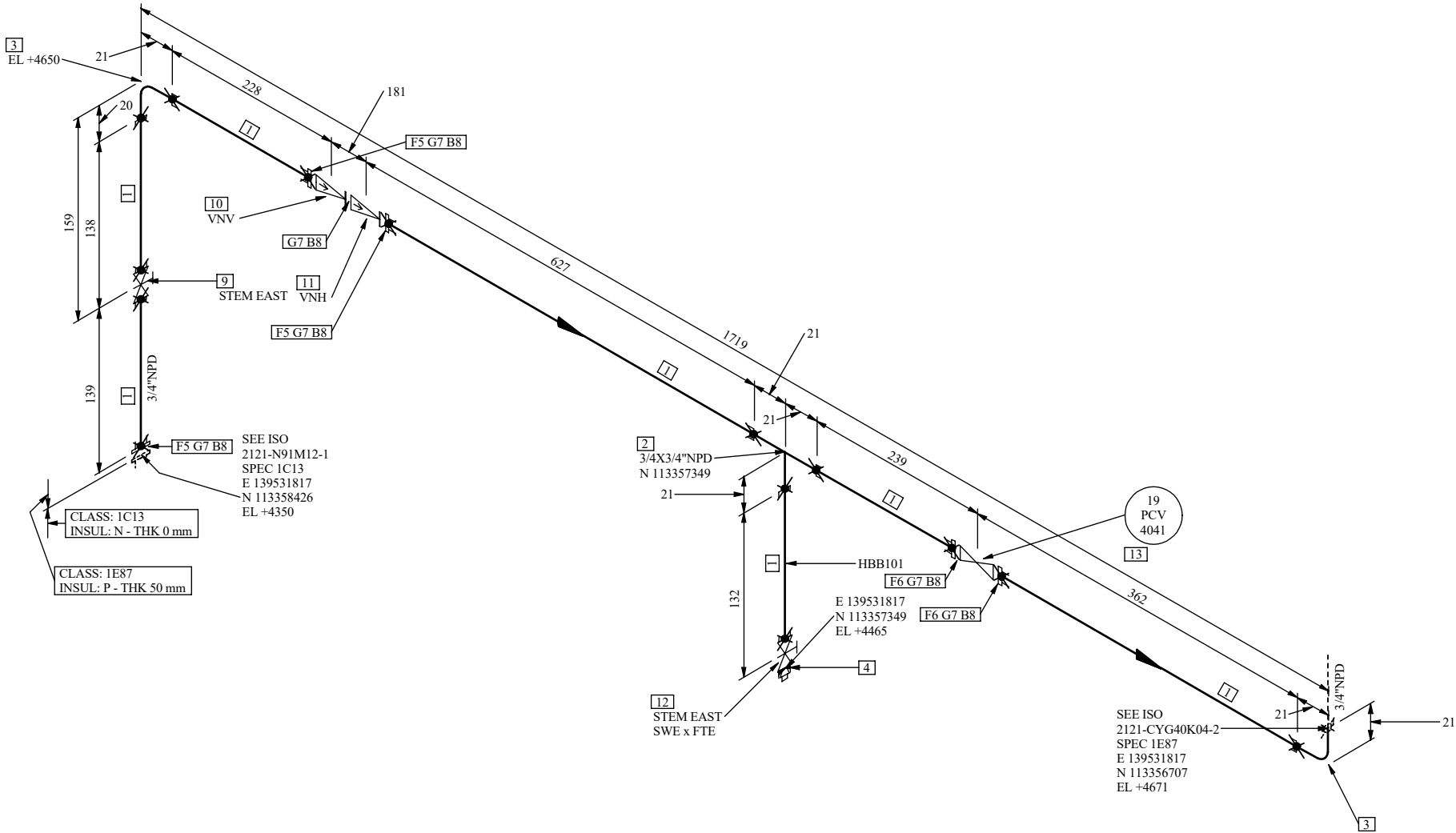


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EXTR. DATE: 17-02-2024 13:22:58





STREAM NO.:4513

REV. CAUSE ID: 9



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.

