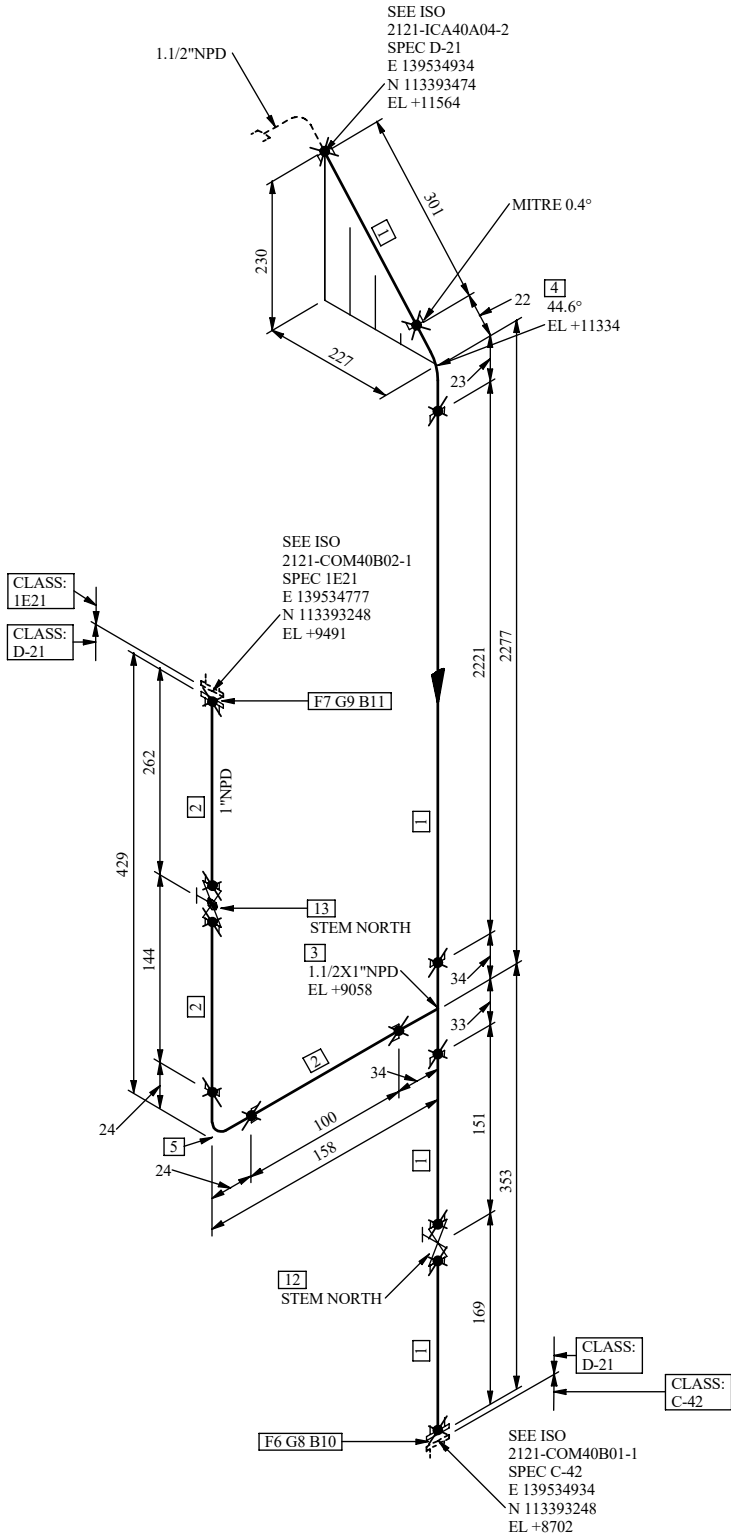
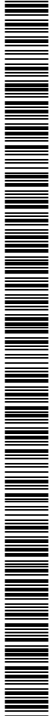


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EXTR. DATE: 14-12-2023 13:09:14

