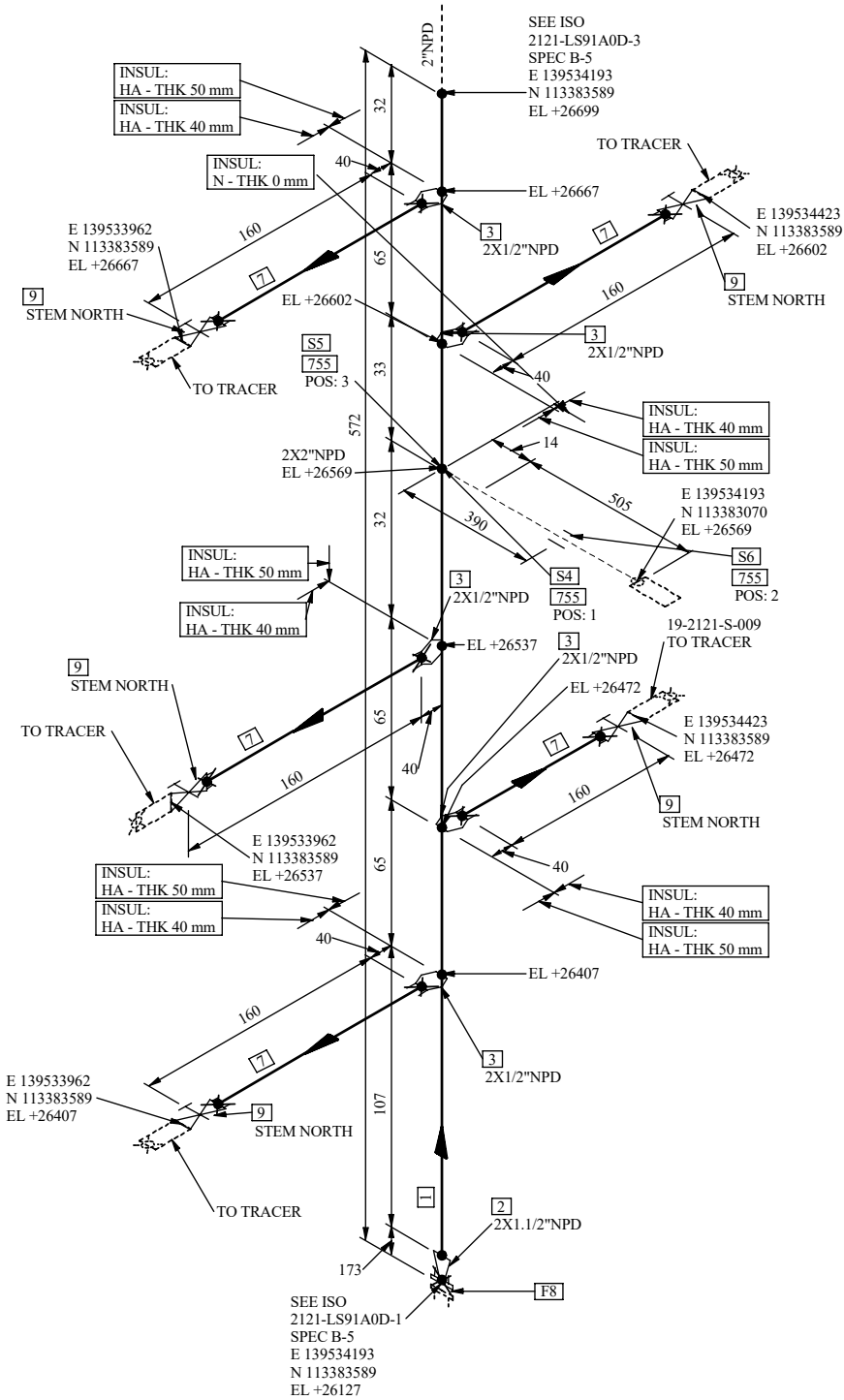


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EXTR. DATE: 23-01-2024 16:55:45





STREAM NO.:3150

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 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°
							-
							P & ID
							19-A-19-000-1-01-00001 sheet 117
							LINE LIST N°
							19-L-19-000-2-00-80602
							PIPE LAYOUT N°
							19-L-19-000-2-00-86196 sheet 7
00	ISSUED FOR CONSTRUCTION	25-JAN-24	M.YADAV	P.VAZE	G.PAGANONI		
REV.	DESCRIPTION	DATE	DRW. BY	CHECK BY	APPR. BY	APPR. CLIENT	

APPROVED FOR
CONSTRUCTION


Signature for construction is shown
on Iso list of relevant CWA

ISOMETRIC DRAWING
LINE

2"-LS-91A0D-B-5 (HA)

BILL OF MATERIAL

PT NO	COMPONENT DESCRIPTION	N.S. (IN)	ITEM CODE	QTY	HOLD STATUS
PIPE					
1	PIPE - A106-B BE SMLS T01AC03V02 S-XS <PIPA010B12XS> (L-6679)	2	I117863	0.4 M	
FITTINGS					
2	CONCENTRIC SWAGE MSS SP-95 - A234-WPB BE PE SMLS SCH1-XS SCH2-XS R21FQC04VZ01 <CSWA010GR14161316> (L-CSW29)	2X1.1/2	1919590	1	
3	REDUCING SOCKOLET MSS-SP-97 3000# A105N BE SWE - R13DNC44V101 NREQD <SOKA300LB01410> (L-343)	2X1/2	11651331	5	
PIPE SUPPORTS					
4	WELDED EXTENSIONS-EW05 DN2 = 1.5 L = 490	2	755	1	
5	STAKES SUPPORTS ST01 HEA100	2	755	1	
6	GUIDE AND STOP HORIZ VERT SUPPORT-N1B1	2	755	1	
PIPE					
7	PIPE - A106-B PE SMLS T01AC03Z02 S-XS <PIPA010A11/2XS> (L-6679)	1/2	1132777	0.7 M	
FLANGES					
8	SW FLANGE ASME B16.5 150# A105N RFFE SWE 125 - 250 AARH F02CDC44B105 S-XS <SWFA300R1511/2XS> (L-295)	1.1/2	15378345	1	
VALVES / IN-LINE ITEMS					
9	GATE VALVE API 602 800# A105N SWE SWE 5-HARDFACED API 602 B7/2H BB-OS&Y SOW 1/2 API 602 HW V01GIC441111 NREQD <G61_2L-6566> (L-6566)		111426463	5	

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:
PIPING CLASS	B-5		4274-XH-DL-2121LS91A0D-2
WELDING CLASS (4)	E	PROJECT:	
PED CATEGORY	Art 4.3	4001008	
INSULATION CODE / THK. (mm)	HA 50	LOW LINEAL DENSITY POLYETHYLENE (PEL) AND POLYPROPYLENE (PP) PLANTS FOR PROJECT - ALBA PROJECT	
ANNEX 19	SPEC. L	DRAWING NUMBER 19-000-2-02-00001 sheet 2121LS91A0D-2	
REV. 00			