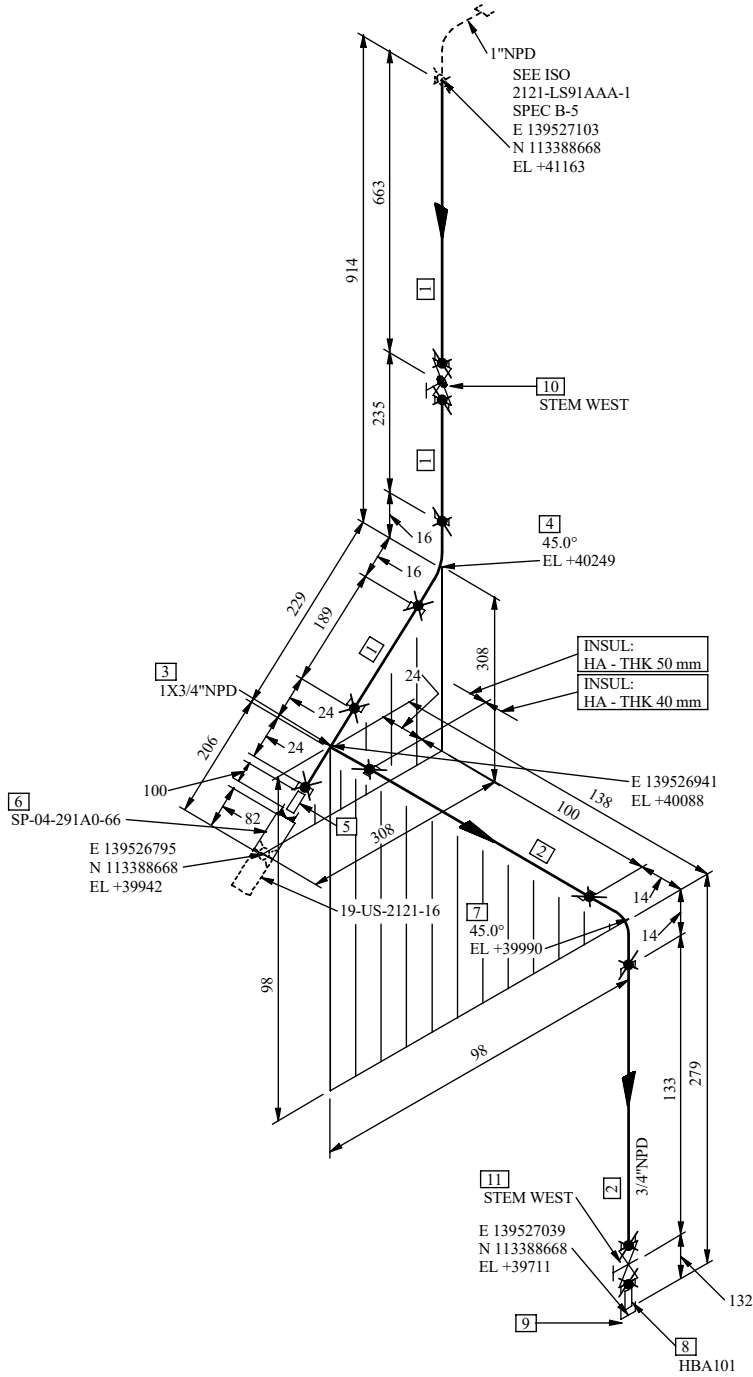


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EXTR. DATE: 31-10-2023 14:20:45 STREAM NO.: 3150 CWA NO.: 10 REV. CAUSE ID:



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 FE0A05 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 H WITHOUT NUMBERING IS INDICATED, THIS MEANS THAT THERE IS A REST DIRECTLY ON STEEL STRUCTURE.

						STRESS CALC. N°
						P & ID
						19-A-19-000-1-01-00001 sheet 117
00	ISSUED FOR REFERENCE	31-OCT-23	M.YADAV	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 9

ISSUED FOR REFERENCE


Signature for construction is shown on Iso list of relevant CWA

ISOMETRIC DRAWING LINE

1"-LS-91AAA-B-5 (HA)

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 <PIPA010A11XS> (L-6679)	1	I132793	1.0 M	
2	PIPE - A106-B PE SMLS T01AC03Z02 S-XS <PIPA010A13/4XS> (L-6679)	3/4	I132785	0.3 M	
FITTINGS					
3	REDUCING TEE ASME B16.11 3000# A105N SWE SWE - R12FNC441101 NREQD <RTEA300KBK13/4> (L-RTE15)	1X3/4	I1651305	1	
4	45 ELBOW ASME B16.11 3000# A105N SWE SWE - R32FNC441101 NREQD <45FA300LBK1> (L-184)	1	I1651292	1	
5	NIPPLE - - A106-B PE MTE SMLS LENGTH 100mm R03AQC03ZW04 S-160 <NTOA010E1120324> (L-7881)	1	I2221187	1	
6	SPECIALTY COMPONENT	1	SP-04-291A0-66	1	
7	45 ELBOW ASME B16.11 3000# A105N SWE SWE - R32FNC441101 NREQD <45FA300LBK3/4> (L-184)	3/4	I1651294	1	
8	NIPPLE - - A106-B PE MTE SMLS LENGTH 100mm R03AQC03ZW04 S-160 <NTOA010E1110324> (L-7881)	3/4	I2221177	1	
9	CAP ASME B16.11 3000# A105N FTE NREQD - R41FNC442001 NREQD <CATA300KBK3/4> (L-79)	3/4	I1651686	1	
VALVES / IN-LINE ITEMS					
10	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	
11	GATE VALVE API 602 800# A105N SWE SWE 5-HARDFACED API 602 B7/2H BB-OS&Y SOW API 602 HW V01GIC441111 NREQD <G63_4L-6566> (L-6566)	3/4	I11426464	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)						
20		CONTRACTOR: 	CONTRACTOR DRAWING NUMBER: 4274-XH-DL-2121LS91AAA-2	PROJECT: 4001008		
PIPING CLASS						
B-5						
WELDING CLASS (4)		LOW LINEAL DENSITY POLYETHYLENE (PEL) AND POLYPROPYLENE (PP) PLANTS FOR PROJECT - ALBA PROJECT				
E						
PED CATEGORY		CLIENT / COMPLEX REPSOL POLYMEROS/ SINES INDUSTRIAL COMPLEX				
Art 4.3						
INSULATION CODE / THK. (mm)		ANNEX 19		SPEC. L	DRAWING NUMBER 19-000-2-02-00001 sheet 2121LS91AAA-2	REV. 00
HA 50						