STREAM NO.:4020

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 A=RESTING 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 REFERENCE	15-DEC-23	M.YADAV	P.VAZE	G.PAGANONI		P & ID 19-A-19-000-1-01-00001 sheet 28
00	ISSUED FOR REFERENCE	05-MAY-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-19-000-2-00-86197 sheet 3

ISSUED FOR REFERENCE



Signature for construction is shown on Iso list of relevant CWA

ISOMETRIC DRAWING LINE

1-1/2"-ICA-40A04-D-21

BILL OF MATERIAL

PT NO	COMPONENT DESCRIPTION	N.S. (IN)	ITEM CODE	QTY	HOLD STATUS
PIPE					
1	PIPE - A106-B PE SMLS T01AC03Z02 S-XS <PIPA010A111/2XS> (L-6679)	1.1/2	I132809	2.8 M	
2	PIPE - A106-B PE SMLS T01AC03Z02 S-XS <PIPA010A11XS> (L-6679)	1	I132793	0.4 M	
FITTINGS					
3	REDUCING TEE ASME B16.11 3000# A105N SWE SWE - R12FNC441101 NREQD <RTEA300KBK11/21> (L-RTE15)	1.1/2X1	I1651307	1	
4	45 ELBOW ASME B16.11 3000# A105N SWE SWE - R32FNC441101 NREQD <45FA300LBK11/2> (L-184)	1.1/2	I1651293	1	
5	90 ELBOW ASME B16.11 3000# A105N SWE SWE - R31FNC441103 NREQD <90FA300LBK1> (L-178)	1	I1651296	1	
FLANGES					
6	SW FLANGE ASME B16.5 600# A105N RFFE SWE 125 - 250 AARH F02CHC44B105 S-XS <SWFA30046511/2XS> (L-376)	1.1/2	19805899	1	
7	SW FLANGE ASME B16.5 600# A105N RFFE SWE 125 - 250 AARH F02CHC44B105 S-XS <SWFA3004651XS> (L-376)	1	19805881	1	
GASKETS					
8	SPIRAL WOUND GASKET ASME B16.20 600# RFTBE 316/GRAP CARBON STEEL SS 316 ASME B16.5 G03GHP11A01 <SPWQ40046EA11/2> (L-1529)	1.1/2	I1256220	1	
9	SPIRAL WOUND GASKET ASME B16.20 600# RFTBE 316/GRAP CARBON STEEL SS 316 ASME B16.5 G03GHP11A01 <SPWQ40046EA1> (L-1529)	1	I1256218	1	
BOLTS					
10	STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE I01OB0301 <SB2R51G3/441/4> - 2 NUTS PER BOLT - 110 mm Length	3/4	153437465	4	
11	STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE I01OB0301 <SB2R51G5/831/2> - 2 NUTS PER BOLT - 90 mm Length	5/8	153437440	4	
VALVES / IN-LINE ITEMS					
12	GATE VALVE API 602 800# A105N SWE SWE 5-HARDFACED API 602 B7/2H BB-OS&Y SOW API 602 HW V01GIC441111 NREQD <G611_2L-6566> (L-6566)	1.1/2	I11426467	1	
13	GLOBE VALVE API 602 800# A105N SWE SWE 5-HARDFACED API 602 B7/2H BB-OS&Y API 602 HW V02GIC441162 NREQD <A61L-296> (L-296)	1	I11426473	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:	PROJECT:	
1					4274-XH-DL-2121ICA40A04-1	4001008	
PIPING CLASS			LOW LINEAL DENSITY POLYETHYLENE (PEL) AND POLYPROPYLENE (PP) PLANTS FOR PROJECT - ALBA PROJECT				CLIENT / COMPLEX REPSOL POLYMEROS/ SINES INDUSTRIAL COMPLEX
D-21							
WELDING CLASS (4)							
E							
PED CATEGORY							
II							
INSULATION CODE / THK. (mm)		ANNEX 19	SPEC. L	DRAWING NUMBER 19-000-2-02-00001 sheet 2121ICA40A04-1			REV. 01
N 0							