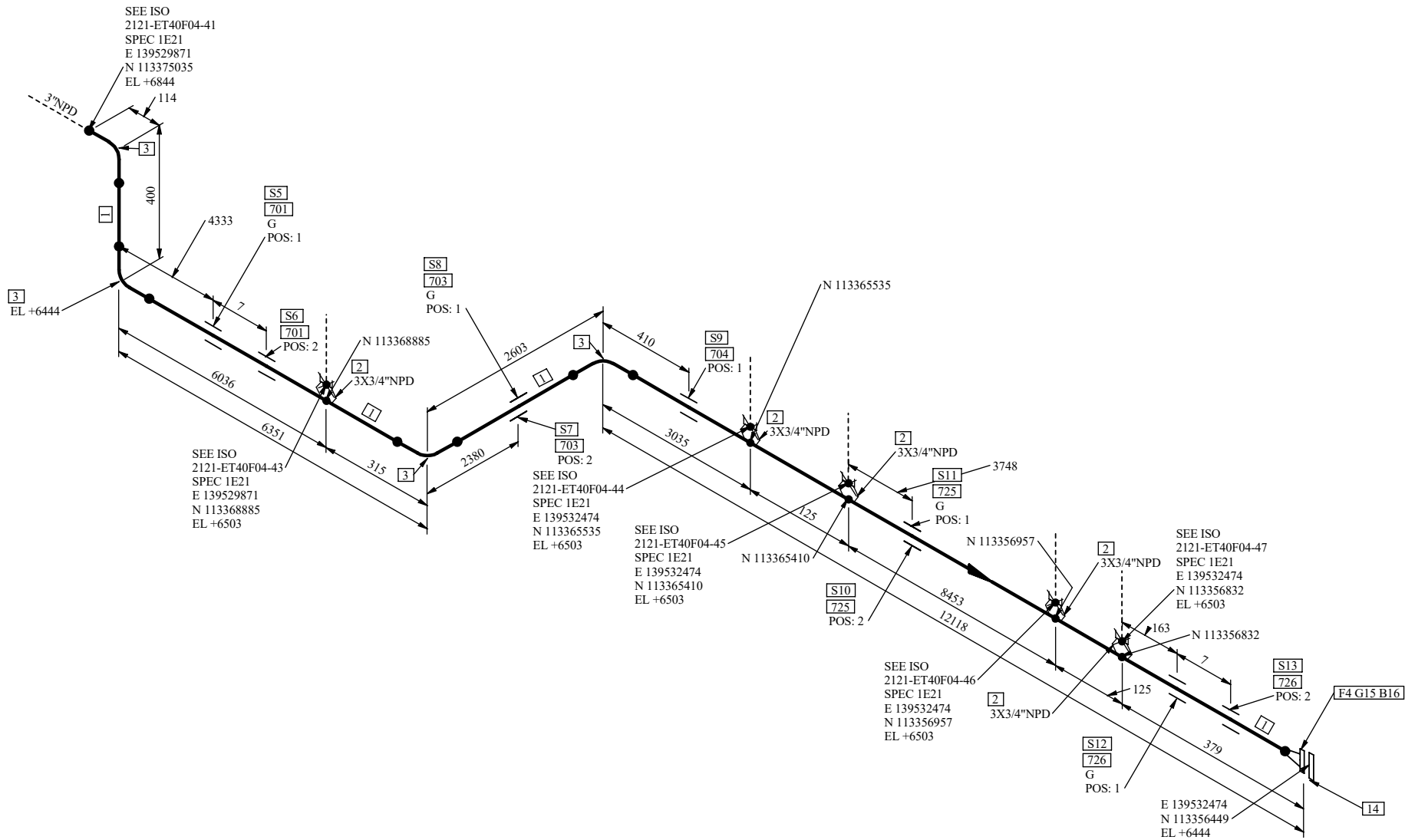
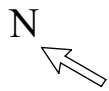



2712710-07-E07217-00271*

STREAM NO.: 4005 STREAM REV. NO.: 10 REV. CAUSE ID:

REV. CAUSE ID:



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 <PIPA010B13STD> (L-7806)	3	1117921	20.6 M	
FITTINGS					
2	REDUCING SOCKOLET MSS-SP-97 3000# A105N BE SWE - R13DNC44V101 NREQD <SOKA300LB01511> (L-343)	3X3/4	11651368	5	
3	90 LR ELBOW ASME B16.9 A234-WPB BE SMLS C01DC04V01 S-STD <90LA200F33STD> (L-7955)	3	1128599	4	
FLANGES					
4	WN FLANGE ASME B16.5 300# A105N RFFE BE 125 - 250 AARH F01CFC44BV05 S-STD <WNFA300R353STD> (L-236)	3	14217853	1	
PIPE SUPPORTS					
5	STANDARD GUIDE FOR NOT INS. PIPING-N1G1	3	701	1	
6	STAKES SUPPORTS ST02 HEA140	3	701	1	
7	WELDED BRACKET TO STRUCT. SB02 L100X100X10	3	703	1	
8	STANDARD GUIDE FOR NOT INS. PIPING-N1G1	3	703	1	
9	WELDED BRACKET TO STRUCT. SB01 L100X100X10	3	704	1	
10	WELDED BRACKET TO STRUCT. SB01 L100X100X10	3	725	1	
11	STANDARD GUIDE FOR NOT INS. PIPING-N1G1	3	725	1	
12	STANDARD GUIDE FOR NOT INS. PIPING-N1G1	3	726	1	
13	STAKES SUPPORTS ST02 HEA140	3	726	1	
FLANGES					
14	BLIND FLANGE ASME B16.5 300# A105N RFFE NREQD 125 - 250 AARH F10CFC44B005 <BLFA300R353> (L-143)	3	11652388	1	
GASKETS					
15	SPIRAL WOUND GASKET ASME B16.20 300# RFTBE 304/GRAFOIL CARBON STEEL SS 304 ASME B16.5 G03GFP1IIS12 <N/A> (N/A)	3	163508968	1	
BOLTS					
16	STUD BOLTS&NUTS ASME B18.31.2/ B18.2.2 A193-B7/A194-2H INCH SIZE I01OB0301 <SB2R51G3/441/4> - 2 NUTS PER BOLT - 110 mm Length	3/4	153437465	8	
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".					
PIPE MATERIAL CS			CONTRACTOR DRAWING NUMBER: 4274-XH-DL-2121ET40F04-42	PROJECT: 4001008	LOW LINEAL DENSITY POLYETHYLENE (PEL) AND POLYPROPYLENE (PP) PLANTS FOR PROJECT - ALBA PROJECT
HEAT TREATMENT (PWHT) N					
PAINTING SCHEME (3) 1					
PIPING CLASS 1E21					
WELDING CLASS (4) E		CLIENT / COMPLEX REPSOL POLYMEROS/ SINES INDUSTRIAL COMPLEX			
PED CATEGORY II					
INSULATION CODE / THK. (mm) N 0		ANNEX 19	SPEC. L	DRAWING NUMBER 19-000-2-02-00001 sheet 2121ET40F04-42	
				REV. 00	

FILENAME: 19-000-2-02-00001 sheet 2121ET40F04-42.dwg