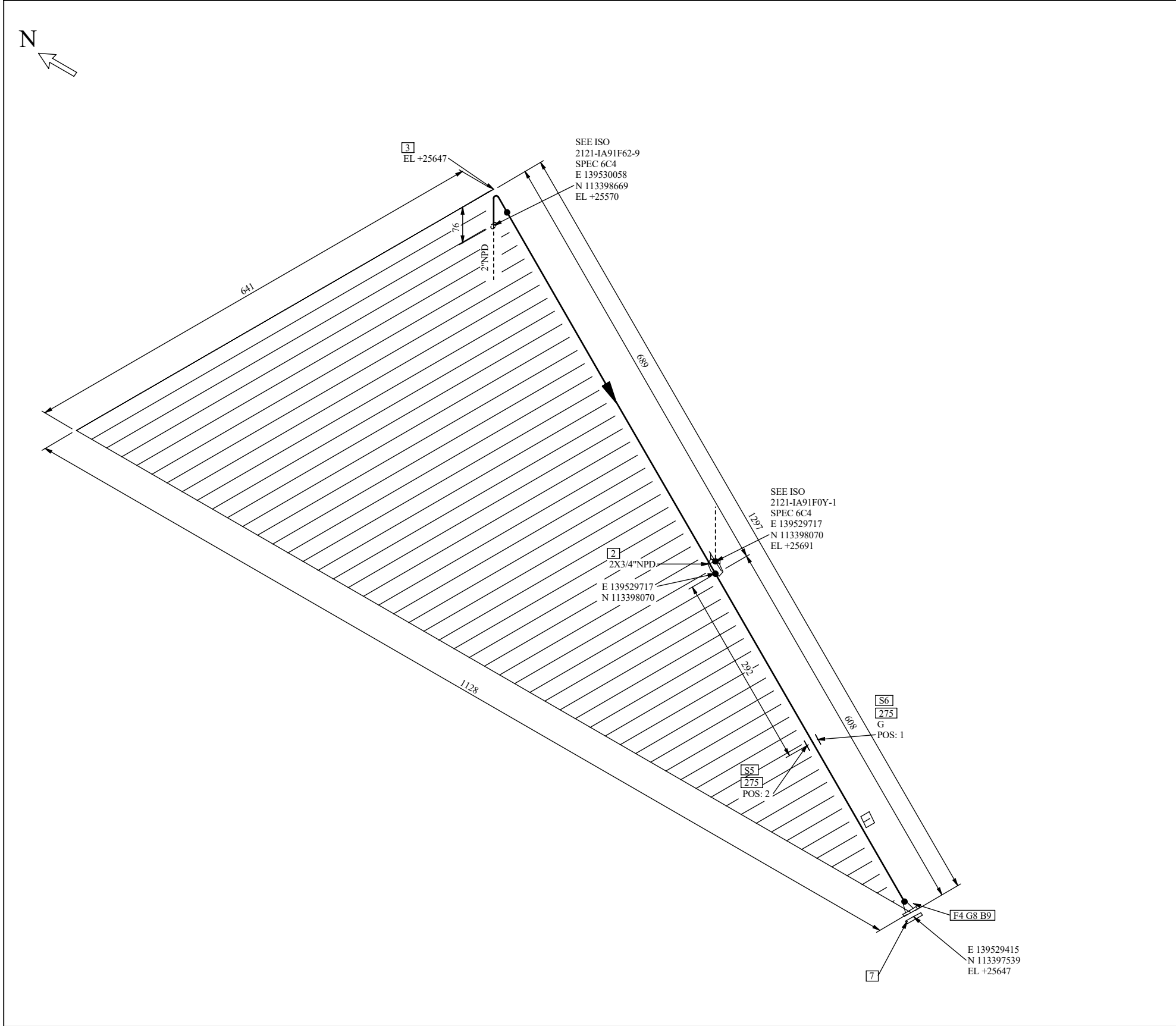


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EXTR. DATE: 21-10-2023 08:36:41

STREAM NO.:3250    STREAM REV. NO. : 10    REV. CAUSE ID:



BILL OF MATERIAL					
PT NO	COMPONENT DESCRIPTION	N.S. (IN)	ITEM CODE	QTY	HOLD STATUS
PIPE					
1	PIPE - A312-TP304/304L DUAL GR BE SMLS T01AL2CV02 S-10S <PIPB04DB2210S> (L-PIP113)	2	13364302	1.2 M	
FITTINGS					
2	REDUCING SOCKOLET MSS-SP-97 3000# A182-F304/304L DUAL GR BE SWE - R13DNL2AV101 NREQD <SOKB450LB01411> (L-SOK04)	2X3/4	12258338	1	
3	90 LR ELBOW ASME B16.9 A403-WP304/304L DG BE SMLS C01DL2FV01 S-10S <90LB23DF3210S> (L-8052)	2	12259133	1	
FLANGES					
4	WN FLANGE ASME B16.5 150# A182-F304/304L DUAL GR RF BE 125 - 250 AARH F01CDL2ABV05 S-10S <WNFB450R15210S> (L-WNF55)	2	12260686	1	
PIPE SUPPORTS					
5	WELDED BRACKET TO STRUCT. SB01 L80X80X10	2	275	1	
6	SUPPORT HOR.NOT INS.PIP.N4G1	2	275	1	
FLANGES					
7	BLIND FLANGE ASME B16.5 150# A182-F304/304L DUAL GR RF NREQD 125 - 250 AARH F10CDL2AB005 <BLFB450R152> (L-BLF33)	2	12260404	1	
GASKETS					
8	SPIRAL WOUND GASKET ASME B16.20 150# RFTBE 304/GRAFOIL SS 304 SS 304 ASME B16.5 G03GDP11S04 <N/A> (N/A)	2	11654490	1	
BOLTS					
9	STUD BOLTS&NUTS ASME B18.31/2 B18.2.2 A193-B8M CL2/A194-8MA INCH SIZE 101OB1601 <SB2R58G5/831/2> - 2 NUTS PER BOLT - 85 mm Length	5/8	153458376	4	

<b>REMARKS FOR MECHANICAL SUBCONTRACTOR:</b> 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.						
<b>SUPPORTS LEGEND:</b> □ 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 106
00	ISSUED FOR CONSTRUCTION	20-OCT-23	M.YADAV	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 7

APPROVED FOR CONSTRUCTION	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".									
	304, dual grade											
	HEAT TREATMENT (PWHIT)											
	N											
Signature for construction is shown on Iso list of relevant CWA	PAINTING SCHEME (3)		CONTRACTOR:		CONTRACTOR DRAWING NUMBER:		PROJECT:					
	NR											
	PIPING CLASS				4274-XH-DL-2121IA91F62-2		4001008					
	6C4											
TITLE	WELDING CLASS (4)		LOW LINEAL DENSITY POLYETHYLENE (PEL) AND POLYPROPYLENE (PP) PLANTS FOR PROJECT - ALBA PROJECT						CLIENT / COMPLEX REPSOL POLYMEROS/ SINES INDUSTRIAL COMPLEX			
	M											
	PED CATEGORY				ANNEX 19 SPEC. L DRAWING NUMBER 19-000-2-02-00001 sheet 2121IA91F62-2						REV. 00	
	Art 4.3											
2"-IA-91F62-6C4		INSULATION CODE / THK. (mm)										
		N 0										