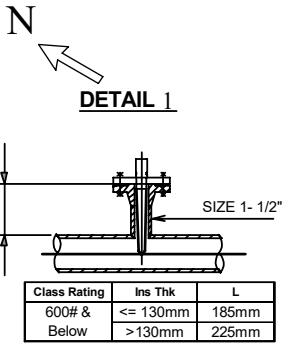


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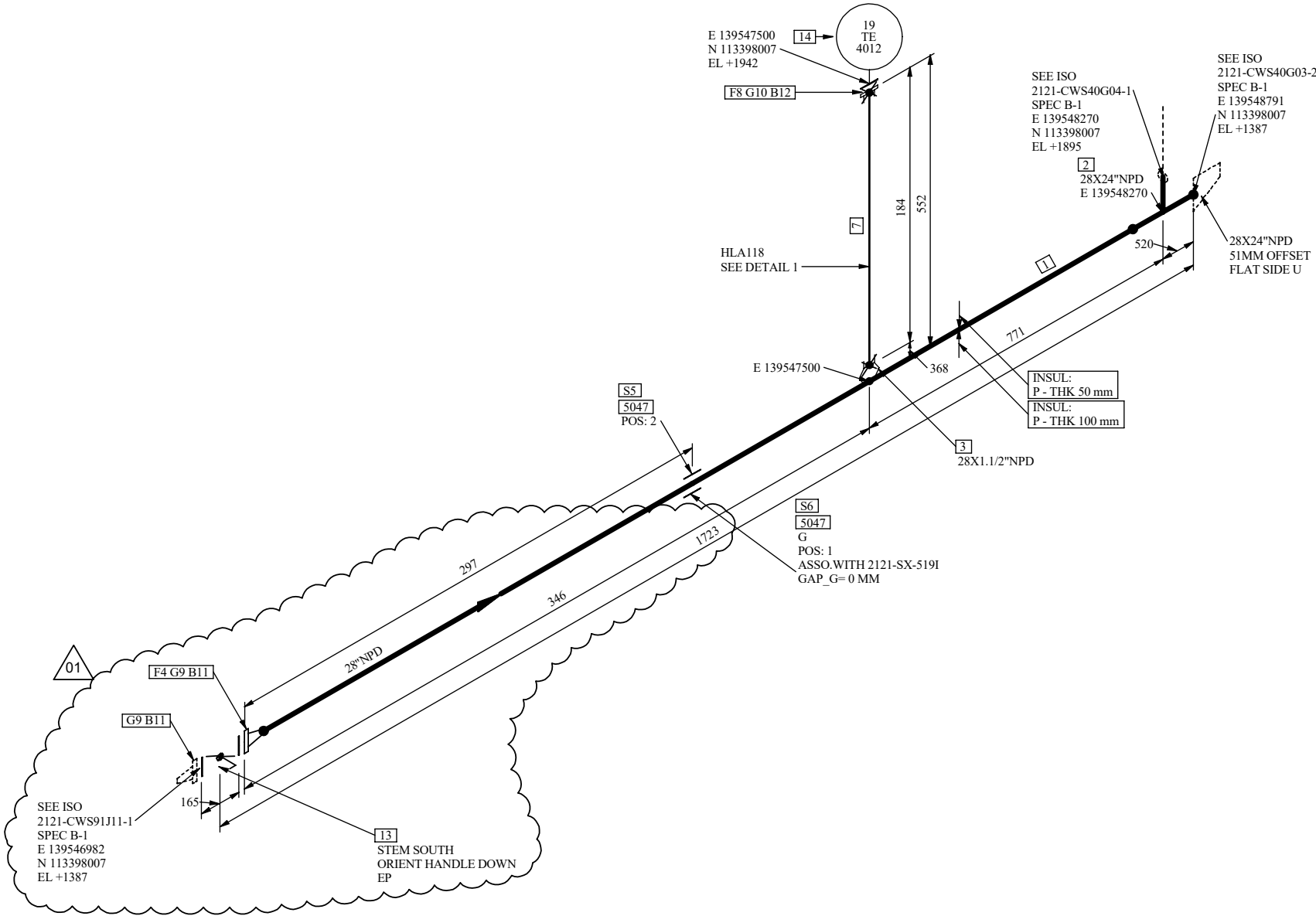
EXTR. DATE: 08-06-2023 09:25:36