REV.	DESCRIPTION	DATE	DRW. BY	CHECK BY	APPR. BY	APPR. CLIENT	STRESS CALC. N° - P & ID 19-A-19-000-1-01-00001 sheet 41 LINE LIST N° 19-L-19-000-2-00-80602 PIPE LAYOUT N° 19-L-19-000-2-00-86192 sheet 2
01	ISSUED FOR REFERENCE	16-FEB-24	M.YADAV	P.VAZE	G.PAGANONI		
00	ISSUED FOR REFERENCE	28-APR-23	U.CHAVAN	P.VAZE	G.PAGANONI		

ISSUED FOR  
REFERENCE



Signature for construction is shown  
on Iso list of relevant CWA

ISOMETRIC DRAWING  
LINE

3/4"-CYG-40K04-1E87 (P)

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 <PIPA010A13/4XS> (L-6679)	3/4	I132785	1.3 M	
FITTINGS					
2	TEE ASME B16.11 3000# A105N SWE SWE - R11FNC441101 NREQD <TESA300LBK3/4> (L-179)	3/4X3/4	I1651300	1	
3	90 ELBOW ASME B16.11 3000# A105N SWE SWE - R31FNC441103 NREQD <90FA300LBK3/4> (L-178)	3/4	I1651298	2	
4	PLUG ROUND HEAD ASME B16.11 - A105N MTE NREQD - R42FQC44W001 NREQD <PLUA300CK3/4> (L-77)	3/4	I10088232	1	
FLANGES					
5	SW FLANGE ASME B16.5 300# A105N RFFE SWE 125 - 250 AARH F02CFC44B105 S-XS <SWFA300R353/4XS> (L-375)	3/4	I9762190	3	
6	SW FLANGE ASME B16.5 300# A105N RFFE SWE 125 - 250 AARH F02CFC44B105 S-XS <SWFA300R353/4XS> (L-375).	3/4	I9762190	2	
GASKETS					
7	SPIRAL WOUND GASKET ASME B16.20 300# RFTBE 316/GRAFOIL CARBON STEEL SS 316 ASME B16.5 G03GFP11Q01 <SPAQ504R3EA3/4> (L-SPA01)	3/4	I60205406	6	
BOLTS					
8	STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE I01OB0301 <SB2R51G5/831/4> - 2 NUTS PER BOLT - 80 mm Length	5/8	I53437418	24	
VALVES / IN-LINE ITEMS					
9	GATE VALVE API 602 800# A105N SWE SWE 8-F6&HF WB-OS&Y SOW PTFE HW V01GIC4411BM4 NREQD <G63_4L-GA1423A> (L-GA1423A)	3/4	I63559255	1	
10	BALL CHECK VALVE BS 1868 300# A105N RF 316/VITON BS 1868 B7/2H 125 - 250 AARH BC SS, NS VERTICAL ASME B16.5 V27EFC44BFK NREQD <N/A> (N/A)	3/4	I65589613	1	
11	BALL CHECK VALVE BS 1868 300# A105N RF 316/VITON BS 1868 B7/2H 125 - 250 AARH BC SS, NS HORIZONTAL ASME B16.5 V27EFC44BGK NREQD <N/A> (N/A)	3/4	I65589622	1	
12	GATE VALVE API 602 800# A105N SWE FTE 8-F6&HF WB-OS&Y SOW PTFE HW V01GIC4412BM4 NREQD <G73_4L-GA1424A> (L-GA1424A)	3/4	I63559275	1	
INSTRUMENTS					
13	INSTRUMENT COMPONENT	3/4	I9-PCV-4041	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 (PWHIT)					
N					
PAINTING SCHEME (3)		CONTRACTOR: 	CONTRACTOR DRAWING NUMBER: 4274-XH-DL-2121CYG40K04-1	PROJECT: 4001008	
1					
PIPING CLASS					
1E87					
WELDING CLASS (4)		 <div>LOW LINEAL DENSITY POLYETHYLENE (PEL) AND POLYPROPYLENE (PP) PLANTS FOR PROJECT - ALBA PROJECT</div> <div>CLIENT / COMPLEX REPSOL POLYMEROS/ SINES INDUSTRIAL COMPLEX</div>			
A-1					
PED CATEGORY					
Art 4.3					
INSULATION CODE / THK. (mm)		ANNEX 19	SPEC. L	DRAWING NUMBER 19-000-2-02-00001 sheet 2121CYG40K04-1	REV. 01
P 50					