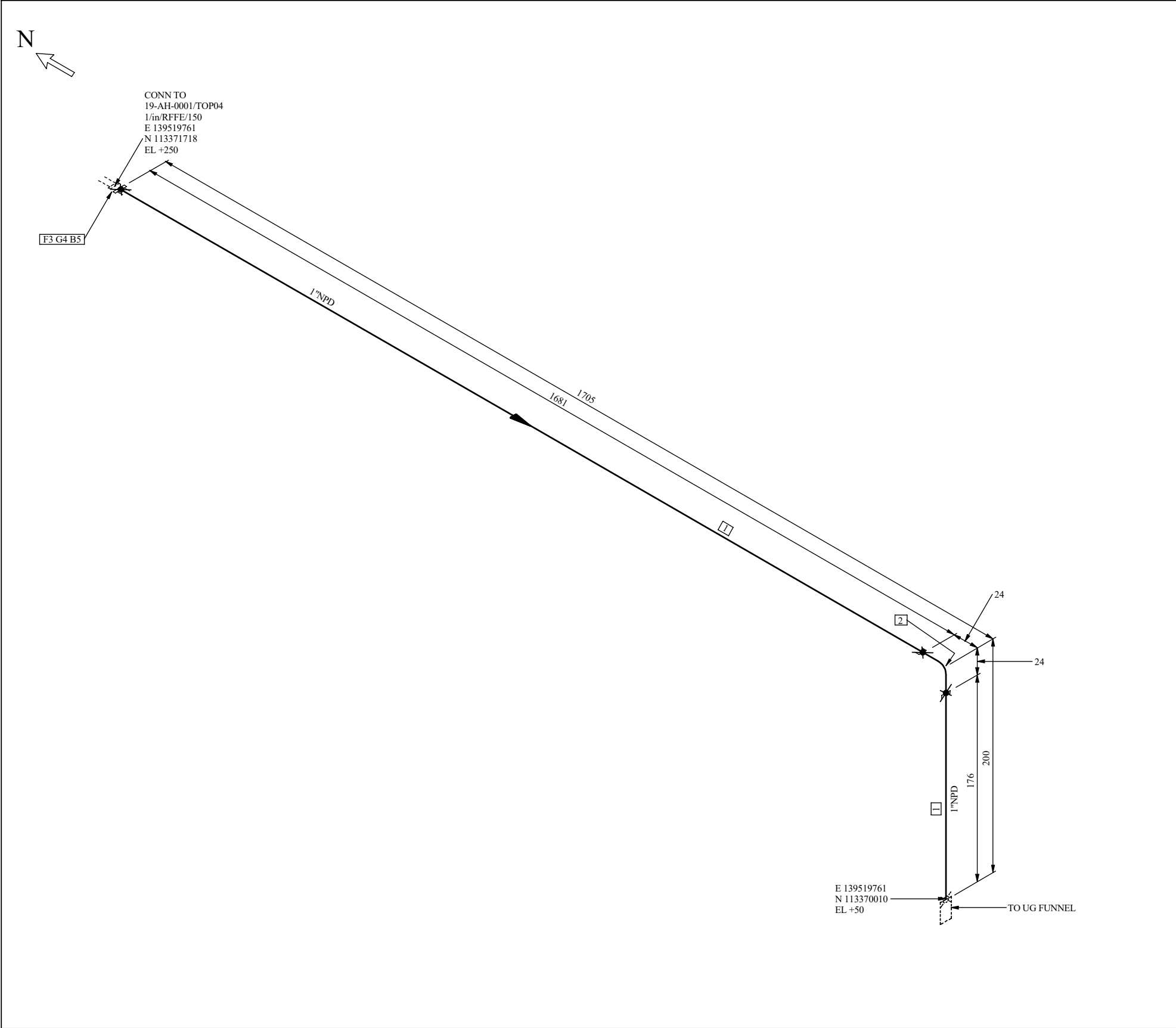






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EXTR. DATE: 08-02-2024 22:05:27

STREAM NO.:4145    STREAM REV. NO. : 10    REV. CAUSE ID: 23



BILL OF MATERIAL				
PT NO	COMPONENT DESCRIPTION	N.S. (IN)	ITEM CODE	HOLD STATUS
PIPE				
1	PIPE - A106-B PE SMLS T01AC03Z02 S-XS <PIPA010A11XS> (L-6679)	1	I132793	1.9 M
FITTINGS				
2	90 ELBOW ASME B16.11 3000# A105N SWE SWE - R31FNC441103 NREQD <90FA300LBK1> (L-178)	1	I1651296	1
FLANGES				
3	SW FLANGE ASME B16.5 150# A105N RFFE SWE 125 - 250 AARH F02CDC44B105 S-XS <SWFA300R151XS> (L-295)	1	I5378343	1
GASKETS				
4	FLAT RING GASKET ASME B16.21 150# RFTBE NA/ARAMIDIC/NBR ASME B16.5 G02HDP2QR01 <NMGQ009R1FC1> (L-NMG11)	1	I1655203	1
BOLTS				
5	STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE I01OB0301 <SB2R51G1/221/2> - 2 NUTS PER BOLT - 65 mm Length	1/2	I53437190	4

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° -
01	ISSUED FOR REFERENCE	09-FEB-24	M.YADAV	P.VAZE	G.PAGANONI		P & ID 19-A-19-000-1-01-00001 sheet 32
00	ISSUED FOR REFERENCE	14-JUL-23	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-19-000-2-00-86196 sheet 1

ISSUED FOR REFERENCE		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											
Signature for construction is shown on Iso list of relevant CWA		PAINTING SCHEME (3)				CONTRACTOR:		CONTRACTOR DRAWING NUMBER:		PROJECT:			
		1				4274-XH-DL-2121WW40C02-1		4001008					
TITLE  ISOMETRIC DRAWING LINE  1"-WW-40C02-B4S2		PIPING CLASS											
		B4S2											
		WELDING CLASS (4)		 LOW LINEAL DENSITY POLYETHYLENE (PEL) AND POLYPROPYLENE (PP) PLANTS FOR PROJECT - ALBA PROJECT						CLIENT / COMPLEX REPSOL POLYMEROS/ SINES INDUSTRIAL COMPLEX			
		E											
		PED CATEGORY											
		Art 4.3											
		INSULATION CODE / THK. (mm)		ANNEX		SPEC.		DRAWING NUMBER				REV.	
		N 0		19		L		19-000-2-02-00001 sheet 2121WW40C02-1				01	