STREAM NO.:4104

REV. CAUSE ID: 3



DETAIL FOR TEMPERATURE TAP ON LINE



**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° REP-PE-008
01	ISSUED FOR CONSTRUCTION	02-JUN-23	M.YADAV	P.VAZE	G.PAGANONI		P & ID 19-A-19-000-1-01-00001 sheet 37
00	ISSUED FOR CONSTRUCTION	20-JAN-23	U.CHAVAN	P.VAZE	G.PAGANONI		LINE LIST N° 19-L-19-000-2-00-80602
							PIPE LAYOUT N° 19-L-19-000-2-00-86199 sheet 1

APPROVED FOR  
CONSTRUCTION



Signature for construction is shown  
on Iso list of relevant CWA

TITLE  
**ISOMETRIC DRAWING  
LINE**

28"-CWS-40G03-B-1 (P)

**BILL OF MATERIAL**

PT NO	COMPONENT DESCRIPTION	N.S. (IN)	ITEM CODE	QTY	HOLD STATUS
<b>PIPE</b>					
1	PIPE - A672-C60 BE EFW CL.22 T01AC24V44 S-STD <PIPA0C0B128STD> (L-9633)	28	I2210449	0.6 M	
<b>FITTINGS</b>					
2	REDUCING TEE ASME B16.9 A234-WPB BE WELD C32DC04V03 S-STD x <TRBA20WF328152615> (L-9917-W)	28X24	I620315	1	
3	REDUCING SOCKOLET MSS-SP-97 3000# A105N BE SWE - R13DNC44V101 NREQD <SOKA300LB02813> (L-343)	28X1.1/2	I3362511	1	
<b>FLANGES</b>					
4	WN FLANGE ASME B16.47-B 150# A105N RFFE BE 125 - 250 AARH F01MDC44BV05 S-STD <WNFA300R1628STD> (L-8517)	28	I7846328	1	
<b>PIPE SUPPORTS</b>					
5	SLIDING TEFLON PLATE- P69A-130mm	28	5047	1	
6	WELDED GUIDE-C4G1 H = 150 L = 300	28	5047	1	
<b>PIPE</b>					
7	PIPE - A106-B PE SMLS T01AC03Z02 S-XS <PIPA010A111/2XS> (L-6679)	1.1/2	I132809	0.2 M	
<b>FLANGES</b>					
8	SW FLANGE ASME B16.5 150# A105N RFFE SWE 125 - 250 AARH F02CDC44B105 S-XS <SWFA300R1511/2XS> (L-295)	1.1/2	I5378345	1	
<b>GASKETS</b>					
9	FLAT RING GASKET ASME B16.21 150# RFTBE NA/ARAMIDIC/NBR ASME B16.47-B G02HDP2QR05 <NMGQ009R1FC28> (L-NMG11)	28	I1676991	2	
10	FLAT RING GASKET ASME B16.21 150# RFTBE NA/ARAMIDIC/NBR ASME B16.5 G02HDP2QR01 <NMGQ009R1FC11/2> (L-NMG11)	1.1/2	I1655204	1	
<b>BOLTS</b>					
11	STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE I01OB0301 <SB2R51G3/453/4> - 2 NUTS PER BOLT - 145 mm Length	3/4	I53437472	80	
12	STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE I01OB0301 <SB2R51G1/223/4> - 2 NUTS PER BOLT - 70 mm Length	1/2	I53437201	4	
<b>VALVES / IN-LINE ITEMS</b>					
13	BUTTERFLY FLGD VALVE API 609 150# EPDM LIN A216-WCB RFTBCSE DISC-CF8M , SHAFT-316 FL API 609 GE ASME B16.47-B V31IDC35S112 NREQD <N/A> (N/A)	28	I65019122	1	
<b>INSTRUMENTS</b>					
14	INSTRUMENT COMPONENT	1.1/2	I9-TE-4012	1	

PIPE MATERIAL		<b>NOTES:</b> 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 DRAWING NUMBER:  4274-XH-DL-2121CWS40G03-1	PROJECT:  4001008	
I					
PIPING CLASS  B-1					
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>			
E					
PED CATEGORY  III					
INSULATION CODE / THK. (mm)  P                      100		ANNEX 19	SPEC. L	DRAWING NUMBER 19-000-2-02-00001 sheet 2121CWS40G03-1	REV. <b>01</b>