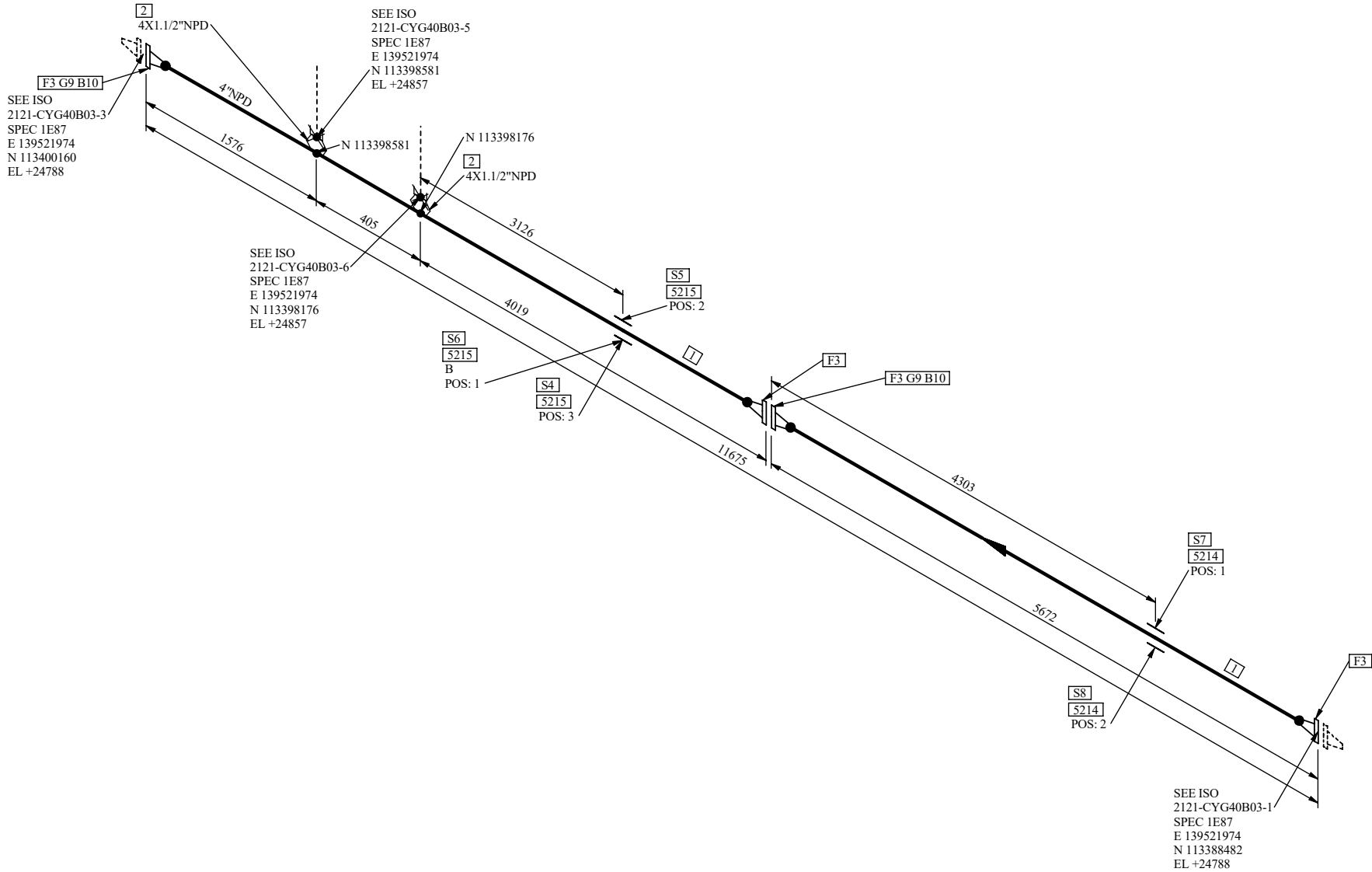


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EXTR. DATE: 05-07-2023 14:01:52

STREAM NO.:4513

REV. CAUSE ID: 8



BILL OF MATERIAL

PT NO	COMPONENT DESCRIPTION	N.S. (IN)	ITEM CODE	QTY	HOLD STATUS
PIPE					
1	PIPE - A106-B BE SMLS T01AC03V02 S-STD <PIPA010B14STD> (L-7806)	4	I117953	11.4 M	
FITTINGS					
2	REDUCING SOCKOLET MSS-SP-97 3000# A105N BE SWE - R13DNC44V101 NREQD <SOKA300LB01613> (L-343)	4X1.1/2	I1651322	2	
FLANGES					
3	WN FLANGE ASME B16.5 300# A105N RFFE BE 125 - 250 AARH F01CFC44BV05 S-STD <WNFA300R354STD> (L-236)	4	14272446	4	
PIPE SUPPORTS					
4	PIPING SUPPORT - BEAMS- BE03 HEA120	4	5215	1	
5	VERT.TRESTLES WELDED TO STR TR34 HEA120	4	5215	1	
6	WELDED ANCHOR -C1B1 H = 100 L = 120	4	5215	1	
7	RESTING SHOE WELDED -C1A1 H = 100 L = 300	4	5214	1	
8	VERT.TRESTLES WELDED TO STR TR34 HEA100	4	5214	1	
GASKETS					
9	SPIRAL WOUND GASKET ASME B16.20 300# RFTBE 316/GRAFOIL CARBON STEEL SS 316 ASME B16.5 G03GFP11Q01 <SPAQ504R3EA4> (L-SPA01)	4	160146999	2	
BOLTS					
10	STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE 1010B0301 <SB2R51G3/441/2> - 2 NUTS PER BOLT - 115 mm Length	3/4	153437466	16	

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° REP-PE-002
01	ISSUED FOR CONSTRUCTION	06-JUL-23	M.YADAV	P.VAZE	G.PAGANONI		P & ID 19-A-19-000-1-01-00001 sheet 29
00	ISSUED FOR CONSTRUCTION	30-DEC-22	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 6

APPROVED FOR
CONSTRUCTION

Signature for construction is shown
on Iso list of relevant CWA

TITLE
**ISOMETRIC DRAWING
LINE**

4"-CYG-40B03-1E87 (WS)

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:	PROJECT:
PIPING CLASS 1E87			4274-XH-DL-2121CYG40B03-2	4001008
WELDING CLASS (4) A-1		LOW LINEAL DENSITY POLYETHYLENE (PEL) AND POLYPROPYLENE (PP) PLANTS FOR PROJECT - ALBA PROJECT		
PED CATEGORY II				
INSULATION CODE / THK. (mm) WS 50		ANNEX 19	SPEC. L	DRAWING NUMBER 19-000-2-02-00001 sheet 2121CYG40B03-2
				REV. 01