DRAWING LINE 4"-VRG-41B09-1E21 (CG)

APPROVED FOR CONSTRUCTION